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KANSAS FARMER

CONTINUING MAIL & BREEZE

MAY 17, 1947



She Will Solo Soon . . . See Pages 2 and 4



FACTORY REBUILT MOTORS

**EXCHANGE OR OUTRIGHT
READY for IMMEDIATE DELIVERY**

FORD—CHEVROLET—PLYMOUTH—DODGE . . . Lowest prices in the Midwest. All motors are precision re-manufactured by factory method, using highest quality parts and modern equipment.

90 Day Guarantee

Rebuilt motor assemblies are guaranteed for 90 days or 4,000 miles, whichever occurs first from date of installation. Truck units are guaranteed for 30 days or 3,000 miles. Our liability is limited to the replacement of parts which in our opinion is defective—no allowance for labor. Defective motors must be returned for examination, transportation charges prepaid. Assemblies used for any purpose other than that for which they were designed are not guaranteed.

CHEVROLET

	Exch. Price
1929-36	\$ 86.22
1937-46	89.72
1941-46 H. T.	98.97

PLYMOUTH

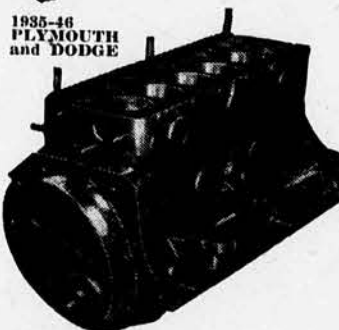
1933-34	100.97
1935-40	103.97
1941-46	107.97

DODGE

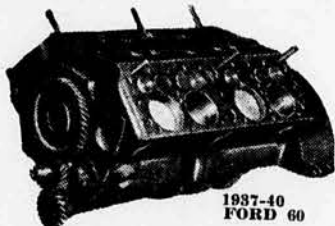
1933-34	103.97
1935-42	107.97
1935-42 3 1/2	113.97



1929-46
CHEVROLET



1935-46
PLYMOUTH
and DODGE



1937-40
FORD 60

FORD

	Exch. Price
1928-31 Ford A	\$ 78.45
1932-34 Ford B	78.45
1937-40 Ford 60 H. P.	95.99
1932-41 Ford 85 H. P.	93.06
1939-41 Ford 95 H. P.	103.81

EXCHANGE DEPOSIT The following exchange deposits will be required on motors purchased on an outright basis:

FORD MOTORS		CHEVROLET	
1928-34 A & B	\$60.00	1929-33	\$40.00
1932-41 85 H. P.	75.00	1934-46	75.00
1941-46 95 H. P.	95.00	DODGE & PLYMOUTH	
1937-40 60 H. P.	75.00	1933-34	50.00
		1935-36	75.00

Exchange motors must be returned PREPAID. Refund of exchange deposit will be made AFTER motor passes our inspection. EXCHANGES MUST BE REBUILDABLE FOR FULL CREDIT.

REBUILT TRANSMISSIONS EXCHANGE OR OUTRIGHT



30 Day Guarantee

Any unit found to be defective will be replaced without charge. Labor charges incidental to replacement of defective units will not be assumed.

Chevrolet

	Ex.Pr.	Ex.Dep.
1933-36 M & 1/2 ton	\$35.00	\$15.00
1933-36 Standard	45.00	25.00
1937-46 Pass. & 1/2 ton	50.00	25.00

Buick

1934-38 40	\$65.00	\$25.00
1939-46 40	75.00	35.00
1936-46 60-90	85.00	35.00

Plymouth—Dodge—Chrysler—De Soto

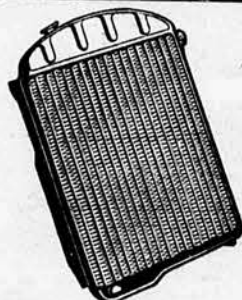
	Ex.Pr.	Ex.Dep.
1933-34	\$40.00	\$15.00
1935-39	47.50	20.00
1940-46 Except O. D.	60.00	20.00

Ford

	Ex.Pr.	Ex.Dep.
1928-31 A	\$27.50	\$10.00
1937-39 Pass. & 1/2 ton	40.00	20.00
1937-40 60 H. P.	40.00	15.00
1940-46	45.00	20.00
60 H. P. Change over unit	45.00	15.00

Oldsmobile and Pontiac

1935-38	\$65.00	\$25.00
1939-46	75.00	35.00



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**New—Reconditioned—Recored
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\$17.50

Exch.
and Up

1935-46 Buick	1937-46 Hudson
1929-46 Chevrolet	1935-46 Oldsmobile
1930-46 Chevrolet Truck	1937-46 Packard
1935-46 Dodge	1935-46 Plymouth
1928-46 Ford	1935-46 Pontiac
1928-46 Ford Truck	1939-42 Studebaker
	1934-38 Terraplane
	1935-42 Willys

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NATIONAL AUTO PARTS COMPANY

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Dept. K-5

Omaha 8, Nebraska

Beef Winners Are Named

THE 1946 Beef Cattle Production Contest brought a record number of entries, it was stated May 3, when winners were announced on the annual Feeders' Day program, at Kansas State College.

Separate sections were set up for Herefords and Angus in the feeder-calf and creep-fed-calf divisions.

Winner of first place in the Hereford section of the feeder-calf division was C. C. Piester, Kiowa county. Second place went to H. P. Parkin, Kiowa county, and third to Gregg Brothers, Comanche county. Other winners in the section were Briggs and Bailey, Kiowa; Ralph Deewall, Comanche; Fred Dirks, Rush; Weldon Douglas, Kiowa, and Wayne Walker, Mitchell. J. R. Weir and W. Pruitt, Mitchell county, took first place in the Angus section, with Joe Pruitt, Mitchell, second.

In the creep-fed-calf division (Hereford section) first place went to J. E. Dreir & Son, Harvey county, and second to George and Neil McCallum, Chase county.

G. W. Caldwell, Smith county, was first in the Angus section, with Paul Nelson, McPherson county, second.

Albert S. Claassen, Butler county, won first in the deferred-fed-yearling division (all breeds competing). Dan Casement, Riley county, won second. Other winners were Mervin Johnson, Republic county; Claassen Brothers, Butler; O. E. Danielson, McPherson, and Emmett Oltjen, Brown.

It was the 18th year of the contest, which is conducted thru co-operation of Kansas State College, the county farm bureaus, the state Hereford, Angus and Shorthorn breeders' associations and the Kansas City, Mo., Chamber of Commerce. Awards were made by Walter Atzenweiler, agricultural commissioner of the Kansas City group.

Eat Surplus Spuds

About 830,000 pounds of surplus potatoes have been delivered to Kansas schools for the school lunch program. Another half million pounds have been made available and are scheduled for distribution to the 558 schools having the program.

The Cover Picture

Our cover girl this issue is Frances Hurley Srna, of Glasco. She is a farm girl and became acquainted with a lot of Flying Farmers while on the air tour of the state last fall. In fact, President Alfred Ward introduced her to the crowds at every stop along the way. She no longer is satisfied with being a passenger. Her association with Flying Farmers helped get her started taking flying lessons. A few more hours of instruction and she will be flying a plane herself.

Senator Capper on Radio

Every Sunday afternoon at 3:45 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze
Topeka, Kansas

Vol. 84, No. 10

ARTHUR CAPPER	Publisher
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EASY TO HITCH Saves time when changing loads. Hitches to front truck bumper or to tractor, alongside wagon.

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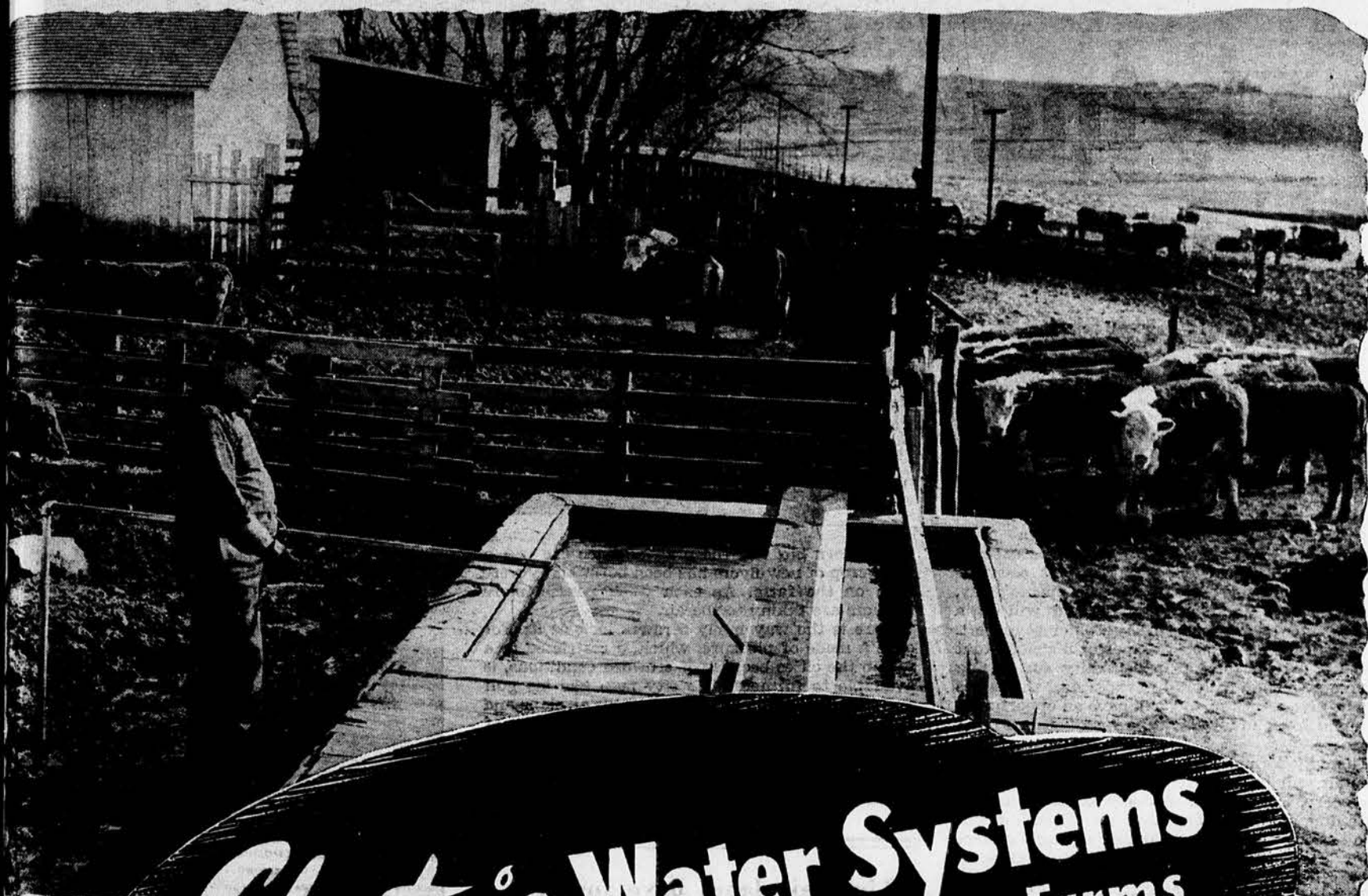
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just as dropped—guide straightens them.



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The ALL-ELECTRIC farm home combines the other convenient and economical electric services with the water supply. There's time-clock cooking with an electric range, dependable refrigeration to preserve food, even electrically-fired oil house heating to guarantee solid comfort in the coldest weather!

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A TIMELY MESSAGE FROM THE

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Service
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Flying Farmers

**... Meet at
Hutchinson, May 20, 21**

By ED RUPP

KANSAS Flying Farmers will return to Hutchinson next week for their second annual convention. The event this year has been expanded to a 2-day meeting. On the opening day, Tuesday, May 20, members of the club will begin to assemble at the Hutchinson Municipal airport. There will be an informal dinner at 8 o'clock that evening with plenty of opportunity for Flying Farmers to chat with old friends. And the ladies will be present. They, too, will have an opportunity to make acquaintances with wives of other Flying Farmers.

The only formal part of the program that first evening will be an after-dinner talk by Willard Mayberry, Elkhart. He is widely known as an entertaining speaker. Many have heard him and will enjoy him again. After the dinner Flying Farmers will be guests of the Hutchinson Aviation Association.

Early the following morning, Wednesday, May 21, hundreds of light airplanes again will fill the sky over Hutchinson, forming an orderly landing procession to the airport. Between 300 and 400 planes were grouped around the taxiways last year. A lot of new planes have been purchased in the last year and new flyers have taken wings. There may be more planes this year.

Registration of Flying Farmer club members will begin at 8 o'clock in the morning the second day at the airport and will continue until 10 o'clock. During registration Flying Farmers will be asked to indicate on a map the location of their private flight strips. When all these are assembled they will provide the basis for an air map of Flying Farmer airports in the state.

A short program will begin at 10:30 o'clock with Max Wyman, Hutchinson, as the principal speaker. The remainder of the morning will be devoted to the annual business meeting and election of officers for the coming year.

After time out for lunch, the exciting part of the day's activities will begin. President Alfred Ward, Johnson, has announced that both the Army and Navy will be on hand this year to give spectators a real thrill with a joint air show. This feature alone will attract thousands to the airport May 21.

All thru the day club members and visitors will be able to view the latest in personal plane models and various accessories and equipment manufactured expressly for light plane owners. George Galloway, Wakeeney, made arrangements for the exhibits at this year's show. He reports manufacturers and distributors are very enthusiastic about appearing at the Kansas Flying Farmer convention.

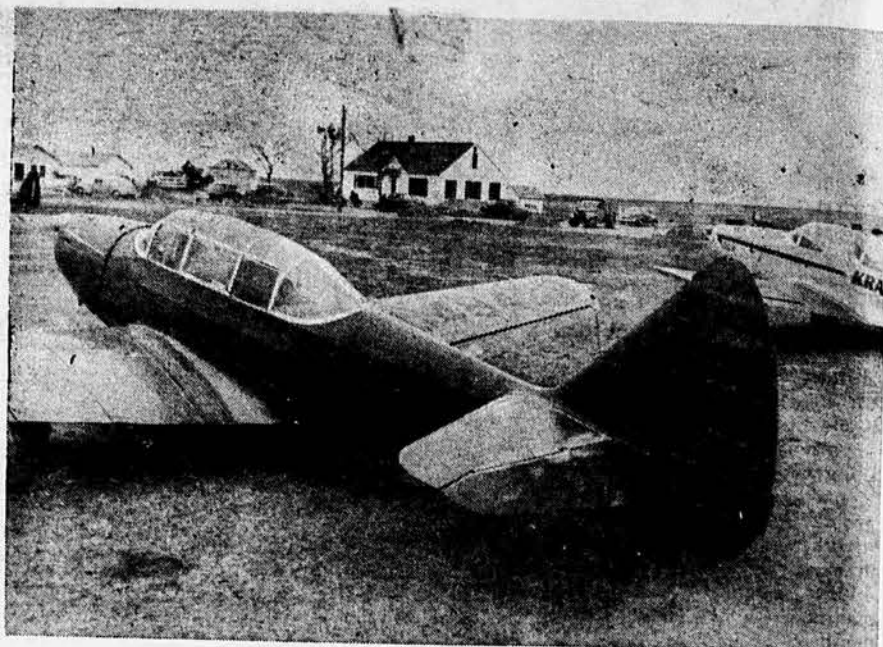
Yes, light airplanes have found a home. They blend into the Kansas farm scene. Airplanes are

the modern birds of the prairie. Since the war a huge crop of new flyers has been born. Many were born on the farm. As each week passes, more farmers are taking to the air.

Here is the way many farmers look at it: For once a mode of pleasure, which is restricted to a few in the cities because of crowded conditions, is available to farmers. The city man has his golf and country clubs. The farmer has his airplane and unrestricted areas for its use. Sure, it is a lot of fun. But farmers are making good use of their planes, too. Small wonder that light plane manufacturers are looking to farmers to buy a majority of their planes.

[Continued on Page 26]

Light airplanes have found a home. They blend into the Kansas farm picture to save time, offer recreation. Latest in personal plane models and accessories will be seen at this second annual Flying Farmers meet at Hutchinson.



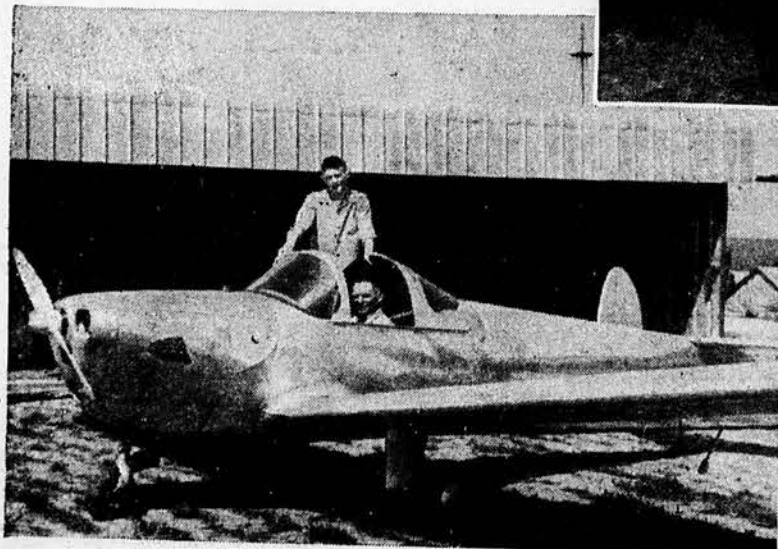
A view of the Bernard Scherr farm, Trego county, showing planes in the foreground and the Scherr home in the background. A new hangar was being constructed just to the left of this scene at the time the picture was taken.



Mrs. Leta Betz and son, Jimmy Betz, Asherville, are flying partners. They like flight breakfasts, too. They plan a breakfast for Flying Farmers of North-Central Kansas soon. It will be fixed at this outdoor fireplace. Planes will land in alfalfa field just beyond the trees in background.



Bernard Scherr, Trego county, stands in front of one of the planes stationed on his farm airport. This airport, now leased for G. I. training, has grown tremendously in the last year and services many farmers in the community.



Typical Flying Farmers are Leroy Moss and son, David Moss, Beloit. They bought their plane last fall and built a new, all-steel hangar. Mr. Moss learned to fly in World War I, started again last year. David has sufficient hours for a license but will not be eligible until July, when he will be 17.



Mrs. Milton Baer, Ness City, steps long enough for a picture before taking to the air for flight instruction. She and her husband both are learning to fly and plan to have their own plane and farm airport.



Farm Matters

AS I SEE THEM

THIS still is a good time for farmers to reduce their mortgage indebtedness.

I say this in spite of the fact that food shortages all over most of the rest of the world promise heavy export demands for foodstuffs for this year and probably the next. That is going to mean higher prices for American produced foodstuffs for a longer period than was anticipated when the Congress promised price supports at 90 per cent of parity for two calendar years after formal proclamation of the cessation of hostilities.

But I think that farmers would do well to bear in mind that this foreign demand creates what might be termed an artificial market, and that means artificially high prices. Such a condition means higher prices and higher farm incomes for the next year or two than can reasonably be expected to continue.

Such a condition is bound to create a feeling that farm land values can be based on this temporary export demand at artificially high prices. And with dollars so plentiful the temptation for farmers is going to be increasingly stronger to increase their land holdings by borrowing money to get the additional acreages. And that will mean increasingly higher prices for farm land.

It takes only half as many bushels of wheat to pay off on a mortgage when wheat is selling around \$2.50 a bushel as it will take when wheat is selling for \$1.25 a bushel. And from what I hear, some wheat land is changing hands these days at prices based on \$2.50 wheat. Better pay off the mortgage with \$2.50 wheat than with \$1.25 wheat.

From conversations I have been having with farmers, farm leaders, and member of Congress, the next session of Congress is going to continue the farm support-price program, and apply it to nearly all farm commodities except perishables. But one cannot count on the Government supporting farm prices at or near prices now prevailing for most farm commodities.

Nearly everyone these days is expecting a general recession in price levels of all goods in the not far distant future. This applies to durable goods as well as to consumer goods.

It is my belief that the new, and presumably permanent price supports will be based on some percentage of parity prices for each commodity.

What that means is that if the general price level falls, the support price levels also will fall.

Another thing to bear in mind in planning for the future is that the 260 billion national debt is a good deal of a mortgage on all the property in the United States. Farmers a decade from now are very likely to find it difficult enough to keep up payments (taxes) to meet the interest on the Federal debt, and mortgages on their own land will be an additional burden that will not rest lightly on their shoulders. During inflationary periods is the time the wise man pays off his debts, instead of contracting new ones.

It is pretty plain here in Washington that this Congress is going to enact legislation to reduce Federal taxes. And I am not as certain as some seem to be that President Truman will veto a tax-reduction bill. For myself, I feel just as strongly that the Federal Government should be reducing its debt now while incomes are high and times relatively good, as it is for farmers to follow that policy.

If it were not for the serious implications that seem to me to be inherent in the so-called Truman doctrine of supporting so many nations in so many sections of the world, I would say that taxes can

be reduced, and that there can be considerable debt reduction at the same time.

But the Greek-Turk Assistance Bill, plus the strong possibility, perhaps one should say strong probability that other nations—Iran, Italy, France, Iraq, Korea, China, Germany, Austria, Britain and so on—are going to demand similar assistance for equally cogent reasons, cause me to doubt if it will be possible to reduce both debt and taxes as much as I would wish. Nor even as much as I had felt last fall we should be able to accomplish along these lines this year and next. So again I say—cut down your indebtedness while you can pay off with high-priced commodities you have to sell, because the days of surpluses and lower prices are bound to return.

A Great Dairy State

I AM very proud of our dairy industry in Kansas. It comes as near to guaranteeing a permanent agriculture as anything could. With June named Dairy Month again, I think it is fitting that we take time to size up this extremely important and very successful section of our farming business.

Recently a speaker at a dairy meeting in Kansas, as reported in Kansas Farmer, stated that when you sell milk you take away from the farm the smallest amount of fertility. I believe that. Dairy cows not only produce a most healthful and essential food, but in the process they provide a profitable market for farm feed crops, and help build up the fertility of the soil at the same time for continued profitable production. That is a sound business proposition.

Now, the future of dairying, as I see it, holds great promise. Not only is it maintaining its sound foundation of fertile soil, but apparently demand for dairy products has a chance of growing in the years ahead. I take the word of such men as J. B. Fitch for this. You remember him as former head of our dairy department at Kansas State College. At the same meeting I mentioned before, he stated that "we will need 55 per cent more milk by 1950 than that used in 1940." I hope that is true. It will mean a considerable increase over our wartime high of 3,332,000,000 pounds of milk. Kansas production in 1940 was 2,860,000,000 pounds. Our dairymen will be able to produce that amount, no question about it. They have "harnessed the soil with a lasting type of agriculture." They will be on the job permanently. More than that, they will provide a better-quality product. There are many reasons for this.

In the first place they are developing better animals. Look at the quality of our dairy cows today, compared to some years ago. You know that average production has been increased. You also know that better rations are fed and that the quality of milk is maintained, while in the hands of our dairymen, with the most modern equipment and methods.

J. C. Mohler, secretary of our State Board of Agriculture, and H. E. Dodge, state dairy commissioner, have their fingers right on the pulse of dairying in Kansas. Their up-to-date facts show that dairying ranks next to wheat and beef as a source of farm income. They find that its steady growth has been accompanied by a better understanding of its importance in connection with the

health as well as the wealth of the people of our state.

The board finds that during the 10-year period ending in 1945, Kansas cows produced an average of 3,113,000,000 pounds of milk a year. This milk has an aggregate value of more than a half billion dollars, or an average value of \$53,287,100 a year. In the same years the annual average value of the 775,300 milk cows of the state was only \$43,045,800, or \$10,241,300 less than the annual product of these animals. The value of manufactured dairy products in Kansas annually exceeds 40 million dollars.

Here is another part of the picture: "In recent years the production of Kansas milk cows has brought in more income than was received from the harvested bounty of nearly 8 million acres devoted to all crops, except corn and wheat. Receipts from milk topped all Kansas livestock enterprises except beef cattle, except in a few years, hogs and poultry."

I am of the opinion cows on more farms would be a good thing for our state from the angles of soil building, diversified production and a daily income. But it is interesting to note where the milk is produced at present. The Board of Agriculture shows it concentrated in 31 counties. These are in 4 areas which together accounted for 48 per cent of the milk output in the last 10 years. Largest production area is the group of 11 south-central counties including: Reno, Sedgwick and Sumner counties, which lead in the state and have annual records of more than 60 million pounds each; and McPherson, Marion and Cowley, each producing 50 to 60 million pounds. Butler, Dickinson, Harper, Kingman and Harvey also are in this area.

Counties in another area producing 40 to 50 million pounds of milk a year include Johnson, Franklin, Leavenworth, Jefferson, Lyon, Douglas, Osage and Shawnee. Southeast Kansas is definitely in the picture, with Labette and Bourbon counties each producing 60 million pounds; Montgomery, Neosho, Cherokee, Allen and Crawford are in the 40-to-50-million-pound class. Then 50 to 60 million pounds annually come from Marshall, Washington, Nemaha and Brown, while Jewell averages more than 40 million pounds. Now, these figures do not minimize in any way the importance of dairying in every county, and on every farm. But it is an interesting picture.

Since our dairymen always have the matter of improvement in mind, we might note how we compare with other states. In value, that is, I feel that we are second to none in quality. Briefly, we stand 12th in number of milk cows, and a dozen states beat us in total production. With our natural advantages it is possible, if desirable, to improve that standing. We are 9th in butter production, by the way. And since this is the wheat state, it is interesting to note Mr. Dodge says our annual production of 70 million pounds of creamery butter is enough to spread generously over 300 million loaves of bread. Kansas has been an important butter state for 70 years. And our state can well continue in that field.

From this very short review of our dairy industry, it is easy to understand our pride in it. My hearty congratulations to our dairymen for a great job well done.

Arthur Capper

Washington, D. C.

What Farm Organizations Are Suggesting

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—A general—perhaps too generalized—summary of long-range farm programs presented by 4 major farm organizations so far to the House Committee on Agriculture shows 3 groups:

Grange and Farmer Co-operatives remain set against subsidies; as little government in farming as possible; retain present basic farm legislation however, with revised parity formula.

Farm Bureau wants a good deal more Government in the farming business than do Grange and Co-operatives; revised parity formula; more

emphasis on support prices; Government production and marketing of fertilizer; a sort of partnership of Government and Agriculture.

Farmers Union insists on the family-size farm, nearly full Government management, two national committees, one representing farmers and the other consumers, to bargain collectively with each other as to terms of production and marketing and prices.

Later on the National Co-operative Milk Producers' Federation will present a revised version of the old McNary-Haugen plan, to cover practically all farm commodities, instead of just the basic commodities. Idea is to dispose of surpluses abroad at world price levels; hold domestic prices up behind tariff wall; allocate to farmers the losses taken on the surpluses sold on world market.

Grange and Farmer Co-operatives broke sharply with Farm Bureau and Farmers Union over reciprocal trade agreements.

Farmer Co-operatives (The Milk Producers Co-operatives will take similar position) are opposed to the reciprocal trade agreements administered by State Department; want Congressional control of agreements.

Farm Bureau and Farmers Union are strong for reciprocal trade agreements, holding huge world trade only chance for abundant production.

(Continued on Page 33)

"We agree..."

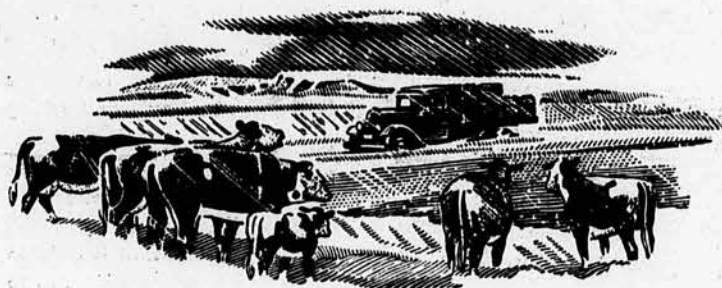
**FORD
TRUCKS
LAST
LONGER!"**

says Mr. Brice Woody

Manager of the Gillespie Ranch
Tishomingo, Oklahoma



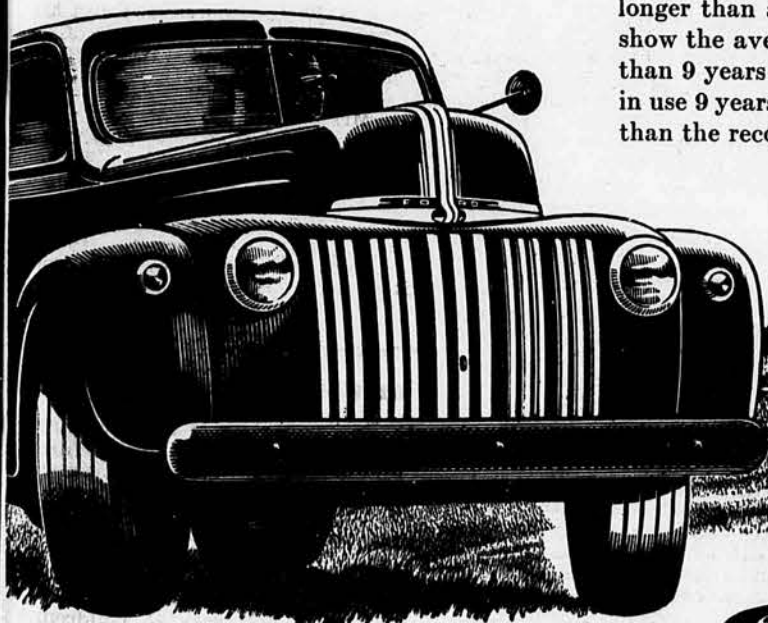
"Cattle ranching is tough going for a truck—but our 1934 Ford is still doing its job in fine shape. This truck covers a beat of 10,000 acres, so you can be sure it's kept mighty busy hauling ensilage to 1,500 cattle over really rough terrain, largely off-the-road travel. It's also used to haul supplies from town.



"Through summer heat and winter blizzards we keep this truck on the go. It gets the feed to our animals the year 'round, no matter how bad the weather may be or where the stock may be grazing. We haven't had a bit of trouble with it. It's always ready to go. We're mighty glad that, with conditions the way they are, Ford Trucks Last Longer."

REGISTRATIONS SHOW IT, TOO!

Latest 1946 registration figures show that Ford Trucks last longer than any of the other four sales leaders. These figures show the average age of *all* Ford Trucks in use today is more than 9 years...and that 78.4% of all 1936 Model Ford Trucks in use 9 years ago are still on the job. That's up to 15.8% better than the records of the next 4 sales leaders!



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HI-V-I reduces gum, sludge and varnish formations in motors to a minimum. Helps clean-up rings, pistons, valves, oil lines and filters.

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PUMPS**

Launch Prairie Dog Fight

New Poison Will Be Tried in Graham County

A FULL-SCALE campaign to rid a "test" township of prairie dogs will be launched sometime this summer by Graham county, according to R. W. McBurney, county extension agent.

The campaign will be carried out thru an agreement between Indiana township and the U. S. Fish and Wild Life Service. A new poison, 1080 formula, will be used for eradication, and is so dangerous it can be used only under personal supervision of the Fish and Wild Life Service.

Under the agreement the federal agency will provide supervision free but landowners will be asked to pay for poison, labor, and transportation costs for work on their land.

Cost of eradication is estimated at about 30 cents to 50 cents an acre for the first treatment, counting labor. One pound of the 1080 formula will treat 5 to 7 acres. This treatment is followed with a clean-up treatment of calcium cyanide flakes. Very few dogs remain for the clean-up following use of the 1080 poison with steam crushed oats, however, it is claimed.

The problem of prairie dogs is becoming increasingly serious in some central and western counties for several reasons. Township funds allowed by law for this purpose are not sufficient once the dogs get a good start. Eradication also is a community-wide problem, and will not work unless every farmer affected will join in with the effort.

Take Indiana township as an example. This township has about 1,200 acres of prairie dogs causing an annual loss of about \$6,000 in beef production. Even with a maximum levy for eradication, the township has only \$200 in the prairie dog budget. Eradication in the township probably will cost \$600 to \$1,000, according to township officers. Kansas does not have enabling legislation which would permit the county or state to co-operate with the U. S. Fish and Wild Life Service, so the eradication job is up to townships or groups of individuals.

County Agent McBurney said that a recent survey of the county disclosed that prairie dogs were spreading in pastures at the rate of 1,000 acres a year. In 2 townships alone this means a loss of 30,000 to 60,000 pounds of beef a year for each township.

If the all-out eradication program in Indiana township is successful, other townships in Graham county are expected to follow suit.

Over in Russell county an eradication program on a county-wide basis is being organized. Boy Scouts in the various towns of the county will join with rural 4-H Club members in doing the work of eradication.

It will not be possible to use the 1080 formula in the Russell county program, but county officials hope the enthusiasm of these young men will help in doing a thoro job of poisoning.

Let Pastures Rest

At CK Ranch, in Ellsworth county, they let pastures lie idle for 2 years if they have been overgrazed. Gene Sundgren, manager, says in that time they will reseed themselves and be ready for normal grazing again.

Pastures included in the ranch for a number of years have been watched

Deep Moisture

Subsoil moisture in the western two thirds of Kansas this year averages 3 inches greater in depth than last year, according to the Bureau of Agricultural Economics and the Kansas State Board of Agriculture.

Soil moisture conditions in the western third of the state are the most favorable on record. Central Kansas counties have favorable moisture conditions but not so good as either 1942 or 1945.

Tests over 3,000 miles of territory in the western two thirds revealed that depth to slightly damp soil this spring was 45.1 inches, compared with 38.9 inches last fall and 30.7 in April, 1946.

While there was little difference in depth of soil moisture on summer fallow compared to continuous cropping, the summer fallow showed a higher degree of saturation. Average height of wheat plants was 7.6 inches in summer-fallow fields compared with 5.6 inches in continuous cropped fields.

closely to prevent the possibility of overgrazing. But some land was added to the ranch a few years ago. The grass was quite thin, it had been pastured too heavily. This pasture has been idle 2 years, but is ready for normal grazing this spring. A show rest helps the grass.

Will It Be Your Bull?

If you want registration number 5,000,000 or 5,000,001 for your Hereford bull, all you need do is show the champion animal at the next American Royal or International Livestock show. The 5-million mark was met and passed April 12, 1947, but the 2 numbers are being reserved for the winners of the fall shows.

Hereford is the first beef breed to reach this figure. It took 81 years to reach the first million mark. But it required only 26 years more to reach the 5,000,000 total. The present volume of business now exceeds one third million each year.

Offer Top Shorthorns

The Keeneland Race Track, at Lexington, Ky., will be the mecca of Polled Shorthorn breeders June 6 and 7. The occasion will be the 1947 Polled Shorthorn Congress. Awards to show winners will be made the first day, and the animals will be sold the second. Included in the 25 bulls and 75 females to be offered will be a large percentage of descendants of International and state fair champions.

Dr. A. D. Weber, head of the live stock husbandry division, Kansas State College, has been selected to place the awards.

Some of the females will be bred to Pittodrie Upright, the \$61,335 world's highest priced beef bull.

Battle Prairie Dogs

Farmers in Hodgeman county are waging a big battle against prairie dogs this spring. Nearly all townships in the county appropriated money for the program, and more than 3,000 pounds of cyanogas has been purchased, according to George Fritz, county agent.

This chemical will kill lots of prairie dogs. It requires only 1 or 2 table spoons in each hole. At that rate 3,000 pounds will stretch a long way. Mr. Fritz points out that there is no danger of killing birds or other wildlife by using the chemical, unless they should happen to be in the prairie dog hole.

Plant Beans Late

Soybeans planted as late as June 10 mature only 3 or 4 days later than the same varieties planted 3 weeks earlier, according to experimental reports from Kansas State College, Manhattan.

College agronomists contend it is better to delay planting until early June than to plant in weedy ground or on a poorly-prepared seedbed.

Good Prices Ahead

The seasonal rise in prices for both butterfat and eggs probably will be higher than normal next fall, states Karl Shoemaker, Kansas State College marketing economist.

He bases his prediction on present cold storage reports on both products. On April 1, butter storage amounted to less than 8 million pounds, compared to 37 1/2 million pounds for the last 5-year average. Eggs in storage were less than one half million cases on April 1, compared to 3 1/4 million cases a year ago, and the last 5-year average of 3 million cases.

Producers might well gear their production programs to take advantage of next fall's expected high prices, states Mr. Shoemaker.

Here Are F. F. A. Winners

New President Also Won Speaking Contest



Governor Frank Carlson accepting honorary State Farmer charm from Richard Chase, El Dorado, 1946-47 president of Kansas Association of F. F. A. Governor Carlson is the first bona-fide farmer to become governor since organization of the Kansas F. F. A. in 1928, and is the first individual not directly connected with F. F. A. work to be awarded the degree.

FIRST place in the 24th annual Kansas high-school judging contest was won by Newton high school's Vocational Agriculture judging team. The 2-day judging event was held at Kansas State College, Manhattan, April 28 and 29.

R. M. Karns coached the winning Newton team, which included Vincent Katz, Wilbur Kurr and Kenneth Wood. Second place went to Beloit, and third place to Inman.

Three high individual judges were Kenneth Wood, Newton, Nicholas Schmidt, Inman, and Ray VanPelt, Beloit.

Beloit won the farm-mechanics contest, with Washington second and Smith Center third. Beloit also won the livestock-judging contest, with El Dorado second and Stafford third.

Simpson won dairy judging, with Newton second and Arkansas City third. Poultry-judging first place went to Concordia, followed by Inman and Newton, respectively.

Results of other contests were as follows:

Crops—Newton, first; Beloit, second, and Cherryvale, third.

Tool sharpening—Winfield, Emporia and Washington.

Soil conservation—Randolph, Olathe and Lebanon.



John Steadman, of Cottonwood Falls, assumes an attitude of great concentration during the tool-sharpening tests of the annual state F. F. A. contests, at Manhattan.

Concrete—Smith Center, Minneapolis and Parsons.

Welding—Phillipsburg, Altamont and Beloit.

Farm machinery—Beloit, Smith Center and Hope.

Farm carpentry—Beloit, Arkansas City and Stafford.

Farm-power judging—Stockton, Winfield and Beloit.

The Beloit chapter, H. R. Bradley, adviser, won the F. F. A. plaque awarded by the K. S. C. Agricultural Education Club for making the highest total score in all events, covering 15 areas of competition in the 3 major fields of judging, farm mechanics and F. F. A. activities. Newton was second.

Olathe, Buhler, Highland Park, Beloit, Stockton, Winfield, Effingham, Minneapolis and Coldwater won gold-embell awards in the better chapter contest.

Harland Priddle, of the Haven chapter, won first in the state public-speaking contest. Garth Grissom, Syracuse, was second, and Jim Gurley, Beloit, third.

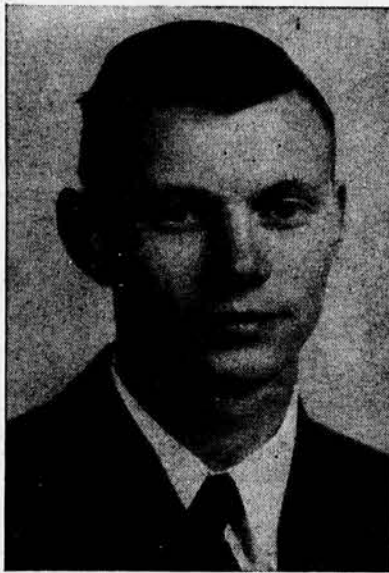
Newly elected president of the Kansas Association of Future Farmers of America is Harland Priddle, Haven, to succeed Richard Chase, El Dorado. Other new officers are Bob Greve, Harper, vice-president; James Boucek,

Ottawa, secretary; Eugene Brinkman, Coffeyville, treasurer, and Leroy Spicher, Simpson, reporter.

Candidates awarded the State Farmer degree on the basis of farming programs, leadership and scholarship are:

Richard Gearhiser, Eldon Mosler, Altamont; Louis Aabatka, Everett Holthus, Atwood; Keith Wiles, Beloit; Leo Herron, Wayne Stitt, Chanute; Donald Faidley, Laurence Martin, Dean Sharp, Clay Center; Victory Thompson, Coldwater; Dale Roberds, Columbus; Dean Johnston, Robert Larson, Lavern Melhus, Concordia.

Eugene Bringman, Coffeyville; William Hundley, Lawrence Kuhnert, Jr., James Monhollon, Jr., Dwight Reece, Effingham; Robert Edwards, James Pearson, William J. Williams, Emporia; Loren F. Chase, Fairview; Raymond Ellis, David Gillan, Eugene Heiman, Donald Leah, Garden City; Theodore Daise, Goodland; Bob Greve, Tommy Wedman, Harper; Donald Rogers, Harveyville; Eldon Bauman, Harold Johnson, Harland Priddle, Le-



For the first time in the history of the Kansas Association of Future Farmers of America, a member has won the state public-speaking contest and also been elected state president of the association. He is Harland E. Priddle, of the Haven chapter.

land Wiebe, Haven; Frank King, Jr., Fred Warren, Hiawatha.

Leonard G. Schesser, Horton; James H. Aiken, Independence; Harold W. Biegert, Junction City; Bill Schrock, Kiowa; Max Mullen, Lebanon; Jack D. Hofmann, Richard McGehee, Max Morris, Manhattan; Richard K. Wright, Medicine Lodge; Emery Ray Eklund, Harvey Fosdick, Miltonvale; Meredith Postlethwaite, Minneapolis; Clyde Prouty, Newton; Keith G. Mines, Duane Waldo, Oberlin; James Pretz, Donald Russell, Olathe; Elmore Nelson, Osborne; James Boucek, Herman Strauss, Ottawa; John Butel, Don Forth, Overbrook.

Kenneth Dageforde, Charles A. Price, Paola; Dean Haller, Randolph; George Ackerman, Sabetha; John M. Allison, Shawnee Mission; Clarence Blaha, Billy Gentry, Leroy Spicher, Simpson; Harold Thole, Stafford; Earl E. Bigge, Clyde Blair, Stockton; Curtis Steward, Tonganoxie; John Gaither, Wakeeney; Robert Rawson, Wamego; Marvin Clark, Philip Shideler, Washburn (Topeka); Kenneth Kern, Thyr Zweifel, Washington; Mark Bogner, Edward Copple, Dean Sheeks, Winfield.

Family Comes First

A farmer doesn't have a surplus of money until after he has provided his family with a modern home. That is the theory of Fred H. Krehbiel, Reno county dairyman.

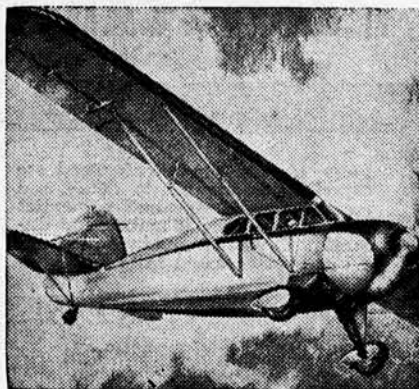
Mr. Krehbiel has completed construction of a modern home and the family is delighted. A new dairy barn has been built in the last few years, too. "Now," says Mr. Krehbiel, "if my farming brings in a surplus of money I may be interested in buying more land. But I felt that my family came first."

This action on the part of Mr. Krehbiel fits directly into the new "balanced farming" theory now gaining a foothold in Kansas. After all, say the experts in farm planning, better living conditions on the farm should be the ultimate goal of every farm plan.

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For more eggs and better flock vitality, poultry houses should be kept clean... free from chicken mites. Phillips Wood Preserver and Mite Killer is recommended for use on nest boxes, roosts, floors, joints, and cracks. One application a year should be sufficient.

A GOOD GASOLINE also can help you save time and money... may aid in preventing faulty engine performance. If you're looking for an all-purpose motor fuel (designed for use in truck, tractor, or car) stop at the orange-and-black sign. Phillips 66 Gasoline packs a smooth, powerful wallop in every drop. And ask your friendly Phillips 66 tank truck driver about Phillips 66 Motor Oil. He'll tell you it's a smooth oil with staying qualities... a good running mate for famous Phillips 66 Gasoline. Remember, too, to ask about Phillips line of practical products, insecticides, disinfectants, etc., designed specially for farm use.



FOR BETTER SERVICE... PHILLIPS 66

Fly Can Be Controlled

By E. G. KELLY

IT WAS fully demonstrated during the seasons of 1944 and 1945 that the Hessian fly can do a lot of damage to wheat in Kansas. There was not so much damage in 1946, but enough to be noticed by several hundred farmers.

The economic importance of the Hessian fly to the individual farmer is not alone the actual over-all damage to the wheat crop in the state, which may amount to millions of bushels in some years, but the effect it has on his individual crop. The loss of the crop to the individual farmer may be the difference between having plenty of money to buy the necessities for the farm and getting along on money obtained from a few hens and few cows. The effect on his total income is the serious situation for him, and he is not concerned with the state-wide loss.

Extensive research has been conducted by the Kansas Experiment Station on improved varieties of wheat. Some of this research has been to develop varieties of wheat that are resistant to the Hessian fly. This has been accomplished to a considerable extent in the production of the variety known as Pawnee. This variety indicates that it has considerable resistance to the attack of the Hessian fly in the fall and even more in the spring. If this variety continues its resistance thruout the years to come, it will not be so difficult to combat this pest.

Goes Thru 4 Stages

In the course of its development, the Hessian fly passes thru 4 different stages, and this is known as the life cycle. The 4 stages are the adult, the egg, the larva, and the flaxseed. These stages differ so greatly that one might not suspect any relationship between them. The adult fly is a small, long-legged fly, dark in color, and very much resembles a gnat or mosquito. It hides among the leaves of the wheat while laying eggs. The eggs are laid in the deep grooves on the top side of the wheat leaf. The eggs are pushed to the bottom of the groove and more or less glued to the leaf. When the egg hatches, the tiny, pink-colored maggot crawls down the leaf until it comes to the sheath, then it wedges itself between the sheath and the stalk and pushes on downward as far as it can go. When it reaches the mode, it begins to feed and does not move from that place.

When the maggot is full-grown, it is just where it landed that first day—between the leaf sheath and the stalk. It turns brown in color to form the flaxseed, and the maggot inside the brown case changes to the pupa and adult stage. The brown flaxseed stage is frequently called the "egg" by farmers. It is not an egg, but is the maggot changing to adult. The brown stage is more or less a dormant stage in the summer and winter.

There are 2 distinct generations of the Hessian fly, one in the spring and one in the fall. The spring generation of maggots is feeding on the plants

now. The white or greenish-colored maggots can be found by stripping off the bottom leaves in May. A little later, the maggot will turn to the brown flaxseed. The early maggots will seriously damage the small plant, which will eventually die. The later ones will press a slot or groove in the wall of the stem and be covered by the sheath. These later maggots will cause many of the plants to break down. These breaking plants are often mistaken for hail injury. There is a definite difference between a hail bruise and the dent caused by the Hessian-fly feeding.

The Hessian fly is quite generally distributed over the eastern half of Kansas this spring. There are heavily infested areas in Marion to Butler and Sedgwick counties. There is another heavily infested area in Reno to Stafford and Pratt counties, and still another in the southeastern counties. The light fall infestation in some areas seems to be developing into rather heavy infestations this spring. Pawnee wheat is not so heavily infested as other varieties.

Discover Damage Too Late

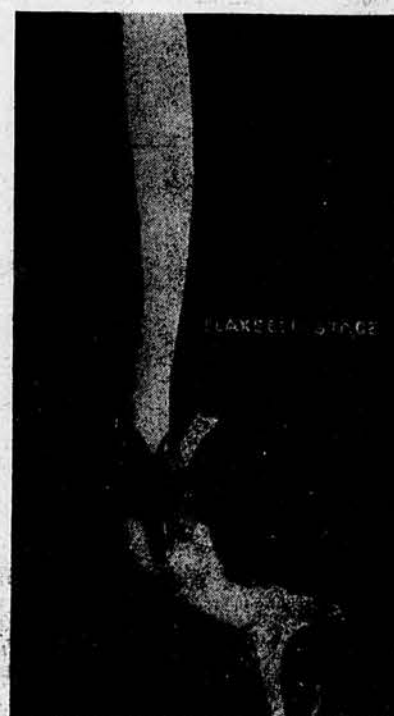
There are areas in the eastern half of the state where Hessian fly will do serious damage to many fields, and the loss will be serious. Many farmers will not discover the seriousness of the situation until it is too late to plow under the infested wheat to plant other crops. It will be a good plan for farmers to examine their wheat wherever damage occurs, to discover the cause. If it is Hessian fly, then plans should be made for combating the pest.

Best time to begin Hessian-fly control is in late spring or early summer. If wheat is found that is so heavily infested it will not produce a profitable crop, that field should be plowed with a moldboard plow so as to cover and bury the straw. Follow with a harrow or disk to cover the unturned roots. This same kind of plowing and tillage should be done where the infestation is moderate or even light. It is all-important that stubble fields be tilled early and that volunteer wheat be kept from growing. Disk out the volunteer just as soon as it begins to grow so as to remove plants on which the very early maggots feed. If the early volunteer plants become infested and are permitted to grow, then the fly that grows on it might mature in time to infest later-sown wheat.

Time of planting wheat in the fall of 1947 to protect the fall-sown wheat will be one of the most important things to do to keep Hessian fly under control. The right time to sow wheat in order to miss the fly has been given in Kansas Farmer and has not been changed in any area. If the wheat is planted on or soon after the safe-seeding date, practically all the adults will have emerged and died before the plants are big enough for the flies to find. Therefore, wheat planted on or soon after the safe date, which is the



LARVAL STAGE



FLAXSEED STAGE

Here are pictures of the pesky Hessian fly in larval and flaxseed stages

average for the community, will have few or no Hessian flies.

It must be clearly and definitely understood that planting wheat on the safe-seeding date only protects the wheat in the fall. Planting wheat on the safe date does not keep out the flies that develop on early-planted wheat or volunteer in the next field. If you do not know the safe-seeding date for your community, you can find out from your county agent.

The Hessian fly is most successfully controlled by the combined efforts of all farmers in a community following all the practices suggested in this article. The individual farmer may control the fly on his farm by following these approved practices; but in years when the fly is very abundant, his wheat may become infested from his neighbor's wheat. The necessity of community co-operation becomes apparent when it is remembered that the adult Hessian fly has good, strong wings.

Farmers in Kansas should not depend entirely on planting a resistant variety, such as Pawnee, to control

the Hessian fly. It will do a good part in the control but should not be the entire effort. It will require the preparation of a good seedbed, prepared early; the destruction of volunteer wheat; planting on the safe-seeding date, and planting resistant varieties.

There is little doubt that the small numbers of Hessian fly in some communities this spring is due largely to efforts made by farmers in practicing the recommended measures in the summer and fall of 1946, which are summarized as follows:

1. Plowing under the infested stubble soon after harvest.
2. Destroying all volunteer wheat as soon as it sprouts, especially immediately before seeding time.
3. Planting wheat at the time recommended by the State Experiment Station or the county agricultural agent for each locality.
4. Co-operating with all other farmers in the community in all Hessian-fly-control practices.
5. Planting resistant varieties when and where adapted.

Ram Show-Sale Soon

By RUFUS F. COX

WITH interest running high in purebred breeding sheep in Kansas, members of the Kansas Purebred Sheep Breeders' Association are looking forward to a large attendance for the association's first annual purebred ram show and sale. The show and sale will be held at the Forum, in Wichita, Tuesday, May 27.

Rams and ewes in most of the 6 popular breeds in Kansas have been entered and demand is expected to be brisk at the sale. It already has been demonstrated clearly that Kansas has as good sheep as any of the states in this area. Purebred breeders and spring lamb producers alike will find this the best opportunity to select good rams and yearling ewes, without traveling to numerous farms, and before the supply is picked over.

Prior to the show and sale on May 27, the association will hold its annual business meeting Monday evening, May 26, at the Broadview Hotel, in Wichita. Election of officers will be among the matters of business. Present officers and directors are: W. G. Nicholson, Great Bend, president; F. H. Paulsen, Zenith, vice-president; R. F. Cox, Manhattan, secretary-treasurer. Directors are: William Conde, El Dorado; LeRoy McCosh, Abilene; Henry E. Schmidt, Freeport; Virgil McClure, Newton, and Erhart Tonn, Haven.

The Kansas Purebred Sheep Breeders' Association was organized at Manhattan in May, 1946, in order to promote improved sheep breeding, to co-ordinate efforts of individual breeders, and to facilitate contacts between breeders and prospective buyers.

A group of about 60 breeders from all parts of Kansas met for the organization meeting and the association already has more than 100 members. Breeds represented by the greatest number of members are in the following order: Hampshire, Shropshire, Southdown, Suffolk, Corriedale, Dorset.

Major organized activities are the association's annual bred ewe sale in

the fall and the purebred ram and yearling ewe sale in the spring.

The first annual bred ewe show and sale was held at Hutchinson, December 10, 1946. A surprisingly high-quality group of ewes was brought out and the sale was very successful. There were about 60 ewes of the Hampshire, Shropshire, Southdown and Corriedale breeds sold. The general average for all, including a few lambs and 3- and 4-year-old ewes, was \$62.32.

Top-selling ewe was a Hampshire lamb bred by Rock and Sons, of Canada, and which had won the championship at the Calgary exposition just before being shipped to Hutchinson. She was purchased for \$270 by Henry Peterson, of Garfield. Bidding was as active near the end of the sale as at the first. Fully twice as many good ewes could have been sold.

It is on the basis of this apparent demand for quality breeding stock that association members anticipate another big sale May 27, at Wichita. Those expecting to attend should obtain hotel reservations soon.

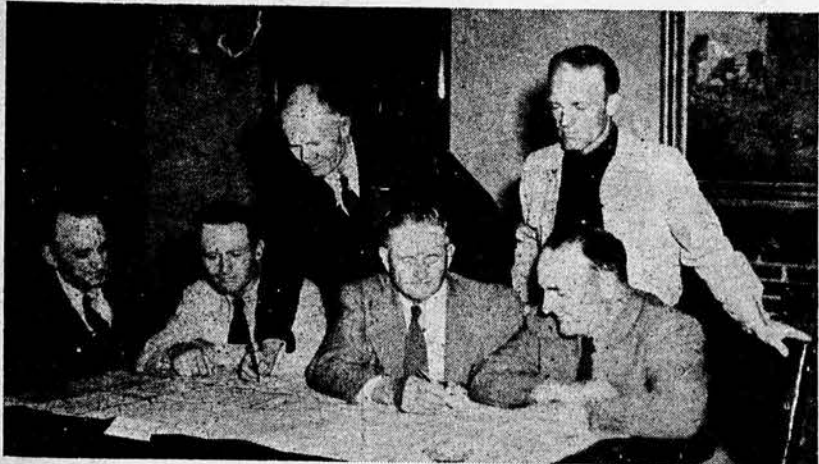
Spray More Cattle

Using methods employed in the Mahaska community last year, the Washington County Cattlemen's Association believes it will be able to spray 50 per cent more cattle this summer in their fly-control program.

The Mahaska community was the only one in the county last year that sprayed regularly at 4-week intervals and sprayed stock 4 times during the summer. In that community the spraying schedule was handled by Clyde Miller and Louis Fiser. One of the 2 men would let the farmers know by telephone when the spray truck would be on their farm. Then the farmers would have cattle ready for them on arrival. With this co-operation they could handle between 20 and 22 farms in a day.

A similar program will be tried this year in other communities.

Flying Farmer Board Members

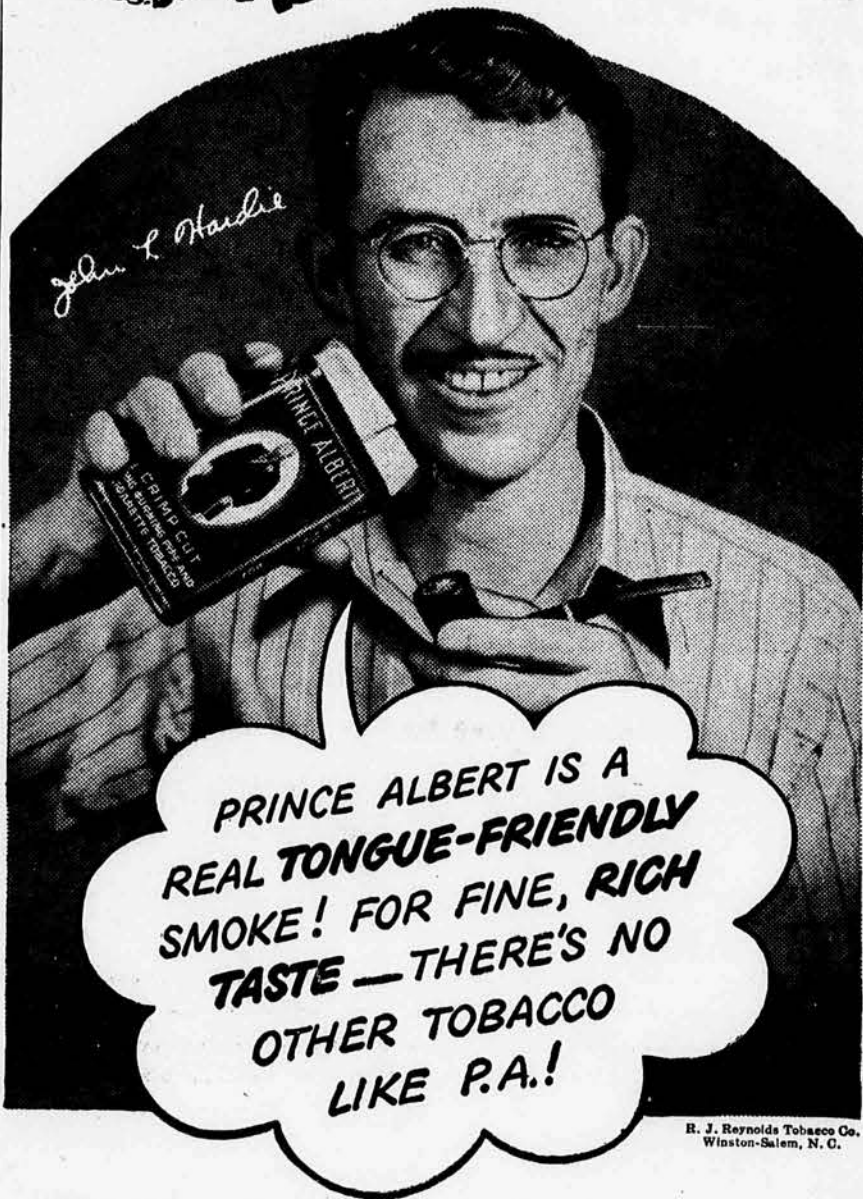


With a state map spread before them, members of the Kansas Flying Farmers' Club executive committee make plans for spring air tour of Kansas. Seated left to right are C. C. Trostle, Nickerson, and Norman Clothier, Florence, directors; Alfred Ward, Johnson, president, and Otis Hensley, Glasco, vice-president. Standing are Ellis Dinsmore, left, Clay Center, director, and George Galloway, Wakeeney, state delegate to the national association. Directors not in picture are William Wegener, Norton, and Lloyd Chance, Liberal.

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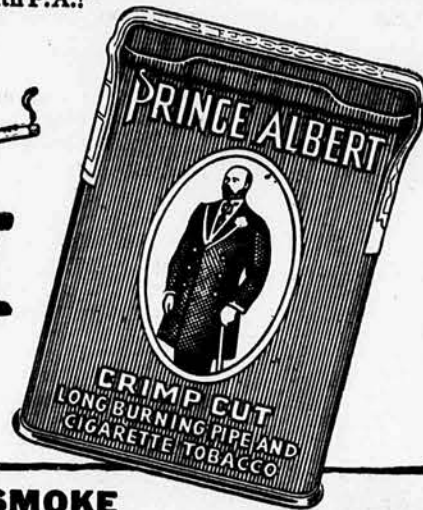
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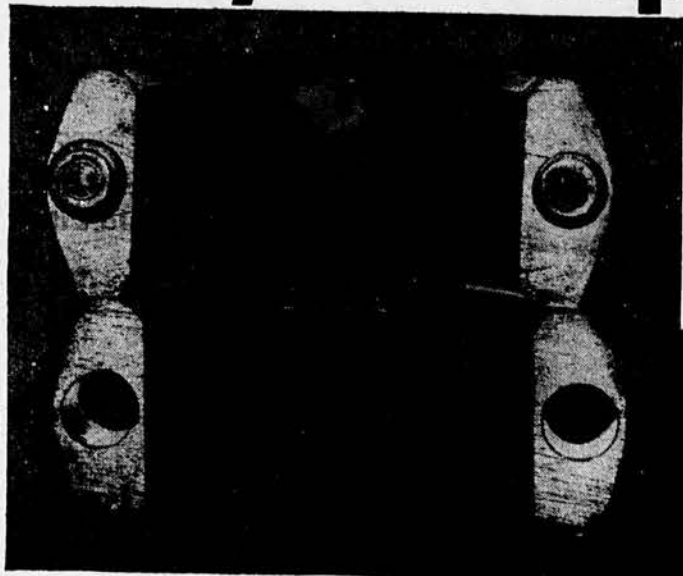


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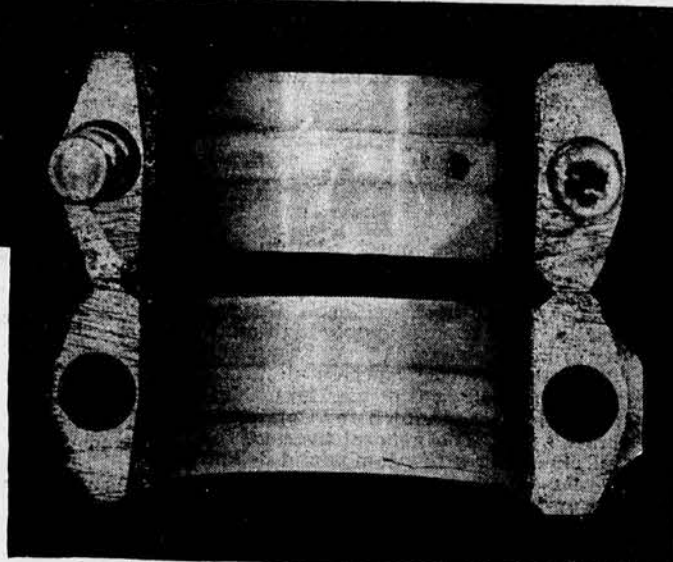
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It Pays to Keep Farm Engines Mobiloil Clean

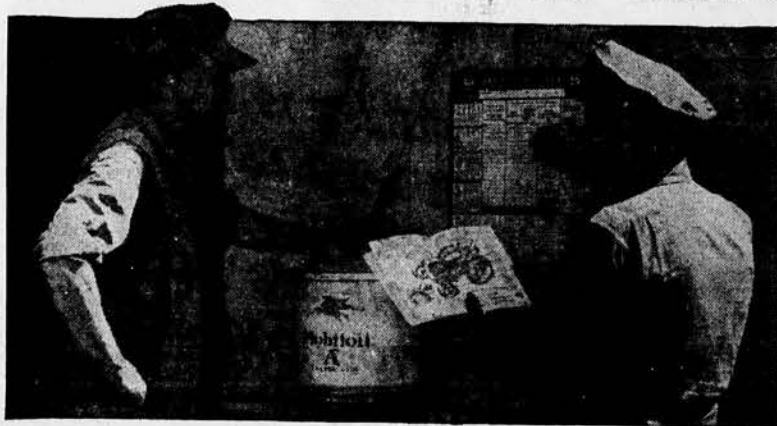


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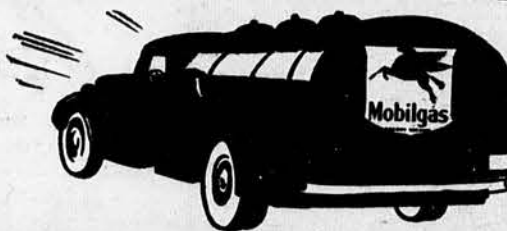
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Tile Gardens Do the Best

TILE gardens are making a big in Graham county, as more and more farmers are learning the value of stabilizing garden production says R. W. McBurney, county extension agent.

During drouth periods in the county there has been a spectacular difference in production between tile irrigated gardens and those irrigated by other methods, Mr. McBurney claims.

When the call for Victory Gardens was made in 1942, subirrigation was recognized over Graham county as superior to any other method. More than 30,000 feet of tile for this purpose was purchased by gardeners during the war. In addition, individuals made their tile.

Vocational agriculture classes did land-office business of making and installing garden tiles. As a result, there now are 132 tile gardens on record in the county and an unknown additional number not recorded.

Nine 4-H Club members now have tile gardens. Some of these young people made and installed their tile. The tile is installed in trenches below plow depth and puts the water deep, where plants develop sturdy, drouth-resistant root systems, says Mr. McBurney. The tile sells for 5 or 6 cents a foot.

Early tile used in the county was the half-round type. Later, square tile with sloping sides was found to be improvement.

To New Job

Phil W. Ljungdahl, extension animal husbandry specialist for Kansas State College at Manhattan, has been named Southwestern field representative for the American Aberdeen Angus Breeders' Association, announces Secretary Frank Richards, Chicago. He will assume his new duties June 1.

Long interested in livestock improvement work and purebred Aberdeen-Angus cattle, Mr. Ljungdahl has served as president and is now secretary-treasurer of the Kansas Aberdeen-Angus Breeders' Association. A native Kansan, he was born on a farm—now known as the Crestview Angus Farm—near Manhattan. As a 4-H Club member, he fed and exhibited Angus calves at most of the major livestock shows. In 1929 he was awarded the junior feeding and showman championship at the International in Chicago.

During his undergraduate work at Kansas State College, Mr. Ljungdahl was a member of the meat-judging team at the American Royal and International in 1934, and his team won first at Chicago that year. He also was a member of the junior livestock-judging team at Fort Worth, and senior livestock-judging team at the American Royal and International in 1933.

Since his graduation from Kansas State College with a major in animal husbandry, he has devoted himself to extension work in Kansas. First, he served as assistant county agent at large, spending a great deal of his time judging county fairs and 4-H livestock shows. He has been county agent at Seward, Gray and Chase counties. In recent years, as Kansas extension animal husbandry specialist, he has helped develop better livestock production throughout the state.



Phil W. Ljungdahl

More Strawberries This Year

By JAMES SENTER BRAZELTON

THE strawberry crop in Northeastern Kansas is going to be considerably later this year than usual. In 1946, we marketed our first berries on May 9. The severe cold weather we had in January probably did some damage to the few patches that had not been mulched at that time.

If weather conditions remain favorable from now on, there is every reason to believe the crop in Doniphan county will be larger than it has been for some years. Acreage was increased considerably last year, due principally to the impetus of high prices for 2 years in succession. More labor being available probably had something to do with increased plantings, too. Altho the weather has been unfavorable for plant setting, growers have managed to increase the strawberry acreage again this spring.

Working between showers, thousands of plants have been muddled in, and if the weather does not suddenly turn hot and dry these plants will do well, and a much larger volume of berries for next year will be assured.

Growers do not hope to get \$8 and \$9 a crate for this year's crop as has been the case the last 2 seasons. Strawberry districts to the south of us all have bumper crops and will come onto the market ahead of ours. The strawberry deal in Louisiana has already passed its peak, and reports from there this week says growers were receiving from \$6.15 to \$6.20 a crate. Demand was active.

Plenty of Competition

Before our crop here is ready, berries from the vast strawberry districts of Tennessee must be disposed of, and movement of these is scheduled to get under way around May 10 to 15. Illinois strawberries also will start possibly May 10 or 12. Prospects there are for a good crop. Strawberry picking will be at its peak by May 5 in Arkansas and Southern Missouri.

Competition will be keen, and it is sincerely hoped by growers here that the hankering for strawberry shortcake will not have been satisfied before our berries come on the market. If more sugar were available for canning and making preserves, undoubtedly the demand for strawberries would be much greater. Home freezer lockers, as well as commercial freezing for ice cream and confections, take care of quite a large volume of strawberry offerings.

I think it was Emerson who said, "Doubtless God could have made a better fruit than the strawberry but doubtless God never did." It is not only a delicious fruit to eat but now comes the U. S. D. A. with a report that a generous serving of fresh strawberries supplies the recommended daily quota of vitamin C.

Specialists from the State College of Agriculture at Raleigh, N. C., how-

ever, modify this statement by saying that the amount of vitamin C in berries depends on the variety, and weather conditions under which they are grown. Chemists contend that some varieties have much more vitamin C than others, and prove this statement by saying that in an analysis of 44 strawberry varieties, the variety testing highest had almost 2 1/4 times as much as the one showing the least amount.

Everbearing strawberries once were considered a novelty and were grown only in home gardens. But now in the Pacific Northwest commercial growers are switching to everbearers, principally the gem variety, and are supplying the markets of that area with fresh strawberries from July to late October. A great deal of this strawberry acreage is on irrigated lands, and the yield is said to be satisfactory.

Tests are being made to determine whether berries of the gem everbearing variety will stand up under freezing and maintain a consistent high coloring.

Tries a New Variety

E. J. Chapple, of near Troy, is setting out 1,000 everbearers this spring, using the new and popular variety, streamliner. It is just an experiment with him, for he has a hunch that everbearers will make money. If the venture proves successful, Mr. Chapple will have blazed a trail that many others in this section will follow. On one half of these plants he will keep the blossoms pinched off to encourage the making of runners. From this part of the patch Mr. Chapple plans to sell plants this fall and next spring. The other 500 plants he will allow to bloom and set fruit, and from these he expects to harvest at least one crop of berries this summer, and 2 crops if conditions are favorable.

The new streamliner is said to have everything—enormous size, beautiful coloring, good flavor, excellent shipping qualities, and is a good producer. The berries are almost round, glistening scarlet color and extremely sweet, requiring the minimum of sugar. It ripens 60 to 90 days after planting, fruiting continuously until snow flies, and then bears another fine crop the following June.

Strawberry growers in Northeast Kansas are especially fortunate in having right at their door a commercial freezing plant. It has a capacity capable of taking care of all the strawberries raised in this section if growers care to avail themselves of the opportunity. This plant, at St. Joseph, Mo., is now freezing strawberries shipped in from Arkansas and Southern Missouri. There has been some talk of establishing a freezing plant here in Doniphan county that would preserve by freezing all the various fruits that are grown here.

Big Demand for Trees

Planted for Windbreaks, Wood Lots and Erosion Control

ABOUT 800,000 trees for windbreaks, wood lots and erosion control plantings had been distributed by the Fort Hays Experiment Station by April 25, according to station officials. This number broke all records for the station. None of the 800,000 trees sold for windbreaks, wood lots and erosion control plantings can be used for ornamental purposes.

In addition to these trees, the station sold 5,000 Virginia pine and Douglas fir seedlings to Eastern Kansas farmers to be grown for Christmas tree stock. Most of them will be set out between Kansas City and Manhattan. It will take 7 to 10 years for these trees to reach salable age. The Virginia pine is the quickest growing tree for Eastern Kansas.

Eastern Kansas farmers also purchased 2,000 stratified black walnut seeds for planting. There is a national shortage of black walnuts and farmers in the adapted areas are being urged to plant them as future insurance.

Orders for trees at the Fort Hays station were received last year from 102 of the 105 counties, officials reported. Sedgwick county was tops with 41,750 trees ordered by 93 farmers. A total of 2,125 farmers in the

state ordered trees during the year.

More trees could have been sold, but there was a shortage at the station of some of the more popular trees. For instance, the station had only 75,000 2-year-old red cedars this year. Next year they will have 250,000 available. Altogether the station next year will have from 1 to 1 1/4 million hardwood seedling trees.

Next in popularity to the red cedars are Chinese elms and western yellow or ponderosa pines. Farmers bought 190,000 Chinese elms during the year and 130,000 of the ponderosa pines. The station expects to sell 400,000 2-year-old red cedar and ponderosa transplants next year.

Western yellow and Austrian pine are recommended as the longest lasting trees for all parts of the state.

Judging from the big increase in plantings last year, Kansas farmers are becoming more and more tree conscious. The station is making the job of planting easier now, too. By writing to the station farmers can get plans for a homemade planter that can be made for about \$50. Station officials suggest that several farmers go together to make one planter for a community. These planters can set out a windbreak in an hour or so.



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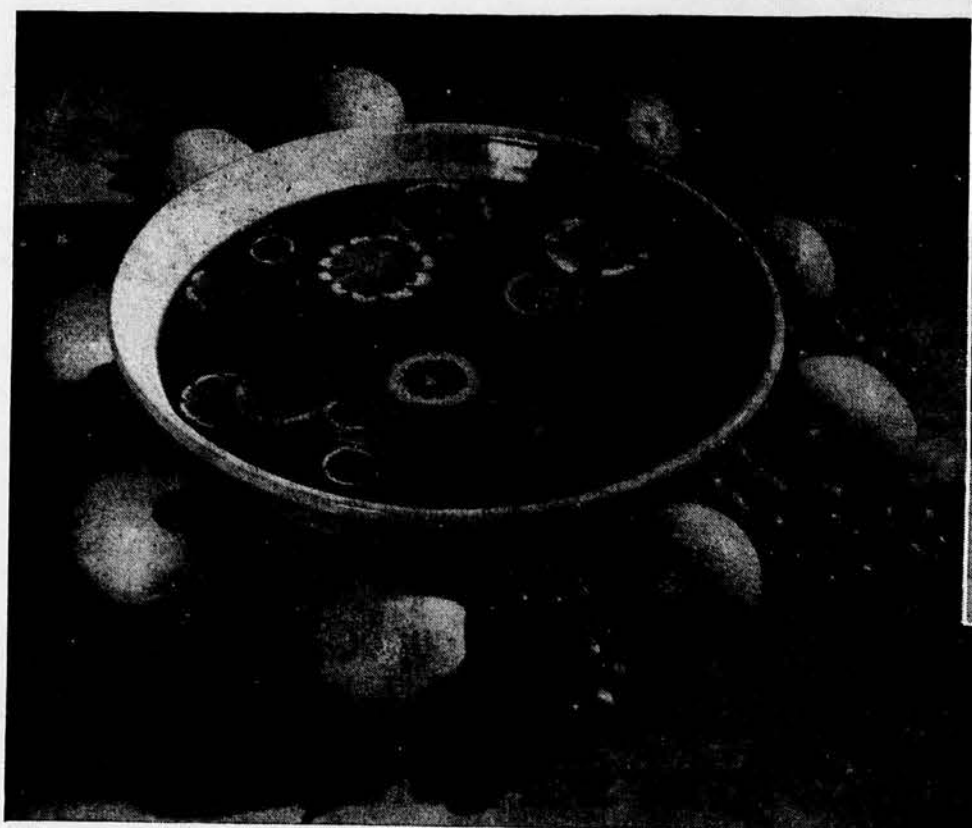
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**DRY
YEAST**

Time for a Spring Party

By Florence McKinney



For a warm afternoon, iced fruit punch will be a delightful refreshment to take the place of hot tea.

WHAT could be prettier than a tea party in the spring? It's a favorite for several reasons. First, the ease of preparation, then there are garden flowers available. A tea party can well take the place of the usual covered dish luncheon or the afternoon refreshments of the monthly club meeting. To entertain special guests, a tea is a favorite. There is time for chatting and getting acquainted, and it's easy on the club treasury, which is an advantage.

For an informal tea, the table should not be too large. If possible move it to one side of the room, leaving just enough space for guests to serve themselves from all sides of the table. Guests may be directed to stand in the living room or seat themselves there or on the porch. One member of the hospitality committee will pour tea, or the fruit punch, whichever is served. The guests may be invited to the dining room a few at a time and serve themselves. Selected members may conduct special guests to the table. After eating, they may leave their plates on a table provided for the purpose, or some member may gather and take them to the kitchen.

A lace tablecloth is perhaps best for such an affair, or matching doilies, either cloth, lace or paper may be used. Small cloth or paper napkins should be used.

Garden flowers in mixed colors will enhance the appearance of the table and the other rooms of the house, but if a special color scheme can be carried out, all the better. The color can be carried over into the candies, sandwiches, cakes, cookies and napkins as well.

Pink and White

Tiny cakes or cookies iced in pink, and alternating white and pink candy mints, will make an attractive tea table if dainty pink flowers can be found for the centerpiece. Tiny white cookies with thin slices of pink gumdrop in the center might be made by some skillful cook. White paper napkins with dainty pink flowers will add to the color scheme.

Green and White

For a warm spring or summer afternoon, a green or white color scheme will be cooling and inviting. A fruit punch instead of tea will be suitable. Serve tiny, thin sandwiches with a filling of cottage cheese and sliced olives, and tea cakes or cookies covered with pale-green icing. Slices of green gumdrops or green candied cherries might be pressed into white icing.

Pastel Color Scheme

Everyone will agree that a pastel color scheme will be the easiest to prepare. Hostesses and guests can wear pastel-colored summer dresses to add to the gay color scheme. Make open-faced sandwiches spread with salad dressing and a very thin slice of cucumber, a tiny dot of red tomato, a bit of hard-cooked egg, decorated with specks of parsley. The cookies and cakes may be decorated in all the dainty tints in the rainbow and mints may be the same in yellow, lavender, pink, blue, green. Tea may be served in the regulation style or two parts of tea and one part of fruit juice . . . not too sweet.

Sweet peas are an everyday example of what pastel colors might be in artificially made items for a party. Pale and delicate is the word and it should be adhered to in making icing, buying napkins, making the fruit drink.

Tea Sandwiches

Whether the tea sandwiches are round, square, triangular or in strips, by all standards they will be small. Open-faced sandwiches offer a way to use the color scheme to good advantage. Thin slices of olives, bits of cucumber, green onion tops, preserved ginger, candied cherries . . . these are the choice bits of foods that may be used to decorate either open-faced or ordinary sandwiches.

Cottage cheese or cream cheese, seasoned to



Hot-house or garden flowers come in such variety of kind and color that the color scheme of the party can be planned around them.

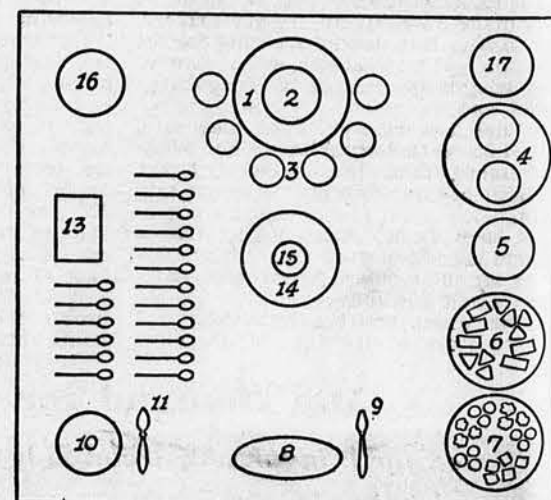


Table setting for a tea party.

1. Tray
2. Tea pot or pitcher
3. Cups or glasses
4. Cream and sugar
5. Lemon slices
6. Plate for sandwiches
7. Plate for cookies or cake
8. Dish for nuts
9. Serving spoon for nuts
10. Dish for mints
11. Serving spoon for mints
12. Spoons for tea or chocolate
13. Napkins
14. Bowl for flowers
15. Flower holder
16. Bowl for chocolate if served
17. Plates

taste and used as a base for the colored bits, will both taste and look good. Chopped parsley on a cream-cheese base, well seasoned, will be delightful and refreshing.

The tea sandwich is seldom made with meat, altho minced chicken [Continued on Page 15]

Successful School Lunches

Wallace County Program Runs 3 Years

IT TAKES a good sponsor and co-operation to make a school-lunch program move along successfully. Wallace county has these elements for success in the North Star Home Demonstration Unit. Three years ago, under the guidance of Mrs. Tom Jackson, a member of the unit, the club set about the establishment of a lunch program. In Wallace county, children come from as far as 25 miles to attend the community high school in Sharon Springs. There was also the grade-school children to think about, a joint enrollment of nearly 250 young folks.

The women thought they needed to serve good, nourishing, hot lunches, because many brought from home were of the cold variety and some children patronized the hamburger and soda-pop stands and called it lunch. Also, to some farm women it's more than a major chore to pack 4 or 5 really good lunches 5 days a week. To solve this problem, the women set to work. They have bought a total of \$600 worth of equipment, including stoves, remodeling of the building, cupboards, a refrigerator, dishes, kettles, paint, and sewer connections.

The first major problem was to find a suitable building where the lunches might be served. They agreed that the building on the grounds which had formerly been used for the school garage was the best from all points of view.

All this did not happen overnight. In reality, the women studied the possibilities for a full year before they launched the project. The first 2 years they borrowed tables from the Methodist church but these have been replaced by modern tables recently built by Willard Larson, school principal, from materials purchased by the school district.

How was this huge undertaking financed? True, they serve a government-subsidized, approved type-A lunch and sometimes receive surplus commodities but this will not pay for equipment. The unit members are money-makers, ingenious money-makers at that. Now that they have the lunch program on a going basis and the equipment is bought and paid for, they carry only one regular money-making project, that of serving lunch to the Rotary Club every week. At this they make a weekly net profit of from \$10 to \$18. But previously they went into all sorts of undertakings. Once they bought 100 pounds of white feed sacks and the members made them into dish towels. For these they received 25 cents each and \$2.50 for sets of 6 embroidered ones. They held food sales in Sharon Springs on shopping days.

To save money they have canned several barrels of apples at the lunchroom for the lunches. Every day they serve about 175 boys and girls, three fourths of the entire enrollment.

For 15 cents each child receives a pint of milk, meat or a substitute, a fruit or vegetable or both, dessert and bread and butter. The Federal government reimburses at the rate of 9 cents a meal. Teachers pay 25 cents for their lunches. During the last school year they received potatoes, cheese, sauerkraut, onions, tomato juice, orange juice, peach and apricot jam as surplus commodities.

They pay 4 cooks at the rate of 40 cents an hour. This year Mrs. Leonard Compton, secretary-treasurer of the unit, keeps all the records, pays the bills, requisitions the commodities and reports to the state school lunch supervisor in Topeka. The club pays her \$5 a month for her services.

There are 22 members of the North Star Unit as follows: Mrs. Phil Henrick, president; Mrs. Joe Graham, vice-president; Mrs. Leonard Compton, secretary-treasurer; Mrs. John Welch, Mrs. Tom Jackson, Mrs. Lawson Pettigrew, Mrs. Carl Hubbs, Mrs. Rosa Hickie, Mrs. Leonard Seaton, Mrs. Lydia Kroetsching, Mrs. Charlie Kidwell, Mrs. Mattie Tucker, Mrs. John Swanson, Mrs. Vernon Pettigrew, Mrs. Clifford Knouse, Mrs. O. L. Penn, Mrs. George Herl, Mrs. Joe Sonday, Mrs. Arch Spurrier, Mrs. Paul Foster, Mrs. Raymond Horton, Mrs. Fred Fulton.

Spring Party

(Continued from Page 14)

and sardines beaten to a paste may be combined with butter and salad dressing to be spread lightly over thin slices of bread. Needless to say, crusts are removed from the bread with a very sharp knife.

A tea sandwich filling to make the guests inquire for the recipe is herb butter. It's dainty, tempting and different.

Herb Butter

8 tablespoons butter	1 teaspoon, mixed,
1 tablespoon	of thyme, tarragon or other herbs
chopped parsley	gon or other herbs
few drops of lemon	salt and pepper to
juice	taste

Cream the butter, add the other ingredients and mix well. Spread on either whole wheat or white bread.

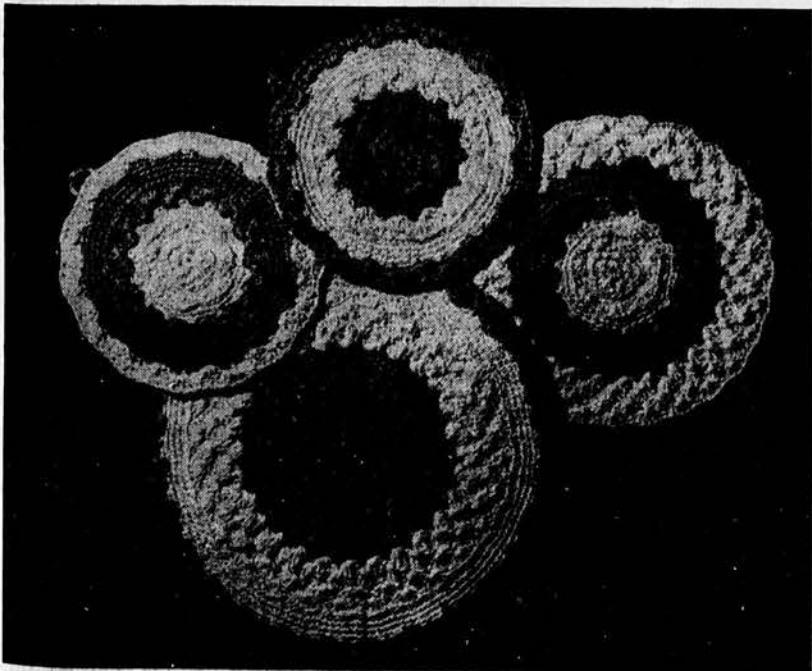
For a warm afternoon, it might be well to serve iced punch instead of hot tea. The sandwiches and other accompaniments may remain the same.

Iced Fruit Punch

1½ cups sugar	5 cups orange juice
2 cups strong tea	2 quarts ice and
1 cup lemon juice	cold water

Dissolve sugar in the tea while hot, cool, add lemon and orange juice and when ready to serve, the ice and water. Float lemon slices on top in the punch bowl.

Practical and Pretty



Excellent for gifts is this set of crocheted hot-plate mats and 2 matching pot-holders. Make them of 2 colors in this pattern that alternates shells and single crochet. To get pattern PC 3831 with complete directions, send 5 cents to the Women's Editor, Kansas Farmer, Topeka.

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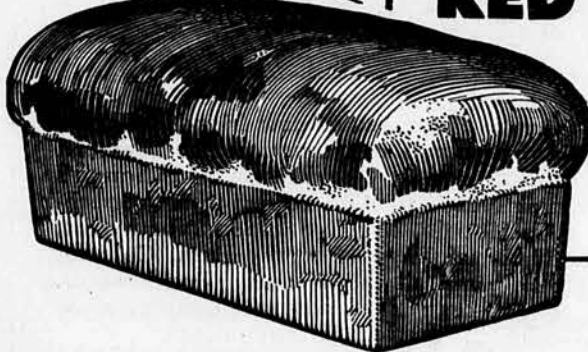


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A Country Woman's Journal

By MARY SCOTT HAIR

IT WAS Omar Khayyam who gave us this inspiring invitation in his Rubaiyat: (Fitzgerald translation) "Come, fill the Cup, and in the fire of Spring Your winter garment of Repentance fling."

I am not quite sure that I did a good job of flinging away my "winter garment of repentance," but truly my cup was filled to the point of running over! For the second time this year (and the year is still young) I've had a vacation!

There was quite a lot of anxiety preceding my preparations this time. A cold, with its complications, made the venture look rather doubtful. But at least I had a brief period of breathless, hurried preparation. The day before my departure was an event in itself. Like so many country women, I ordered my new coat and it failed to arrive. That in itself was a major tragedy! Such an auspicious occasion demanded a new coat, so we made a hurried trip to our nearest city and I purchased the new coat!

With the minimum amount of night-before sleep, all smiles and a new outfit complete from a straw bonnet with daisies to smart black pumps with the toes out, I boarded the bus for Marshall, Mo., to represent my county in the State Council of Churches Convention.

The weather seemed a bit on the minus side, so I decided it would be wise to heed my Girl Scout training and "be prepared" for any kind of weather. Many were the times and circumstances our Scout motto served me well! I took my galoshes and an umbrella, also my red wool sweater to wear under my new coat, in case I needed it.

It is so much fun going places on a bus! You talk to the lady in front of you, the nice elderly couple across the aisle, and the friendly schoolgirl who sits next to you. I learned that the lady in the seat just ahead of me was from the Lake Taneycomo country, the elderly couple was from Iowa, near Des Moines, and the schoolgirl lived out in the country. The bus stopped at a crossroads store for her to get off.

I think we had traveled about 95 miles and it began raining hard. The bus pulled up in front of a little store and the driver got out for a cup of coffee. The conversation was general, mostly about the rain. I remarked that we needed rain in my part of the country.

"Where is your part of the country?" the gentleman from Iowa inquired.

"Stone county," I replied.

"I'd like to know what good a rain would do down there," he remarked sarcastically. "You've got so many rocks down there the rain can't reach the soil!" Then, of course, he gave me the advice, "You ought to come to Iowa to live."

It was dark and raining hard when I reached my destination. As I climbed off of the bus I had sort of a sad feeling, my throat felt dry... leaving friendly folk in all probability I'd never see again. Too, a dark, rainy night is one thing and being alone in a strange city on such a night was something else!

But the lonely feeling lasted just a moment. The station attendants were courteous as they directed me to my hotel. One of them told me, "With that new spring bonnet you'd better let me get a taxi for you." He did, and I reached the hotel, where friends were waiting, and the new hat did not get so much as a drop of water on it! People are very kind!

Every convention session was packed full of inspiration! On the program my first night was the pastor of a large church in Minneapolis. His illustrated lecture, "Behind the Iron Curtain," was worth traveling halfway across the country to see and hear. It would take hours and pages to tell all about it! In fact, I have an

idea my family and friends will be hearing about it for months.

The colored moving pictures Doctor Mecklenburg used in his lecture were some he took in Europe last summer and fall. The pictures without the comment would have been sufficient for an eloquent indictment against war. When there was any color at all in the devastated, war-torn areas, the utter ruin made the color so outstanding, so contrasting... like a ray of hope! Even in the midst of poverty and starvation the people grow a few flowers, for their souls are as starved for beauty and color as their poor, pitiful bodies are for food. Doctor Mecklenburg reminded us of Mohammed's theory: "If you have two loaves of bread, sell one and buy a hyacinth to feed the soul." I doubt whether those people would carry out the theory to that extent for they are in desperate circumstances.

My big moment came the next day when the awards were made. Believe me, I was just about the happiest, proudest person in the state when I received an achievement banner for my county! Each year banners and awards are given on the basis of outstanding council work. We made a gain of 5 points over last year's record.

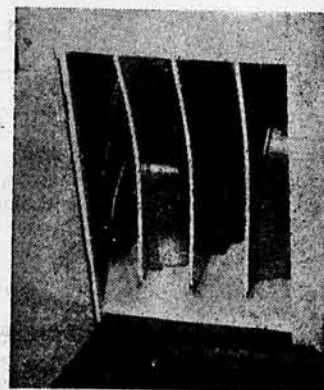
One meets such interesting people at conventions! I had the honor of sharing a room, the first night I was there, with a lady who represents our World Council of Church Women in the United Nations. Her helper was the attractive mother of 3 children, an interesting person, too, for she had lived in the Philippines for several years. Her hobby is collecting silver bangle bracelets. She wore her prize ones, a lovely carved one from China with dragons, several from the different islands... they made a delightful, tinkly sound when she moved her hand. Reminded me of sheep bells, far, far away.

I changed busses coming home and, since it was Friday afternoon, college students were on their way home for the week end. Two ex-GI's sat behind me, discussing their classes. One of them said, "What on earth is a metaphor?" I guess I knew once but so much has happened since then... I could not bring it back to mind.

These school-going veterans seem to be very much a part of high-school and college life these days. In our local high school is a veteran with a service record of several years. His wife graduated from school here, so she helps him with his algebra problems and takes care of Mikey, their year-old son. When the weather is nice, Lorene takes Mikey to meet Daddy.

Another young veteran drives one of our school busses. The other day he slowed the bus down and told the children to look out across a field. There, loping along with easy, graceful strides, was a red fox and two half-grown "children." The little boys on the bus begged him to let them take out across the fields and catch the young ones. What an excuse that would have been for absent little boys!

File Vertically



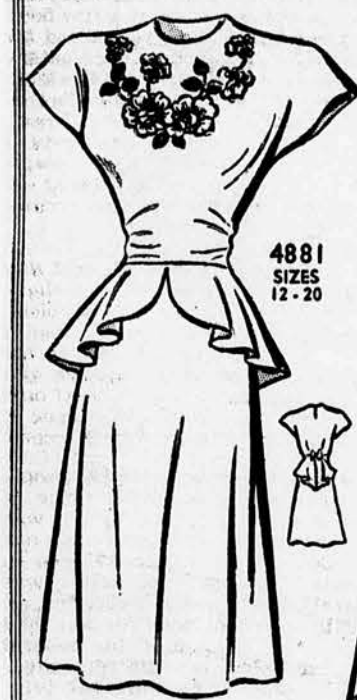
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4719—A dainty dirndl frock right out of a storybook. Lace-edged scalloped sleeve seams match yoke seam. Sizes 2, 4, 6, 8, 10. Size 6 requires 1 3/4 yards 35-inch material.



4719
SIZES
2-10



4881
SIZES
12-20



9424
SIZES
12-20, 40

4881—Make this flattering frock with its smooth cut away front and peplum back. Sizes 12, 14, 16, 18, 20. Size 16 requires 3 1/4 yards 39-inch material. Embroidery pattern included.

9424—Look pretty while you work. This wrap-around frock takes but a minute to slip on and has only 3 main parts. Sizes 12, 14, 16, 18, 20 and 40. Size 16 requires 4 yards 35-inch material.



9323
SIZES
34-50

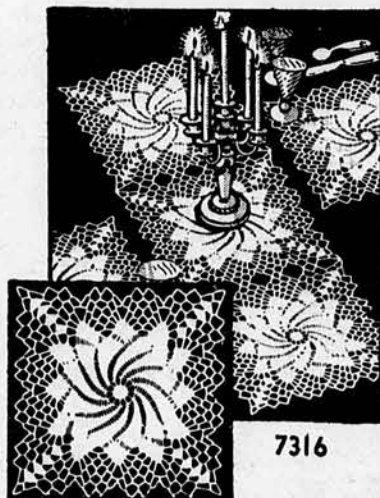


7251

9323—See how this 2-piecer will slim by inches. Frock has slim skirt panels and dainty scallops. Sizes 34, 36, 38, 40, 42, 44, 46, 48, 50. Size 36 requires 3 1/2 yards 39-inch material.

7251—Childhood's beloved prayer in simplest stitchery. A little girl can make this her project. Transfer of a 16- by 19-inch picture, with directions.

7316—One square crocheted in string and you have a lovely pinwheel dolly. Use No. 30 cotton for daintier squares. Directions for square.



7316

Twenty-five cents for dress pattern. Twenty cents for Needlework pattern. Send to Kansas Farmer Pattern Department, Topeka.

Just the FEED You NEED for Peppy Fast-Growing CHICKS



DANNEN CHICK GROWER

● Yes, sir. Dannen Chick Grower in meal or granules has what it takes to keep your baby chicks rarin' to grow. It will help them develop good, full bodies and sturdy legs . . . with bright eyes and plenty of action.

Dannen Chick Grower is rich in vitamins, minerals and proteins so necessary for vigor, high livability, and fast, uniform growth . . . for big, meaty cockerels, and early-maturing, heavy-laying pullets. And that's what it takes to help make you real poultry profits.

Get a supply of Dannen Chick Grower today, and stick by the

Dannen Complete Feeding Program for Poultry. Always ask for Dannen Feeds and Dannen Remedies.



SEE YOUR LOCAL DANNEN DEALER

BALANCED DIET

THE DODSON WAY

Ensilage ration the year round will build weight or increase butter fat. Dodson customers prove it. Write for literature on silos, farm buildings and grain bins.

DODSON

MANUFACTURING CO., INC.

451 BARWISSE WICHITA 3, KANSAS

BROADBREASTED BRONZE TURKEY POULTS

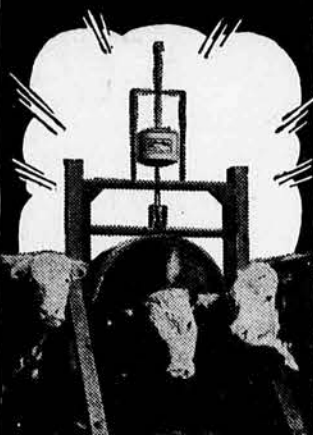
\$49 per 100 (regular \$75 poults). For immediate orders only (this offer may be withdrawn at any time). Future delivery if desired.

For finest selected poults—every one Texas-U.S. approved, pullorum-controlled—strong, healthy profit makers. (Shipped anywhere prepaid or send only 25¢ cash with order, balance C.O.D. Live delivery guaranteed.) Order from this advertisement TODAY.

Less Than 100 55¢ each
Minimum Order 20 Poults

NATIONAL TURKEYS
19 So. Ninth Street, St. Louis, Mo.

KILL FLIES and LICE



-- this Easy Way!

- Modern, self-adjusting Currying Machine applies DDT—Rotenone—HCCH—or Rotenone-Oil.
- Use Year 'round—Kills Flies, Lice, Grubs, Ticks, Mange.
- KEEPS Cattle comfortable—Sleek—Thrifty.
- Stops destructive rubbing—saves fences, feed bunks, mangers.
- FREE: 1 months supply DDT or HCCH.
- Learn the latest on Benzene Hexachloride (HCCH), DDT, Rotenone, Rotenone-Oil, 2-4D—Modern methods of murdering insects and weeds. FREE BOOKLET.

CLIP COUPON—MAIL TODAY!

AUTOMATIC EQUIPMENT MFG. COMPANY
PENDER, NEBRASKA, U.S.A. DEPT. KF

Send FREE booklet and details of FREE INSECTICIDE OFFER.

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ALSO SEND INFORMATION ON
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TRIED — PROVEN

by successful Farmers, Ranchers and Stockmen.
More than 30,000 in use.
Sold by Responsible Dealers

Now You Can Try Procter & Gamble's New WASHDAY

GUARANTEE

Procter & Gamble guarantees that Tide will do everything claimed for it in this advertisement. If you are not completely satisfied, return the unused portion of your package to dealer, and the purchase price will be refunded.



Extra miracles in hard water!

Yes, if you have hard water, Tide is a dream come true! Tide's performance in hard water is so amazing, you have to see it to believe it! Oceans of suds billow up instantly—even in hardest water. And Tide forms no hard-water scum . . . leaves no deposits on clothes or round the tub. No water softeners needed—Tide does it all!

TIDE'S IN—

TIDE IS A WONDER FOR CLEANING MILKING UTENSILS, TOO...

MIRACLE!

IT'S TIDE... *you've never used anything like it!*

TIDE is the postwar miracle you've been waiting for! Developed as a result of wartime research, Tide does *what's never been done before*—washes clothes *cleaner* than any soap, yet actually leaves colors brighter! When you first use

Tide, you'll know it's completely NEW! Tide's wonder suds *look* different . . . *feel* different! And Tide just laughs at hard-water problems . . . gives oceans of suds even in *hardest* water! Let amazing new Tide revolutionize *your* washday!

ONLY Tide DOES ALL FOUR!



1. Washes clothes cleaner!

Yes, cleaner than any soap! It's amazing the way Tide gets stubborn dirt out of heavy laundry . . . even greasy farm overalls! Tide leaves clothes free—not only from ordinary dirt—but from gray, dingy soap film as well. That's why Tide washes *cleaner* than any soap in the world!



2. Actually brightens colors!

Tide washes away every trace of dulling soap film left from former washings . . . leaves your dainty washable colors so *thoroughly clean and fresh-looking* that color brightness perks up like magic!

3. Never "yellows" white things!

Turn to Tide for dazzling white washes that *stay* white, week after week! Tide can't turn white things yellow, no matter how often you wash them or how long you store them!



4. Gives more suds—prove it in your dishpan!

Kind-to-hands suds! Faster suds! Longer-lasting suds than any soap in *hardest* water! Tide cuts grease like magic . . . washes dishes cleaner than any soap! No scum in the water! No greasy ring round the pan! No cloudy film on dishes and glasses! That's why they rinse and dry so *sparkling clear*—even without wiping!



A Hymosol Product

DIRT'S OUT!

... QUICK! EASY! NO SCUM OR MILKSTONE!



Farmers: Control Weeds

-in Growing Grains
-in Pastures

with

AGRICULTURAL
WEED-NO-MORE
TRADE MARK

The Original Butyl Ester of 2,4-D

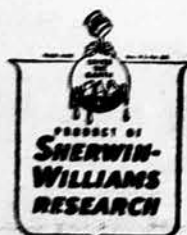
The Farm-tested Weed Killer

Get all
the facts
on this
new farm
weapon
today!



Weed-No-More controls mustards, sunflower, cocklebur, bindweed, Canada thistle, hoary cress, buckbrush, and other weeds. Weed-No-More increases your yield, and helps improve quality. Weed-No-More, by killing and controlling weeds, reduces loss of soil moisture and fertility.

This new farm weapon makes weed control easier, cheaper, and more effective than has heretofore been possible in growing grain crops and in many other farm areas where broad-leaf weeds are a problem.



NEW FREE BULLETIN. Ask your local farm supply dealer for a copy today. If he cannot supply you at once, write for your free copy to any one of these companies:

ACME WHITE LEAD & COLOR WORKS, DETROIT
JOHN LUCAS & COMPANY, INC., PHILADELPHIA
THE SHERWIN-WILLIAMS CO., CLEVELAND

Removes the Risk In Feeding Beef



This is one of the trench silos on the W. L. Bailey farm, Rush county. Feed bunks near the open end of the trench are protected from north winds by trees. The trolley-type carrier is used to roll the feed from the trench to the bunks.

WITH a 2-year supply of ensilage and hay on hand each fall, W. L. Bailey, Rush county, is able to remove some of the risk in cattle feeding. He usually feeds between 100 and 150 head of steers a year. Uses wheat pasture in his feeding program, but does not depend on it. Mr. Bailey does not risk buying stock to feed on wheat pasture alone.

He begins in fall on native grass and wheat pasture. At the same time he feeds a small amount of grain, about 3 pounds, and some ensilage. The wheat pasture takes the place of protein supplement. Steers will gain 1½ pounds a day with this system and can be switched over to full feed without a setback, he says.

As the pasture season closes, he feeds alfalfa hay and ensilage. Losing the protein value of wheat, he substitutes soybean meal or cottonseed cake.

With plenty of feed on hand, he is able to adjust his program to suit the market outlook. Usually at the first of the year he decides which way to go, whether to feed for spring or fall market. And sometimes he may split, feed some for spring, others for fall. He has been feeding cattle for more than 40 years. His feeding plan has proved successful.

Tough on Flies

Flies on Kansas farmsteads are due for a licking this summer. Distribution has been completed of 960 3-gallon compressed-air hand sprayers to 4-H Clubs in 60 Kansas counties, it is reported.

These are surplus sprayers obtained by Dr. E. G. Kelly, extension entomol-

ogist, Kansas State College, Manhattan, and Will J. Miller, Topeka, state livestock sanitary commissioner. The sprayers are on loan from the war department for demonstration control of flies.

These hand sprayers will be used to supplement 75 power sprayers lent by the War Department for use in cattle grub, lice, and fly-control programs in Kansas and the 225 power sprayers that have been purchased locally.

Report Pea Aphid

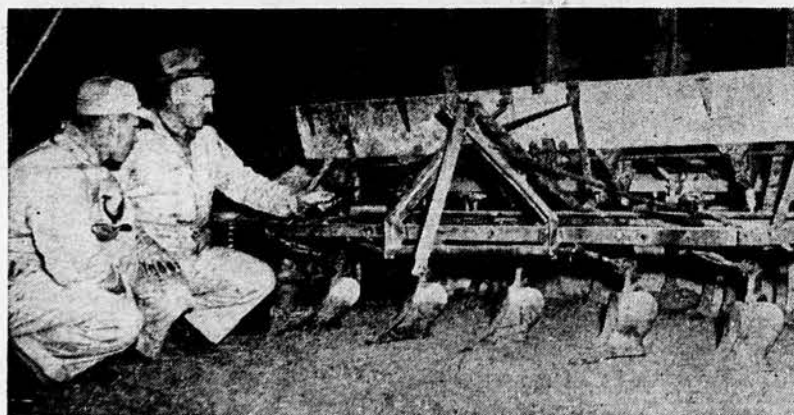
Farmers in Western and Southwestern Kansas are reporting that young alfalfa stands are being spotted by the pea aphid. The spots look something like frost-damaged areas, with leaves turning a reddish color.

Spraying or dusting affected spots with nicotine sulfate is suggested by Dr. E. G. Kelly, Kansas State College extension entomologist. Use of a brush drag over the field also will help considerably.

A State Champion

A state champion record has been made by Keith W. VanHorn, Sabetha, on his registered Guernsey cow, Vansdale Crusader's Scarlet. This cow produced 10,340 pounds of milk and 589 pounds of butterfat while on test for 305 days, twice a day milking, and while carrying a calf. This is the highest Guernsey record in the state by a 5-year-old under similar conditions. The sire of this cow, Skyline Crusader, has 7 daughters in the Performance Register of the American Guernsey Cattle Club.

Builds a Planter



THIS 6-row planter looks like a hybrid between a lister and a grain drill. It was built on the Jerry Gollher farm, Meade county, by his son-in-law, Harold Holt. Mr. Gollher, right, shows the machine to A. E. Harris, county agent. The supply box was built from sheet metal. Built into it is seed-regulating equipment from a drill. Unit-tiller lister bottoms are used for furrow openers.

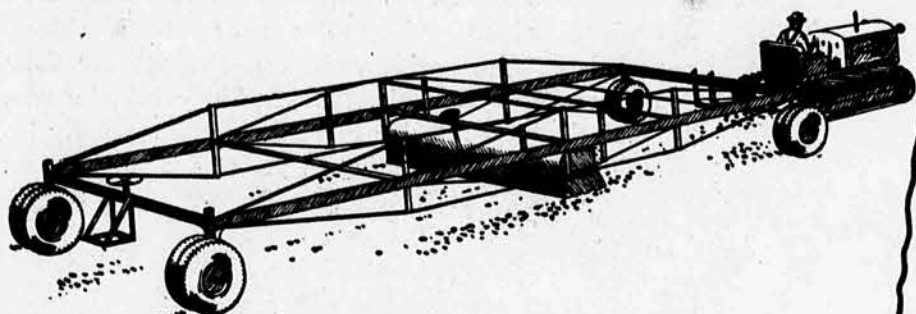
When planting maize for feed, it will make 18-inch rows. When planting for grain, every other hole will be closed, making 36-inch rows. This equipment will make relatively shallow furrows. But Mr. Gollher believes there will be sufficient ridge to harrow the crop once.

There are no wheels on the machine. It will be raised and lowered hydraulically from the tractor.

IDEAS

from a neighbor's farm

Safeway's Farm Reporter keeps tab on how farmers make work easier, cut operating costs, improve crop quality. Safeway reports (not necessarily endorses) his findings because we Safeway people know that exchanging good ideas helps everybody. More than a third of our customers are farm folks.

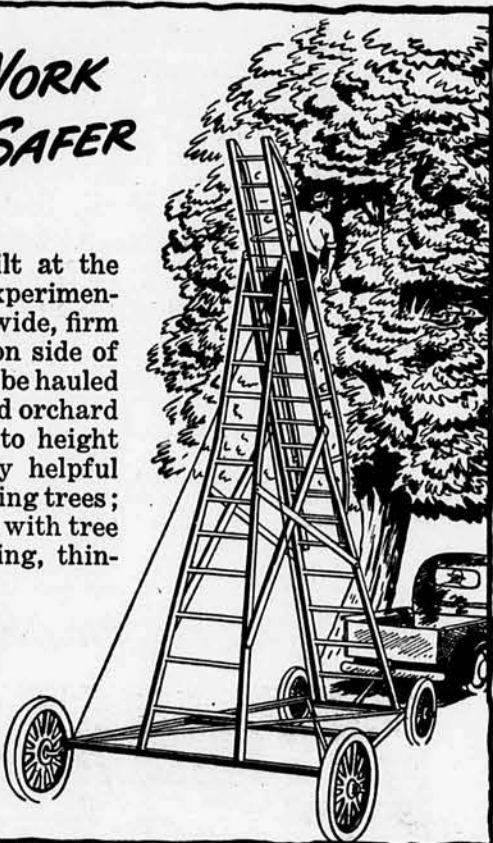


SMOOTHES LAND "WRINKLES" —IMPROVES IRRIGATION

Several versions of this land leveling machine have been developed by and for western farmers. Run over irrigable fields, as a finishing operation, it knocks off high spots and fills in low spots more efficiently than the usual drag or float. Conserves natural soil moisture; cuts irrigation costs by permitting direct flow of water through straight-line ditches; makes for uniform crop ripening. Length of metal frames averages 50 feet; many are longer. Bucket or blade in center is adjustable to desired land level. Wheels can be hollow metal or rubber mounted. Only one operator is needed—to drive tractor which pulls machine.

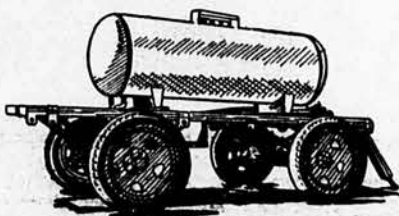
MAKES HIGH WORK IN ORCHARD SAFER

This portable ladder built at the University of Arizona Experimental Farm (1) provides a wide, firm base and hand supports on side of ladder, for safety; (2) can be hauled easily from tree to tree and orchard to orchard; (3) extends to height of 20 feet and is equally helpful among young or low-growing trees; (4) is handy for any work with tree crops—pruning, pollinating, thinning, harvesting—where it is not practical to lean ladder against branches. Ladder was originally designed for pecan harvesting. It is mounted on old car frame, has extra wide rear axle.



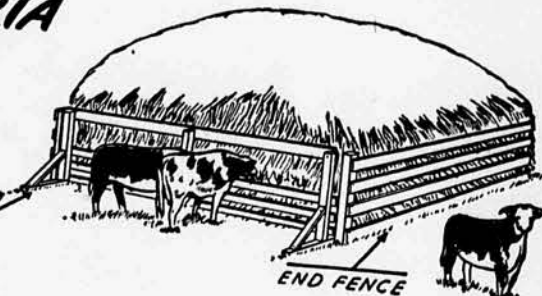
RANCH MACHINES FUELED IN FIELD

To conserve field working time during seedbed preparation and harvesting, Tom Sills, rice and grain grower at Rio Linda, California, had this portable butane tank built to his own design. Rubber tires and old auto springs ease jolts as tank is hauled through fields behind tractor or truck.

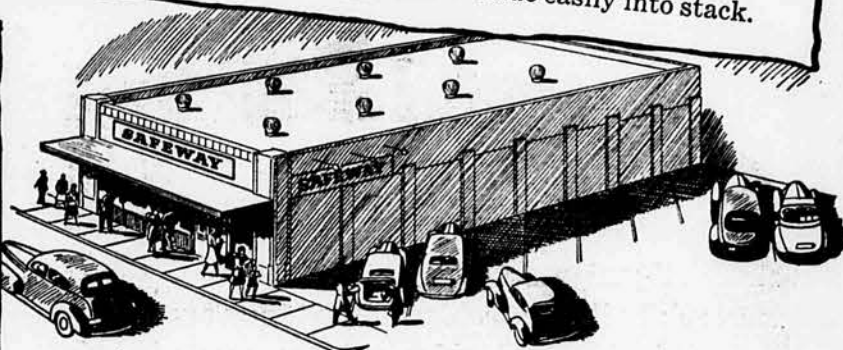


HERE'S CATTLE FEEDING CAFETERIA STYLE!

SELF-FEEDER RIG
ON RUNNERS



By means of this self-feeder rig, E. J. Cantonwine of Walla Walla, Washington, has fixed it so his cattle keep haystacks tidy as they eat . . . saving pitchfork work and waste of hay for Mr. Cantonwine. Two sides of stack 17 feet wide are fenced in as shown. Then self-feeder rig on runners is set between the fencing at one or both of other two sides. When cattle put heads through space between top bars of feeder their efforts to reach for more hay automatically keep feeder shoved close to stack. Top of stack remains intact, protecting eating quality of hay. Stacks are kept fairly low to avoid cave-in from undercutting. Feeder is 5 feet high, made with 4" x 4" posts and 2" x 6" boards; runners are 6 feet long, with ends shaped to slide easily into stack.



A GOOD SAFEWAY IDEA IS PARKING LOTS ALONGSIDE STORES

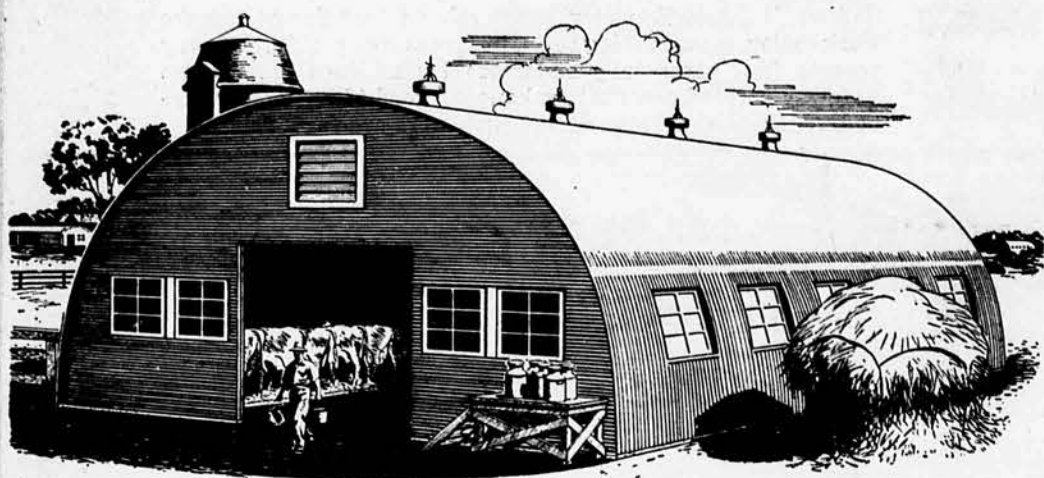
Have you noticed how many Safeway stores now provide a special lot, convenient to the store, where customers can park their cars? That's because more and more families come shopping by car these days. All Safeway stores built in recent years have parking lots.

This is part of Safeway's modern plan of retailing good food—another reason why so many families like to shop at Safeway. Your family benefits, of course, on both the consuming and producing ends. For the more food Safeway sells the more food Safeway can buy from producers—and at prices producers like to get.

- Safeway buys direct, sells direct, to cut out needless "in-between" costs
- Safeway buys regularly, offering producers a steady market; when purchasing from farmers Safeway accepts no brokerage either directly or indirectly
- Safeway pays going prices or better, never offers a price lower than producer quotes
- Safeway stands ready to help move surpluses
- Safeway sells at lower prices, made possible by direct, less costly distribution . . . so consumers can afford to increase their consumption

SAFEWAY—the neighborhood grocery stores

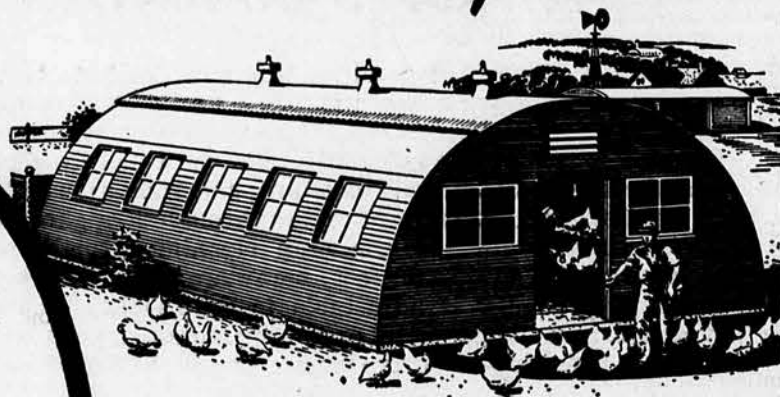
Need a Dairy Barn?



QUONSET IS IDEAL

It's 40 feet wide, by any desired length (60, 80, 100 feet, etc.). Its clear-span construction, making use of Stran-Steel arch ribs, leaves the entire floor area usable, unobstructed by columns or posts. Each end wall is equipped with a big, free-sliding door, four windows and ventilating louvers. Side-wall windows, insulation and interior furniture can be quickly installed to fit the building to your particular needs.

Need a Poultry House?



QUONSET IS JUST RIGHT

The width is 20 feet; the length whatever you need, in 12-foot sections (24, 36, 48 feet, etc.). The standard end walls are equipped with a walk door, two windows and ventilating louvers. Seven-foot doors, solid end walls and side-wall windows are also obtainable. The Quonset 20 is ideal for use as a poultry house—and for any other farm purpose for which its 20-foot width is suitable.

*Half-Round Buildings
for All-Round Utility*

Quonsets* ARE THE ANSWER TO YOUR FARM BUILDING PROBLEMS

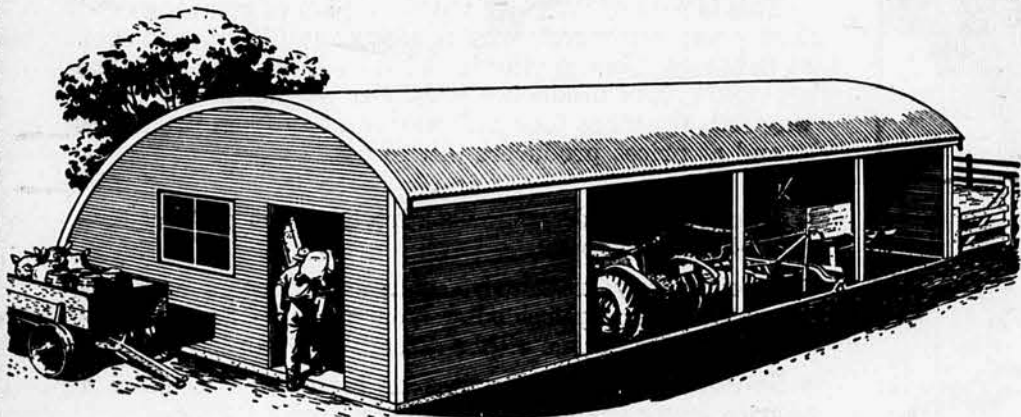
All-steel, all-purpose Quonsets provide the answer to the farmer's building problems. And they are the *ready* answer—quickly obtainable, quickly erected, quickly adapted to serve any one of scores of specialized uses.

*REG. U.S. PAT. OFF.

Need an Implement Shed?

QUONSET IS THE ANSWER

Perfect shelter and easy access are provided in this model, 24 feet in width, built up to any length, in sections of 12 feet. In any section you can have a sliding door, solid panel closure or open front. Solid end wall, or end wall with door and window, is obtainable.



See your nearest Quonset dealer for complete information.
(For his name and address, inquire of us by postal card.)



GREAT LAKES STEEL CORPORATION

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UNIT OF NATIONAL STEEL CORPORATION

Holstein Breeders Meet

Quality Evident in Second Annual State Show

MORE than 100 of the finest Holsteins in Kansas were assembled at the Free Fair grounds in Topeka May 9. It was the second annual all-Kansas Black and White show, with the highest-ranking individuals from each of the 10 districts in the state represented. Quality of the cattle in the show indicated that Kansas breeders will give other states some real competition during the show circuits this fall.

A dinner at the Kansan hotel the evening of May 8 preceded the show. Glen Householder, with the Holstein-Friesian association, of Brattleboro, Vt., was the principal speaker. He also was judge of the show at the fairgrounds the following day.

With 5 women entered in the state milkmaids' contest, 2 Topeka women won top honors. In first place was Mrs. S. E. Kincaid, who milked 14.9 pounds of milk in 2 minutes and 45 seconds. Miss Marjorie Frankie was runner-up with 8.2 pounds of milk in the same time.

High-placing animals with their owners were:

Bull calves: First, Quin-Lynn Smokie King, Quentin Kubin, McPherson; second, C P R Beauty, C. P. Regier, Peabody; third, White Farms King Mercedes, White and Smith, Topeka.

Yearling bulls: First, Colony Vronka Sir Hengerveld 35th, Leo H. Hostetler, Harper; second, Clyde Hill King Fobes Piebe, Martin and Raymond Ohlde, Linn; third, St. Marys Billy John Mollie, St. Marys College.

Two-year-old bulls: First, Quin-Dale Triune Smoky Joe, Dale Kubin; second, Sir Homestead Mabel Posch, Oscar Ohlde, Palmer; third, Macksimum Tovarich Homestead, T. Hobart McVay, Nickerson.

Aged bulls: First, HRW Homestead Pontiac Triune, E. B. Reiger, Whitewater, and Heersche Brothers, Mulvane (this bull weighed 2,675 pounds); second, Clyde Hill Bess Fobes Lobella, Ambrose Kaelzer, Seneca; third, Heersche Triune Commander, Earl A. Boyle, Belle Plaine.

Heifer calves: First, Greta Blood Royal Ormsby, owned by Maxine

Fickel, Chanute 4-H Club girl; second, Thonyma First Maudlene, Ernest A. Reed and Sons, Lyon; third, Valla Vista Bettie Marshall, Alan L. Phillips, Manhattan.

Junior yearling heifers: First, Valla Vista Diana Hattie Mercury, K. W. Phillips and Sons; second, Mt. Joseph Tidy Bess, St. Joseph Home, Abilene, Harold Scanlon, herdsman; third, Macksimum Marshall Fairy Madcap, T. Hobart McVay, Nickerson.

Senior yearling heifers: First, Thonyma Dictator Fairy, Ernest A. Reed and Sons; second, Reservoir Alice Tritomia, Leo F. Fickel, Thayer; third, Glenlane Triune Miss Pearl, W. F. Frerking, Herkimer.

Two-year-old cows: First, Thonyma Dictator Lilac, Ernest A. Reed and Sons; second, Bess Rag Apple Tidy, Clarence Quinn, Bennington; third, Onabank Snowflake Delight, M. A. Shultz and Son, Pretty Prairie.

Three-year-old cows: First, Bollman Helen Korndyke Ormsby, R. W. Bollman, Edna (this cow's twin sister placed ninth in the same class); second, Steinshire Starwood Inka, Dale Kubin; third, Collins Farm Inka Concentrator, Glenn A. Palmer, Topeka.

Four-year-old cows: Posch Ormsby Johanna Bess, E. A. Dawdy, Salina; second, Glenlane Triune Arleen, Wallace J. Beckner, Belle Plaine; third, Smoky Valley Billy Martha, Rolland Bircher, Ellsworth.

Aged cows: First, Madge Speckled Aurora, Grover G. Meyer and Sons, Basehor; second, Regier Supreme Fayne, E. B. Regier, Whitewater; third, Carol Star Colantha, B. C. Unruh and Sons, Pawnee Rock.

Produce of dam: First, produce of Regier Inka Florence, owned by Clarence Zarnowski, Newton, and E. G. Regier, Whitewater; second, produce of Bollman Vale Korndyke Ormsby, R. W. Bollman, Edna; third, produce of Hattie Babe Sir Billy, K. W. Phillips and Sons, Manhattan.

Get of sire: First, get of Low Ormsby Lad, R. W. Bollman; second, get of Meierkord Polkadot Triune Supreme, E. B. Regier; third, get of Carnation Imperial Tritomia, Leo Fickel, Thayer, and Dwayne Asher, Erie.

Nearly Half of Bindweed Now Under Control

EVERY cultivated acre in Kansas would be infested with bindweed by 1972 if it were not for the constant fight against it. This statement was made by T. F. Yost, state weed supervisor, at the annual meeting of county weed supervisors May 8 and 9, at McPherson.

During the 70 years before Kansas had a state bindweed program, said Mr. Yost, this weed has spread over 199,884.8 acres and was costing Kansas farmers an annual loss of \$1,499,136.

Now almost one half of bindweed acreage in the state is eradicated or under control. With a continued program, bindweed spread will be kept under control and the remaining acreage gradually will be reduced.

The combined progress by all counties shows that 91,760 acres of bindweed in the state is eradicated or under treatment as a result of 9 years of

work, it was pointed out. At the same time an active program of prevention is being carried out over the entire state with seed, feed, and nursery dealers, custom operators of equipment, as well as landowners.

In addition, weed supervisors are carrying on a battle against other noxious weeds and educating farmers to recognize them and to appreciate their danger, Mr. Yost said.

As part of the state prevention program, 3,214 combines were inspected during 1946, 3,450 feed dealers were inspected, 2,869 feed samples were analyzed and 138 nursery dealers were inspected.

At present 43 per cent of landowners in the state who had bindweed on their farms now have it eradicated, and another 29.4 per cent have all or some bindweed under treatment. Less than 29 per cent are non-co-operators.

Those attending the annual meeting at McPherson heard talks on all the latest methods for eradication of bindweed and other noxious weeds and visited the bindweed experimental field at Canton to study experimental results of eradication programs.

Seven commercial companies displayed their weed-killing equipment during the session and nine 2,4-D commercial companies displayed their weed-killing chemicals.

Makes High Record

A registered Guernsey cow, Fern Hill Plowman's Katrina, has made a state champion record for her owner, J. L. Nelson, Wichita. She produced 10,206 pounds of milk and 502 pounds of butterfat in 305 days. She was milked twice daily and was carrying a calf. It is the highest record in the state by a junior 4-year-old Guernsey. The sire of this cow, Caumsett Plowman, has 4 daughters and 2 sons in the Performance Register of the American Guernsey Cattle Club.

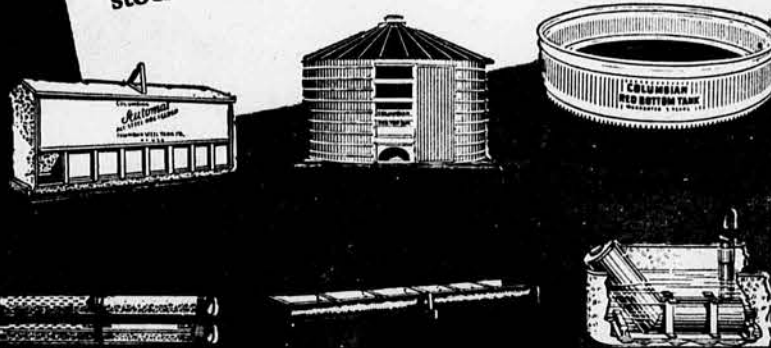
Berry Season Is Here!

Perfect jelly and preserves are evidence of careful adherence to known principles. The booklet, "Homemade Jellies, Jams, and Preserves," by food specialists in the Bureau of Home Economics, Washington, D. C., gives step by step directions in making these delicacies. These are easily followed. Besides recipes for various fruit jellies, preserves, marmalades, jams, conserves and fruit butters, space in the booklet is devoted to ways of stretching sugar in making these spreads. Also there are recipes for extracting pectin from fruit and using this pectin. This bulletin may be ordered from Farm Service Editor, Kansas Farmer, Topeka. Price 10c.

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Precision engineered and quality built of top grade materials, Columbian Farm Products are famous for their sturdy, long-lasting features. Day after day, year after year, they save time and labor and make chores easier for farmers and livestock raisers throughout the Middle West. The years of extra service they assure means less cost per dollar invested. They help you to realize greater profits by enabling you to care for livestock better — feed and water more efficiently.



★ Columbian Red Bottom Stock Tanks are available now. As materials become available Columbian will be among the first to bring you long-lasting farm equipment. Keep in touch with your Columbian dealer.



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Parke-Davis Blackleg Bacterin Formalized
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Parke-Davis Mixed Bacterin (Bovine) Formula No. 1
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DRUG STORES SELL PARKE-DAVIS PRODUCTS

Get the *Extra* Pork that's in Your Feed

Feed Morton's Free Choice Salt



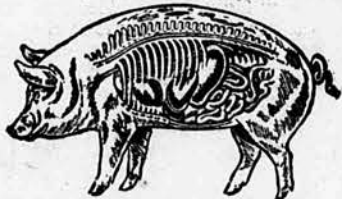
Here are the facts... no guess work... no "maybe's". Closely supervised and impartial feeding trials run in 1945 and 1946 by a nationally known and accredited institution proved...

—that hogs fed salt free choice made 150 lbs. of gain with the same feed as against only 100 lbs. of gain from hogs fed no salt.

In addition, hogs fed salt free choice reached 200 lbs. in less than 180 days... 100% faster than those who got no salt. Read all the details in the booklet described below. Send for your copy immediately—plan now to get the extra pork that's in your feed this year.



Here's why hogs put on faster gains when fed salt free choice. Salt is more than an appetizer. It is vitally needed, absolutely necessary, for the proper digestion of the proteins, fats, and carbohydrates in the feed... and for quickly converting these elements into pork.



Hogs that do not get enough salt simply cannot convert the feed they eat into pork as quickly as do hogs who get salt free choice. "Free Choice" hogs eat better—look better—put on weight faster.



Remember... all livestock do better and are more profitable when fed salt free choice. Beef cattle—dairy cows—sheep—are no different than hogs in that free choice salt helps them convert feed into profits much faster—and as nature intended.

Every farmer and feeder should have this practical, well illustrated, 40-page book which tells, in detail, how to feed salt for the greatest gains. Not only tells how to feed salt free choice, but also provides plans for making practical, economical salt feeders. Only book of its kind—and it's free for the asking. A penny postcard will bring your copy by return mail, postpaid. Morton Salt Company, 310 S. Michigan Avenue, Chicago 4, Illinois.



MORTON'S Free Choice SALT

MORTON'S Free Choice Salt is especially developed for more profitable livestock feeding. It's pure—easy to feed and easy to use for mixing. Be sure to ask your dealer for it BY NAME... MORTON'S Free Choice SALT.



EASY TO FEED... EASY TO MIX
MORTON'S Free Choice SALT

More New Outlets For Farm Products

FARMERS today are facing the tremendous problem of adjusting expanded wartime production to peacetime needs. New commercial uses for farm products might aid in this conversion program. This was pointed out by Louis B. Howard, of the U. S. Department of Agriculture Research Administration, when he discussed the results of 4 regional research laboratories, which started to work in 1941. His speech was made at the 24th annual agricultural outlook conference in Washington, D. C.

The laboratories were established to search primarily for industrial outlets for agricultural commodities. But they work on any program that gives promise of expanding or increasing the outlets for farm products. They aided in wartime research. One result was a more rapid means of producing penicillin. It was done by feeding the mold which produces penicillin on a new diet of 2 agricultural products. One is corn steeping liquor, a by-product from the manufacture of corn-starch. The other was lactose or milk sugar.

About 6 million pounds of milk sugar valued at \$1,560,000 are used annually in producing penicillin. At the same time it requires about 12 million pounds of corn steeping liquor worth \$234,000. In 1945, about 100 million dollars worth of penicillin was manufactured.

Wartime research also showed that better tire cord can be made from cotton. It is done by selecting varieties of cotton specifically for the purpose on the basis of their physical properties. Passenger-car tires made from selected varieties of cotton were subjected to strenuous tests. They ran more than 68,000 miles, with one recapping, at a sustained highway speed of 60 miles an hour.

For cotton growers to benefit it will be necessary to grow the variety that possesses the characteristics needed.

Then there is a bright future promised for the lowly buckwheat plant. Rutin is extracted from the leaves and blossoms of the green plant. This drug is used for treatment of persons suffering from high blood pressure associated with increased capillary fragility.

Mr. Howard estimated it would re-

quire about 10,000 pounds of rutin to meet experimental demands for the drug in 1947. That would require the production of about 50,000 acres of buckwheat.

There also may be a good use for chicken feathers in the future. Keratin or chicken-feather fiber has been developed. It is not yet practical because the wet strength is too low. But when fully improved it could save some of 175 million pounds of feathers now wasted each year.

Several other fibers show promise. One is "zein" made from gluten of corn. It is expected to be suitable for blending with rayon, cotton and wool for knitting yarns and woven fabrics. "Sarelon" is another of these. It is made from peanut-protein fiber. It may be used alone or mixed with cotton or wool. Like most synthetic fibers, its major weakness is low wet strength.

A mixture of 60 per cent ground corn cobs and 40 per cent whole rice hulls has been found useful as a soft-grit blasting material. It was substituted for hominy grits when food was scarce during the war. The Navy was using hominy grits to clean carbon from aircraft engines. The new blasting material cleans carbon, oil and other deposits from metal surfaces leaving a clean, dry surface without grinding away or reducing the size of the cleaned part.

Of course, the use of sweet potatoes for production of starch and for production of livestock feed is not new, but there is much room for further development. And room also remains in the development of motor fuels from agricultural by-products like corn cobs and cottonseed hulls.

This is just a glance at the picture. During wartime alone more than 150 research projects dealing with the use of agricultural commodities were carried on.

It will require time to change cropping systems to meet industrial demands, Mr. Howard reminds. He expects the change to develop slowly over a period of years as the industrial markets are established, and as farmers become acquainted with the production of crops for industrial use.

Earn \$100 Scholarships

TWENTY-TWO Kansas 4-H Club members have been announced as winners of 1946 Carl Raymond Gray scholarships. These \$100 awards are made each year by the Union Pacific railroad, and are to be used for educational pursuits in agriculture and home economics at Kansas State College. Scholarships are based 50 per cent on project work, 25 per cent on scholastic standing, and 25 per cent on character, interest, qualities of leadership, and community and school activities.

The recent winners are: Fred Warren, Brown; Harold Dalrymple, Cloud; Maxine Cooley, Dickinson; Joan Long, Ellsworth; Joe Morgan, Geary; Alwyn Ginther, Graham; Alice Mae Barker,

Jackson; Marvin Young, Jefferson; Lorne Heine, Lincoln; Harold Gentry, Mitchell; Nellie Bauman, Nemaha; Carolyn Mischler, Osborne; Clayton Comfort, Ottawa; Merle Max Orsborn, Pottawatomie; Merle Chalmers, Riley; Dorine Heitschmidt, Rooks; H. Dale Johnson, Saline; Bernard Barr, Shawnee; Frank Mosier, Sheridan; Donna Belle Wade, Thomas; Claire Ann Kvasnicka, Trego, and Betty Storer, Wyandotte.

Alternates are: Gladys Small, Brown; Mary L. Collins, Cloud; Marlayne Worcester, Graham; Jeanne Frisbie, Jefferson; Mary Wendland, Riley; Clyde Grover, Rooks; Gerald Knowles, Saline; Donna Gies, Shawnee, and Doren Follis, Sheridan.

Tries Grass Farming On Large Scale

AN INTERESTING experiment in grass farming on a large scale is being tried out by Elmer Imthurn, Wabaunsee county rancher. Three years ago he began changing his farm over with brome, alfalfa and sorgo replacing wheat and corn on his good bottom land. His cattle program is being changed from deferred feeding to production of feeder yearlings.

The change-over was completed this year. This is how the new setup will operate. Seventy-five acres of alfalfa and 40 acres of sorgo will be used to produce roughage for winter feeding. Three hundred acres have been seeded down to brome, which will be used to supplement 1,000 acres of native blue-stem pasture.

Cattle will be kept in the fields all year except in the most severe weather and all feeding will be done in the field. "Cattle are cleaner, healthier, and better satisfied in the field with natural

tree shelter than they are in the lots and sheds," says Mr. Imthurn. In addition, he states, he will have considerably less money invested in buildings and their maintenance.

Carrying capacity of the ranch has been increased 100 head, or about 25 per cent, under the new grassland farming plan, and need of a year-around man has been eliminated. Mr. Imthurn now can get along with day labor during peak work periods. His labor season will be intensive but short.

Mr. Imthurn is not overlooking the fact that his net returns from the ranch may be somewhat smaller under this system in good years than would be possible with deferred feeding. However, he sees the following advantages: Elimination of uncertain grain production, less risk, less investment in buildings and equipment, less year-around labor and more certain maintenance of soil fertility.

*Recommended
by farmers
who know!*

**Super Six
MASTER**

FOR STANDARD
4 WHEEL TRACTORS



*Gets Under
the Load
and Lifts!*

A hydraulically powered farm tool for heavy duty service when mounted on standard 4 wheel tractors. Precision engineered and dynamically balanced for maximum efficiency. Utilizes to the fullest the exclusive Super Six principle—"Gets under the load and lifts!" Equalized action keeps load-weight distributed over entire frame—no stress or strain centered on tractor or axles. Six sturdy attachments easily perform most burdensome farm tasks.

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SENIOR**

FOR STANDARD
ROW CROP
TRACTORS



A time-tested and farm-proven loader, precision built for standard row crop tractors. Its powerful lift arms are "steel muscles" that never tire. Dynamically balanced to perform the hardest tasks with minimum power, and least wear on tractor. Load-weight distributed over entire tractor frame—no strain centered on tractor or axles.

**Super Six
CUB For Junior Tractors**



A slightly smaller version of its "big brother" above and designed for smaller row crop tractors. Rugged, efficient, dependable. Note there is no awkward overhanging structure—no cables, chains, or pulleys. Soundly engineered and dynamically balanced for maximum service.

SUPER SIX MFG., INC.
MINNEAPOLIS 12, MINNESOTA

Marketing Viewpoint

C. P. Wilson, Livestock; George Montgomery, Feed Grains; Paul L. Kelley, Poultry, Eggs, and Dairy.

I have a bunch of 125-pound shoats. When should I plan to sell?—A. L. B.

Hog prices are expected to be steady to strong during late May and June and to advance during July and August. Last fall's pig crop, which will furnish the bulk of the market supply during the next two months, was quite small. The number of sows to be marketed this summer also will be small. This light supply indicates a strong market this summer. Prices probably will not return to the peaks reached earlier this year, but by August prices should be considerably above early May levels. After early September, prices may drop sharply. Demand may be easing off and supplies will begin increasing rapidly. August should be a good time to plan to sell.

Will there be a support program for turkeys during the 1947-48 marketing season?—J. K.

The Government recently announced a price-support program for 1947 crop turkeys marketed during the period October 1, 1947, thru January 31, 1948. The support price probably will be announced about October 1 and will reflect a national average price of 90 per cent of the September 15 parity price for turkeys. The support prices will vary according to zones. The present price support for breeder stock ends June 30, 1947. The Government has also announced that there will be no support program for breeder toms or hens during 1948.

I hear a good deal of difference of opinion about the probable price of wheat when the new crop starts to move. What do you think it will be?—F. L.

In view of the forecast of the largest wheat crop on record, sharply lower wheat prices at harvest time might be expected. However, there are other things which will tend to overshadow the effect of the size of the crop. Loans at 90 per cent of parity will be available on new wheat. It appears that the loan rate may be near \$2.00 per bushel at Kansas City or about \$1.80 on farms. It is doubtful if prices go below the loan rate for any length of time.

A second factor of importance is the outlook for exports. Exports may be as large or even larger than during the present year. If so, wheat prices may remain above the loan rate. Farmers probably will be slow sellers, even at high prices, because of the income tax situation. Millers, the Government, and foreign purchasers may buy aggressively because of shortage of wheat in each of the recent seasons.

Well Equipped

Ness county farmers enjoy more than one tractor to the farm, according to latest assessment figures for the county. There are 1,192 tractors on the 936 farms in the county, records show. In addition, these farms have 1,002 motorcars and 906 trucks.

A total of 278 farms in the county have electricity, mostly individual farm plants; 248 have running water in the home, 802 have radios and 633 have telephones.

Farms in Ness county, like other counties, are getting larger, too. Of the 936 farms only 52 have less than 100 acres. One hundred eighty have 100 to 199 acres and the other 623 farms have 200 acres or more.

Boost Soil Saving

Soils contractors in Central and Western Kansas have taken to advertising, to point out the value of soil-conservation practices and payments offered by the Federal Government.

Four such soils contractors went together recently and ran page ads in weekly newspapers in their area. These ads listed practices for which payments are made, and gave the amounts of the payments for each practice. The ads urged farmers to sign up for farm plans.

An aggressive program by these soils contractors is expected to speed up the job of getting soil-conservation work under way on more farms over the state.

LAYING HOUSE BOUND



With
**GOOCH'S BEST
GROWING MASH**

For big strong, early maturing birds—ready for a strenuous job of egg production—follow-thru in your feeding program!

Remember it takes only about 7 lbs. of GOOCH'S BEST Growing Mash, along with your grain, to make a six weeks bird into a profitable layer. That puts

them at peak production when egg prices are highest.

Start the GOOCH Feeding Program today by visiting your local GOOCH DEALER.

A GOOCH GIFT

Here's GOOCH'S Gift for you! An attractive, handy Delta Silverite Lantern. Get yours by mailing 10 Analysis Tags from GOOCH'S BEST GROWING MASH to Gooch Feed Mill Co., Lincoln, Nebr.



**GOOCH'S BEST
GROWING
MASH**

WARNING!

**USE ARCOL QUICK
TO PREVENT**



BLOODY COCCIDIOSIS

The quicker you act, the smaller the losses!

Here's why: The first few infected birds pass out immense quantities of Coccidiosis parasites. These parasites are picked up by the other birds and spread the disease rapidly through the flock... cause many more infected birds... many more hemorrhages... much greater losses!

So here's what to do: At first signs of ruffled feathers or bloody droppings, use ARCOL in the drinking water for the entire flock. ARCOL acts quick, prevents spread of Bloody Coccidiosis... helps check bleeding... cuts losses to a minimum. ARCOL is a convenient liquid. All it takes is a teaspoonful of ARCOL to a quart of drinking water in any kind of fountain. It's palatable.

DON'T WAIT UNTIL YOU BEGIN TO LOSE BIRDS



**FOR USE IN THE
DRINKING WATER**

Delay often means disaster, for coccidiosis parasites destroy the lining of the blind intestines, causing birds to bleed to death. Keep ARCOL at hand, so you can use it right away in an emergency.

Get a bottle of ARCOL today at your hatchery, drug store, feed or poultry supply dealer. 6 oz., \$1; Pint, \$2; Quart, \$3.50.



ARCOL

The QUICK-ACTING Drinking Water Medicine, for Prevention or Control of BLOODY COCCIDIOSIS in Chickens and Turkeys.

Made by THE GLAND-O-LAC CO., Omaha, Neb.
Manufacturers of FUNJOL, the Famous
Drinking Water Antiseptic for Poultry.

Flying Farmers

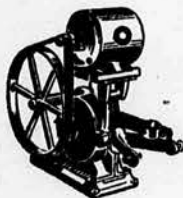
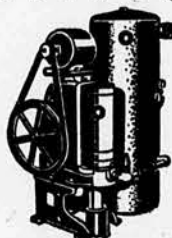
(Continued from Page 4)

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Provide plenty of water for family, livestock, garden. Automatic, quiet, powerful construction, precision-fitted parts. Low-cost operation. Easy and simple to install.

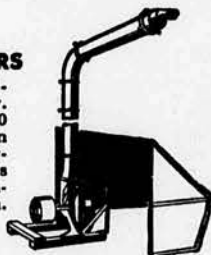


PUMP JACKS

Powerful, smooth running jacks—power to draw water quickly from deep wells. Easy to connect and operate. Give years of service.

GRAIN BLOWERS

Compact, dependable—high capacity. Handle 800 to 900 bushels of small grain per hour. These blowers dry and clean as they elevate—with-out injury to grain.



IMPROVED WINDMILLS

Pump in the lightest breeze. Simply constructed, powerful, run in oil. Ten outstanding improvements make U.S.-Challenge windmills greater values than ever.



PORTABLE GRAIN ELEVATORS

Handle 500 to 550 bushels of small grain per hour, standard length 18 feet (extensions available, easily installed). Single chain elevator, rigidly constructed, compact.

WOOD TANKS

Fir or redwood, extremely durable. Adequate hoopage for maximum strength. Standard sizes or built to your specifications.



UTILITY HOUSES



All-purpose—useful as poultry houses, storehouses, temporary living quarters. Standard size 16 by 24 ft., 8 ft. extensions available. Well built, durable.

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U.S.-CHALLENGE COMPANY

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Dealer Inquiries Invited

More than a year ago Kansas Farmer recognized the importance of the light plane on the modern farm. The result was the organization of the Kansas Flying Farmers Club at Hutchinson. More than half the states now have Flying Farmers Clubs. Kansas topped the membership list with 131 charter members at the initial meeting. Today, the voluntary enrollment has grown to nearly 200. And that figure by no means includes all the farm flyers in the state. But it does indicate the increasing popularity of planes among Kansas farmers.

But who are these Flying Farmers? They are the ordinary people you might meet any day of the week on most any farm in the state.

Leroy Moss, of Beloit, is one of them. He learned to fly near the close of World War I, but did not continue in aviation at the end of the war. Last August he purchased an Ercoupe and started all over again. Mr. Moss farms 1,200 acres in Mitchell county and rents wheat land out west in Wallace county. Here is a man who really loves to fly. And his plane saves him time on business trips.

A few weeks ago he had to drive his truck out to Wallace county. He would rather have flown out in the plane. "I am getting to an age where I tire more easily," he says. "I can do the same job in a plane in less time and it conserves my strength."

This will be a flying family. His son, David Moss, is a junior in the Beloit high school and started taking flying lessons when 13. He isn't losing any time. He will be 17 in July, old enough for a private license.

Two other sons, Dan and Joe, 12 and 14, will follow. They are the ones who love the funny stuff, Mr. Moss says. When flying with him these younger sons want to know how high it will go and what it will do in the air. And the chances are they find out.

The Ladies Fly, Too

Farm women are among the most enthusiastic when it comes to flying. When the Flying Farmers plan a tour you can bet that Mrs. Leta Betz will be there. Her pilot is her son, Jimmy Betz. They live on a farm near Asherville. They missed one day of the first state tour last fall. They had so much fun the other days they are not going to miss any more.

Mrs. Betz thinks these new planes are all right, but she still would rather fly in an open plane. They had an open-air Stearman before they got their new Cessna a few months ago.

Last year Jimmy invited flyers from his community to drop in at his home for breakfast one morning. They had a good time at the outdoor fireplace in the front yard. This year he is going to expand on the idea a little. Just let flyers know about a flight breakfast and they will come from miles around.

A year ago we took a picture of Jim Hurley's private landing strip near

Glasco. It was one of the neatest farm airstrips we had seen. We went back this spring and found his 1,000-foot buffalo sod runways had been increased to three fourths mile with alfalfa extensions.

Jim was just a private flyer a year ago, but the community needed a field for training purposes. He is providing the field and planes. At present he is building an 8-plane hangar on his farmstead, and flight training already is under way.

His sister, Frances Hurley Srna, lives on the farm with him. She is our cover girl this time for the Flying Farmer issue of Kansas Farmer. Last fall she went on the Flying Farmer air tour of the state as a passenger. Frances learned on the tour that flying develops a strong comradeship between farmers from all sections of the state. They all are "old buddies." She is strong for flight breakfasts, too. She thinks there should be more of them.

A Thriving Airport

Because a pasture on the Bernard Scherr farm, near Collyer, was chosen as an emergency landing field in 1930 by a Kansas City to Denver airline, that farm now has a thriving airport.

Mr. Scherr became interested in flying thru association with airline officials, but it was not until last May that he did anything about it. Then he put up a hangar for 2 local men who owned planes.

In February of this year, he leased the field to 2 ex-service men, Calvin Falkers, of Wakeeney, and William Porter Alcorn, of Wichita, and the field now is approved for GI training. Already there are 16 GI trainees and 8 civilians taking flight instructions and there are 9 planes stationed at the field.

As a result of this rapid expansion the men now are erecting a new hangar 68 by 100 feet. The old hangar, already outgrown, will be remodeled into a repair shop and there will be an A. and E. full-time mechanic employed. All runways are 2,500 feet long and graded. It is hoped the field will have CAA approval by June 30, says Mr. Scherr.

Farmers owning planes stationed at the field include Joseph Nedbalek, Collyer; George Parsons, Collyer; and George Galloway, Wakeeney.

Farmers taking instructions at the Scherr field include Otto Falkers, Wakeeney; Mr. and Mrs. Scherr, Collyer; Bill Truan, Wakeeney; Albert Malsom, Collyer; and Melvin Falkers, Wakeeney.

GI farm trainees include Wilbur Dolezal, Wakeeney; Alvin Mohr, Wakeeney; Keith Hockman, Wakeeney; Mathias J. Martin, Quinter; and Milton Mai, Wakeeney.

Earl and Art Richardson, of near Collyer, have their own planes, hangars and landing strips.

Joe Nonnast, of near Ness City, built a new farm hangar last winter. It is

(Continued on Page 27)

Elect F. F. A. Officers



NEWLY elected officers of the Kansas Association of Future Farmers of America for 1947-48 are:

Back row: A. P. Davidson, Manhattan, executive adviser; LeRoy Spicher, Simpson, reporter; Eugene Brinkman, Coffeyville, treasurer; L. F. Hall, Manhattan, executive secretary.

Front row: James Boucek, Ottawa, secretary; Harland Priddle, Haven, president and winner of first place in the state public-speaking contest; Bob Greve, Harper, vice-president.

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THEY ARE DIFFERENT!

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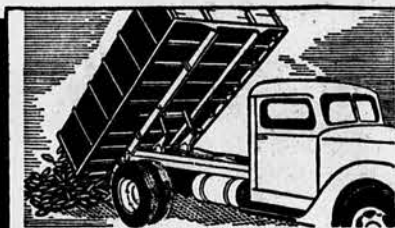
GARDEN TRACTOR

Adjustable wheel width . . . high clearance . . . simple power drive . . . functional design, balanced for easy operation . . . uses same detachable engine as mower.

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Dump IT HOIST
on your FARM TRUCK

Yes, PLAN your equipment buying. And consider the DUMP IT Hoist as an investment that will quickly pay for itself in actual cash savings.

If DUMP5 truck loads in 15 to 30 seconds; saves hours of sweating labor. Truck engine does the work.

Write for literature. See DUMP IT's superior features. We'll refer your inquiry to our dealer nearest you. Please give name of county you live in.

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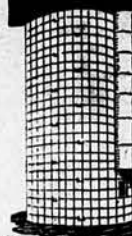
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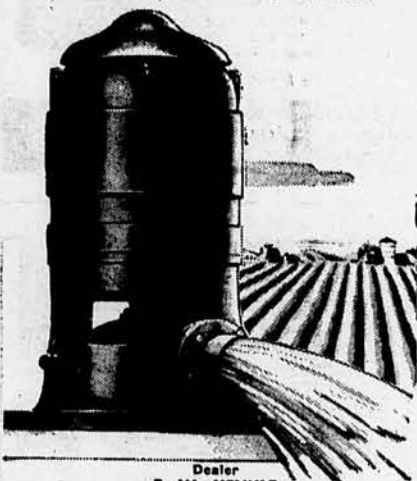
Don't take a chance of piling wheat on the ground, we have concrete stave GRAIN BINS for immediate erection. Write for Free Information.

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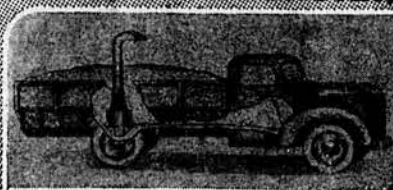
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Also with Augur Feed
WRITE FOR FOLDER

LINK MANUFACTURING CO.
FARGO, NORTH DAKOTA

Flying Farmers

(Continued from Page 26)

27 by 42 feet and part of it is used for machinery storage. He started his flying lessons a year ago and since has purchased a Taylorcraft, which he uses to fly over his farm to spot soil-erosion troubles, and on trips to get machinery repairs. He estimates that about one third of the plane's use is for business. Mr. Nonnast attended last year's Flying Farmer meeting at Hutchinson but did not have a plane. This year he and Mrs. Nonnast plan to fly to Hutchinson for the meeting in their plane.

Farmers around Ness City are taking to the air in droves, according to L. F. Fowler, of the Fowler Flying Service, at Ness City. A check of the field shows that about 35 farmers now are taking flight instruction. Two of them, Joe Nonnast and Neil McCoy, have finished the course and now have their own planes and farm airports. Mr. McCoy has an Aeronca Champion, purchased about 9 months ago. Another farmer, Melvin Peterselle, has just purchased a Cessna but hasn't soloed yet.

Some of the farm boys taking GI training at the Fowler port include Blair Erbert, Ness City; Frank Poser, Utica; Charles Mellies, Ness City; Melvin Beltz, Bazine; Bernard Hoss, Ness City; Edward Dietz, Ness City; Milton Witthuhn, Bazine; and Leonard and Melvin Hogsett, Ness City.

Other farmers taking instructions include Mr. and Mrs. Milton Baer, Ness City; Dudley Kanaga, Ness City; Walter Cleveland and Grover Rothe, Ness City; Lawrence Margheim, Ness City; Oral Anspaugh, Ness City; Fyrlin Moore, Bazine; Dale Sutton, Utica; Mrs. Melvin Peterselle, Ness City; and Louis Witthuhn, Bazine.

Better Service for Pilots

Personal plane transportation is developing rapidly. Cities and towns in the state are getting set for this modern mode of travel. They are building better airports as close to the business districts as possible. At the same time they are providing better service to the visiting pilots.

Since few light planes are equipped with low frequency radio receivers, one of the first official acts of the Kansas Flying Farmers' Club was to request more complete weather information over the state. Various weather bureaus co-operated. It brought results. Pilots now can check weather conditions over the state by tuning in on weather programs with their home receivers.

Virginia Lupfer, secretary at the new Larned airport, listens to these reports and posts them on the bulletin board each day. It is an added service that pilots appreciate. She gets reports from a Hutchinson radio station at 7:40 and 11:30 o'clock in the morning and at 4:05 in the afternoon. Then she jots down weather information from the Topeka station at 6:35, 9:25 and 12:25. Miss Lupfer is making the most of available weather information. Other airports could well follow her example.

Virginia is a farm girl. During the

war she served in the Marines. Since her discharge she has completed GI training for a private license and is working for a commercial license.

Better roads followed the wide use of automobiles. Private planes are becoming numerous over the state and adequate facilities for their proper use must follow.

Flying Farmers of Kansas will continue to promote the state-wide air-marking program, better landing facilities and even more dependable weather forecasting. It all adds up to safety in flying. And Flying Farmers are safe pilots.

Two Champions



Myron Brensing, a 4-H member, son of Mr. and Mrs. Jackie Brensing, of Maview Farms, Hudson, poses with his Milking Shorthorn cow, Roan Bessie 2072484 R. M., 3 times grand champion in the last 4 years shown at 4-H fairs. Last year she was shown at 2 county fairs, in which she took first and grand champion, and the state fair at Hutchinson in which she was in the blue-ribbon class and third reserve champion, and with all this milked 367.5 pounds of butterfat.

In the last 7 years Myron has always shown one or more Milking Shorthorn animals along with his other projects. He is starting his eighth year in 4-H and is a member of the Jolly Workers' Club, of Stafford county, of which Clarence Alpers and Mrs. Ruby Schrader are leaders.

Clover Beats Weeds

Sweet clover is replacing broom weed and sunflowers in sandy soil on the Orville Fergus farm, in southern Pawnee county. When Mr. Fergus bought his farm a few years ago, land next to the sand hills was hardly worth cropping. Sweet clover is changing that.

In the spring of 1944, he seeded 20 acres into sweet clover, using inoculated seed. The soil was not worked. The clover was seeded into the weeds with a wheat drill. The following spring it provided pasture for 35 head of cattle for 6 weeks. That summer he harvested enough clover to seed 90 more acres and had some seed left.

It was a dry summer for clover, but a good stand covered the soil beneath the dry weeds last fall. Next spring Mr. Fergus expects more pasture and at the same time will restore fertility in the soil.

Light Talk Brings Smiles



Two Flying Farmers exercise their sense of humor to get our cover girl this issue in a happy mood for a snapshot. They are Ellis Dinsmore, left, Clay Center, and Otis Hensley, Glasco. Enjoying their banter is Frances Hurley Srna, Glasco.



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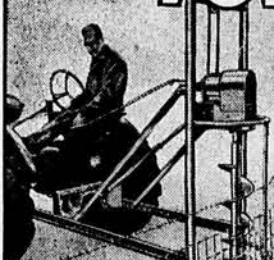
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Hear Feed Test Results

Helpful Ideas Come Out of Feeders' Day

KANSAS livestock men had a chance May 3, to hear detailed experimental results in feeding cattle, hogs and sheep. Reports on feeding trials at the Kansas Agricultural Experiment Station were given during the 34th annual Livestock Feeders' Day, at the college.

Appearing on the program, in addition to members of the college staff, were Fred Heine, Lucas, president of the Kansas Livestock Association; R. J. Eggert, associate director, department of marketing, American Meat Institute, Chicago, and Walter Atzenweiler, agricultural commissioner, Kansas City, Mo., Chamber of Commerce.

R. I. Throckmorton, dean of agriculture at the college, said: "Thru research in chemistry and genetics, the doors can be opened to vast fields of information that will lead to outstanding improvements in livestock and plant breeding, livestock and plant nutrition, and livestock and plant management and sanitation."

Much of the new research, said Dean Throckmorton, will be approached on a regional basis because of cost and will be financed by state and federal funds. A beef-cattle breeding project has been planned on a regional basis, he said. It is believed this type of research would lead to results of great value by developing types of animals better adapted to our environmental conditions and that would make more economical gains.

A pioneer Kansas stockman, Wilbur Emery Campbell, of Kiowa county, was eulogized by Dr. C. W. McCampbell, of the college department of animal husbandry, for his outstanding contribution to development of the livestock industry.

Per capita consumption of meat for 1947 now is estimated at 153 pounds, stated R. J. Eggert, of the American Meat Institute. This consumption of meat is largest since 1909. Mr. Eggert then predicted that livestock and meat values are expected to continue at high levels during the next few months, followed by greater than normal seasonal declines by the end of the year.

When Lambs Gain Best

Experimental feeding results were outlined as follows:

After feeding more than 2,000 lambs over several years it has been found that lambs fed rations composed of about 45 per cent concentrates and 55 per cent roughage, by weight, gained more than lambs fed either a less concentrated or more concentrated ration, reported Rufus F. Cox.

Rations containing less than 35 per cent concentrates failed to fatten lambs to desirable market finish. Rations with more than 55 per cent concentrates produced digestive disorders and death losses. Results were uniform regardless of the kind of concentrates and roughages fed.

Foxtail millet seed compared favorably with corn in fattening spring pigs on alfalfa pasture, reported C. E. Aubel. Foxtail millet seed ground thru a 3/32-inch screen produced only slightly less efficient gains, about 3 per cent, in feed consumed per 100 pounds gain, and only slightly less rapid gains than pigs fed shelled corn.

But foxtail millet seed ground thru a 1/16-inch screen made more efficient gains, about 7 per cent, and 6 per cent faster daily gains than shelled corn. Carcasses of millet-fed pigs were equal to corn-fed pigs.

Mixing finely ground millet seed with equal parts of ground shelled

corn made the most efficient ration tested, both as to feed consumed per 100-pound gain and in daily gains.

Mustardseed oil meal, when mixed with tankage and other protein supplements and self-fed free choice, proved to be an excellent protein feed for fattening hogs, Mr. Aubel stated. In all lots but one where mustardseed meal was fed, gains were somewhat cheaper than where tankage alone was fed, but gains were not quite so rapid.

Most economical gains were made by pigs getting a mixture of 40 per cent tankage, 40 per cent mustardseed oil, 10 per cent cottonseed meal and 10 per cent alfalfa meal self-fed. All lots were self-fed shelled corn, and alfalfa hay was self-fed to all lots except that getting the complex supplement ration mentioned above.

Check Rate of Gain

Two lots of heifer calves, classed good to choice feeder calves, were used to determine factors influencing rate of gain, quantity of feed consumed and carcass grade. Experiments were conducted by F. W. Bell, D. L. Mackintosh and A. G. Pickett.

Individual heifers in each lot were graded by using a standard feeder chart. They also were graded on a chart devised to provide a record of apparent differences in body capacity, chest room, heads, muscling, bone and general appearance. These means were used to provide a record of characteristics of each heifer as shown at start of test.

Heifers in each lot received the same kinds of feeds, consisting of ground corn, cottonseed meal and silage. Ground limestone was fed at the rate of 1/10 pound a head daily. Corn fed was increased gradually during the first 56 days until they were on full feed. Since then, all grain has been self-fed. Silage has been fed twice daily in the amount the heifers would consume.

To date both lots of heifers have consumed about the same amount of corn, but those in lot 2 have consumed more silage than those in lot 1.

When marketed, the dressing percentage and carcass grade of each heifer will be determined. When the trial is completed the following information will be available for each lot: Average rate of gain made by each heifer; quantity of feed consumed per 100 pounds of gain; market grades of individual carcasses; dressing percentage of each heifer.

Effects of cattle grub treatment on 5 heifers in each of 4 lots of 10 head were reported by F. W. Bell and George A. Dean. Treatment was with rotenone dust December 11, 1945, after a careful count of the number of grubs on each heifer. All other factors of feeding and management were the same.

On January 9, 1946, heifers again were checked and all treated heifers showing signs of grubs were again dusted.

Each lot of heifers was marketed when averaging about 850 pounds. Dates of marketing the 4 lots ranged from May 31, 1946, to July 30, 1946.

Carcass inspection after the cattle were slaughtered disclosed no grub damage to meat in either the treated or untreated heifers. Likewise, hides of untreated cattle failed to show more damage than those of untreated cattle. Both treated and untreated heifers showed the same gain in weight, with no benefit as the result of treatment.

In explaining these results, it was pointed out that since grubs normally emerge from cattle during late winter

Try Sweet Clover on Irrigated Land

ALFALFA has been used for years in the irrigated sections of the state with notable success in the crop rotation. There may be a place, too, for sweet clover on this irrigated land. If there is 2 Hodgeman county farmers intend to find out about it.

Carl Smith seeded regular spaced oats in irrigated ground this spring at the rate of 1 bushel to the acre. With it he seeded 10 pounds of sweet clover an acre. The oats will be harvested this summer and the sweet clover will be plowed under for green manure in May next year. He will follow with a sorghum for silage, then seed the field to alfalfa.

O. W. Lynnman is trying a similar method, except that he wide-spaced his oats this spring. He also seeded 1 bushel an acre but seeded about 11 pounds of sweet clover. He will follow with a rotation similar to that planned by Mr. Smith.



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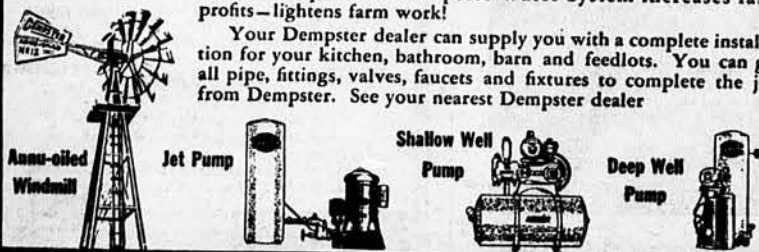
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and early spring, the greatest damage to hides and carcasses would occur before, or at the time grubs emerge. Since no carcass damage due to grub infestation was evident in the lot of heifers marketed May 31, it is indicated that treatment for grubs does not affect carcass value of cattle marketed after that date.

In a study on the influence of winter rations fed to steer calves upon returns from wintering and grazing, it was discovered that steers which made the largest winter gains tended to make the smallest pasture gains.

The wintering period was from January 17, 1946, to April 27, 1946, or 100 days. Grazing was from April 27, 1946, to October 12, 1946, or 168 days. Steers in the various lots were fed various amounts of silage, prairie hay and cottonseed meal. Experiments were conducted by A. D. Weber, F. W. Bell and A. G. Pickett.

This year saw completion of 2 years work to develop a standard system of fattening heifers for the summer (June to September) market. A third test now is in progress. Work done so far has dealt with the quantity of grain heifer calves should receive when fattened in the dry lot. Results to date indicate that the most satisfactory system is to feed a limited grain ration (one fourth to one half feed) during the winter, then full-feed grain for 3 to 5 months, beginning about April 15.

When a satisfactory dry-lot system has been developed, it will be used as a check in developing a system of fattening heifers for the summer market which includes pasture. Experiments are being conducted by A. D. Weber and F. W. Bell.

Another test was made this year with heifers for the summer or early fall market. This test compared results of heifers fed without pasture, with pasture, and cottonseed meal versus mustardseed meal for protein.

Five lots of heifers used received a full feed of silage, one tenth pound of ground limestone daily, and salt, during the wintering phase from December 5, 1946, to April 24, 1947. One lot was full-fed ground shelled corn and one pound of cottonseed meal the first 35 days, then increased to 1½ pounds. Two lots were fed a full feed of silage and one fourth feed of ground shelled corn. The only difference was that cottonseed meal in one lot was increased from 1 to 1½ pounds daily after 35

days. One of these 2 lots will be fed out in the dry lot this summer, but the other will go to grass first.

The lot getting a full feed of corn plus gradually increased concentrate made the greatest total gain. The lot getting a one fourth feed of corn but 1½ pounds of cottonseed meal daily after the first 35 days consumed only 25 per cent as much grain and cost of gains was \$4.39 less a hundredweight.

Mustardseed meal gave about the same gains as did cottonseed meal, but more tests need to be made before definite conclusions are drawn. Due to lower cost price, mustardseed meal made cheaper gains than cottonseed meal when fed at the same rate. These experiments were conducted by A. G. Pickett and A. D. Weber.

These 2 men also conducted tests on influence of winter rations and gains on subsequent pasture gains. In these tests comparison was made on relative values of atlas silage, oats straw and a combination of these 2 roughages. Also, between one pound of cottonseed meal and 4 pounds of alfalfa hay as a supplement to the above feeds. Use of roughage, protein supplement, and grain in a manner that will make for most profitable utilization of grass is the objective of these tests. Here are some of the observations to date:

About 3 pounds of silage was equal to one pound of oats straw in satisfying the steers' appetite for roughage. Silage as a roughage increased salt consumption at about 0.10 pound daily above that when oats straw was the only roughage.

Four pounds of alfalfa hay gave slightly better results than cottonseed meal when fed as the supplement to oats straw, but where oats straw was fed in combination with silage, cottonseed meal had a small advantage.

On a price basis oats straw was unprofitable as the roughage, since wintering costs were about as high as for silage and gains were lower. Current prices of both roughages would determine use.

Silage and one pound of cottonseed meal gave larger gains and more bloom than any other feed combination used. Lots getting oats straw as the only roughage finished in rather rough condition but strong and thrifty.

Steers getting oats straw and alfalfa hay had a definite craving for the alfalfa and cleaned it up, even when it was overripe and quite stemmy.

Three Tons in 6 Minutes Is Silage-Making Speed

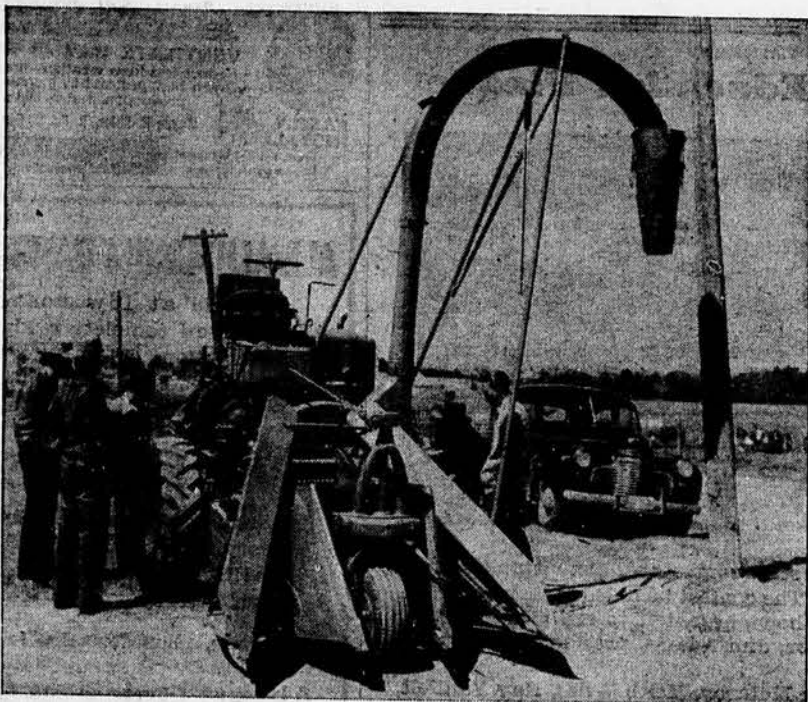
UNDER supervision of L. C. Aicher, superintendent, mechanics at the Fort Hays Experiment Station have designed and built a new silage harvesting machine that may set the pattern for future machines.

The new silage harvester is a self-propelled, 2-row field cutter with variable speed drive and powered with a 49-horsepower motor. Over-all weight of the machine is 7,600 pounds.

Last year the mechanics built the 2-row cutter but used it as a pull-type machine behind a tractor. Muddy fields

made it difficult to operate, but even as a pull-type machine the cutter rolled out silage at the rate of 3 tons every 6 minutes. It took 3 large hydraulic dump trucks to keep up with it.

Mr. Aicher believes the new self-propelled machine will do a better job in heavy ground and, of course, will not knock down any rows. If the machine proves as successful as now anticipated, similar machines no doubt eventually will be on the market for farmers with large sorghum acreages intended for silage.



Visitors at the Hays Roundup look over the self-propelled, 2-row ensilage cutter designed and built at the Hays station under supervision of L. C. Aicher, superintendent. This machine will harvest more than 3 tons of silage every 6 minutes.

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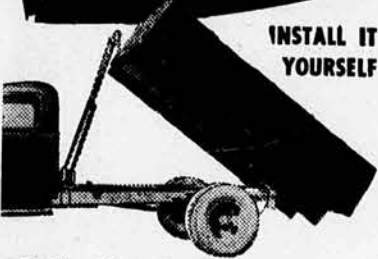
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dozens of vital uses through-
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Peerless Jet Pump operates
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part, reducing wear and the
need for repair. Savings in
time, health and ease of work
soon repay the small cost of a
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4-H Roundup June 5-9

By EULA MAE KELLY

THE 23rd annual and the first
"week-end" Kansas 4-H Club
Roundup, bringing together 1,000
top-flight club members from every
county in the state, will convene on the
campus of Kansas State College, Man-
hattan, June 5 to 9. The traditional
time of holding the Roundup was
changed somewhat due to the extreme
housing shortage and the final exami-
nation schedule at the college.

"Aside from the changed time, all of
the traditional features of Roundup,"
comments J. Harold Johnson, state
4-H Club leader, "will be very much
in evidence. Hundreds of green and
white uniformed delegates will dot the
campus, attend educational sessions in
the forenoons, play games on the col-
lege green, take part in informal good
times, and enjoy the annual banquet."

"We have worked out a plan for Sun-
day, June 8, that we think will be very
worthwhile. In the morning club mem-
bers and leaders may attend the church
of their choice in Manhattan. After
dinner at the college cafeteria, we will
load into cars for the drive to Rock
Springs Ranch, our state 4-H camp. A
carefree afternoon will be spent en-
joying the scenic beauty of camp, con-
cluded by a picnic supper and a vesper
service on the top of the hill."

Classes will be scheduled from 8 to
11 o'clock the mornings of June 6, 7,
and 9. Four classes will be for girls
alone, 5 offered to boys, and 5 more
for both boys and girls. Each club
member may attend 9 classes of his
choice. The official opening of the 1947
Roundup will be the evening meal on
Thursday, June 5. Following supper,
the traditional group picture will be
taken on the campus. Then at 7:30
o'clock the entire assembly will meet
in the college auditorium for the first
evening program.

Two assemblies will be held on Fri-
day and Saturday, one at 11 o'clock
and one at 1 o'clock. The second as-
sembly program will be broadcast from
Radio Station KSAC. Featured on the
program will be some of the outstand-
ing 4-H Club talent invited in from
the counties.

The annual Roundup banquet is
scheduled for Saturday, June 7, in the
college gymnasium. Novel living quar-
ters will be offered Roundup delegates
this year. Many of the girl club mem-
bers will be housed in the temporary
housing units known as "Splinter-
ville." Boys will be quartered in the
college gymnasium and the stadium.
All in attendance must be 14 years or
older.

Prominent among those attending
the 1947 Roundup will be the Wash-
ington trip winners who will leave im-
mediately following the Roundup to
attend the National 4-H Club Camp,
Arlington Farms, in Washington, D. C.,
June 11 to 18. The 1946 Washington
trip winners are: Norman Held, Great
Bend; Betty Jane Good, Winfield; La-
verna Lenhart, Abilene; and Dale Apel,
Longton.

Invitations have been sent to repre-
sentative blue-ribbon winners of dis-
trict 4-H day events to attend Roundup.

These invitations are based on quality
of presentation at 4-H day; county
4-H Club program; and distribution of
quotas.

Here are the county groups and the
events in which they will participate
at Roundup: Jefferson, Republic, La-
bette, plays; Sedgwick, Comanche,
chorus; Osborne, demonstration; Fin-
ney, band; Kingman, orchestra; Chero-
kee, Sherman, instrumental ensemble;
Franklin, Ellsworth, Ness, Ford, vocal
ensemble; Cowley, model meetings.

Blue ribbon 4-H promotional talk
winners who have been invited to
Roundup include: Barbara Hummel,
Dickinson; Marilyn Baer and Dale
Johnson, Geary; Norma Wohlgemuth,
Marion; Donald Hodgson and Pearl
Swartz, Riley; Phyllis Adele, Ottawa;
Charles Griswold, Marshall; Marilyn
Johnson, Sherman; Irene Cooper,
Sheridan; Raymond Walker, Norton;
Janice Shinner, Scott; Merton Rymph
and Norma Minson, Sedgwick; Phyllis
Bunker, Sumner; Viola McCullough,
Barber; Patricia Glover, Reno; Max
Heinly, Rice; Wava Lee Oswalt, King-
man; Donna Kay Anderson, Edwards;
Joan Northcott, Coffey; Andrew Drum-
mond, Chase; Virgil Silver, Osage;
Vera Barnett, Allen; Maxine Bushnell,
Montgomery; Wayne Doll and Ger-
aldine Stoskoff, Barton; Arlene Ack-
erman, Nemaha; Mary Freeland, Atchi-
son; Alden Loomis, Jefferson; and
Wilma Worthington, Pottawatomie.

Blend Butter Shades

Altho shades of butter color may
vary greatly depending on cattle
breeds, climate, and feeds, the cus-
tomer always gets butter of the same
shade of yellow.

This result is due to the fact butter
is shipped in bulk form from rural
areas all over the nation to chief
points of concentration like New York,
Chicago, San Francisco and Los An-
geles. There, butter no longer is con-
sidered a local product but a national
commodity. As such it must mingle
with butter from other dairy areas.

When bulk butter goes into the ma-
chines to be "printed" and wrapped, it
has to be of exactly the same shade.
Otherwise, the consumer would find
several shades of butter in every pack-
age. Standardizing the color is done in
the churning before packaging.

Garden Bulletins

Perhaps the following U. S.
D. A. bulletins may be of help to
you. They will be sent free upon
request to Bulletin Service Kan-
sas Farmer, Topeka. Please order
by number.

No. L-2—Cutworms in the Gar-
den.
No. FB-1673—The Farm Garden.
No. FB-1945—Pea Aphid on Peas
and Methods for Its Control.
No. FB-1957—Cauliflower and
Broccoli Varieties and Culture.

Win Agricultural Education Plaque



HIGH score in the over-all F. F. A. state contests at Manhattan was won
by the Beloit chapter of F. F. A. The contest included farm mechanics,
judging and all F. F. A. activities. Shown here, left to right, are:

First row: Howard Bradley, adviser; Jim Adams, president of chapter;
Jim Gurley, Carleton Broadbent.

Second row: David Williams, Jack McInroy, Keith Wiles, Ray VanPelt,
John Morrell, superintendent of schools.

William R. McMillan, president of the Agricultural Education Club, pre-
sented the plaque.

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and mites. Use Dannen Louse
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tive. Also combats bedbugs,
roaches and other household in-
sects.
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Thoroughly scrub brooder
and hog houses with Dan-
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infectant. Effective and
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quart needed for every 18
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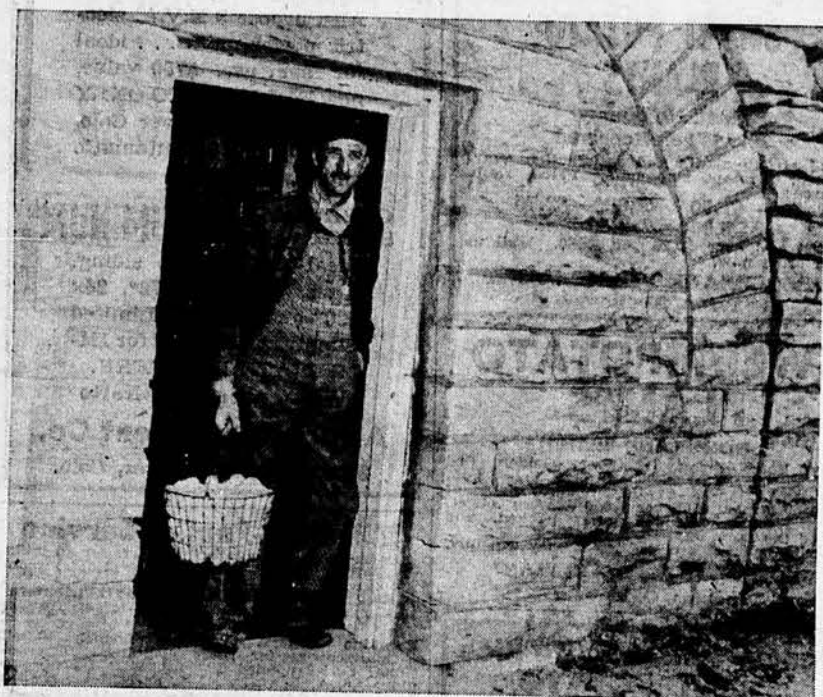
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An excellent stone cave on the farm is used by Mr. Bellinger to keep eggs in top condition until marketed.

WE TRY to market clean, high-quality eggs, without going to too much trouble," says C. E. Bellinger, of Riley county. He has been selling eggs on a graded basis for 15 or 20 years but believes there is a point beyond which caring for the eggs is not profitable.

Eggs are gathered twice daily in wire baskets and placed immediately in a stone cave for cooling. Slightly dirty eggs are cleaned but the worst ones are used at home or marketed as dirties. Marketing is done 2 or 3 times weekly.

During the winter months 75 per cent of the eggs from this farm will grade top quality. Evidently the management program followed is satisfactory as the flock of 300 layers has been returning \$2 for every dollar invested in stock, equipment, and feed.



Frequent gathering, proper storage, and frequent marketing, have helped C. E. Bellinger, of Riley county, get \$2 back for every dollar invested in his poultry flock.

Figures Selling Cost

One method of figuring the cost of a good beef herd sire is pointed out by C. W. McCampbell, of the Kansas State College animal husbandry department.

He tells of one ranchman paying \$250 for a good bull when he could have bought a common bull for \$100. He figured the bull cost per calf for the better bull was \$1.86, but that the selling price of the calves was \$4 to \$8 more for those sired by the better bull.

Cuts Feed Cost

The value of balbo rye as cattle pasture to cut wintering feed bills is fully appreciated by John Hund and Son, Wabaunsee county. They have been utilizing balbo rye 4 or 5 years.

During April, 1946, they ran 75 head of cattle 30 days on 18 acres of balbo,

fed some prairie hay, and the cattle had the run of an adjoining stalk field. Thirty head of yearling steers also had the run of this balbo for 2 weeks during November or December. Mr. Hund figures the balbo was worth \$4 a head in cutting his wintering feed bill.

Report on Conservation

Well over two thirds of the farms and farm acreage in Kansas now are in the state's 72 soil-conservation districts. This report was made recently by F. J. Sykes, Salina, state conservationist.

His report indicated that of the 52,552,320 acres in Kansas, 35,786,879 are in soil-conservation districts and that 119,034 of the state's 156,277 farms are in districts.

Farms with conservation plans total 11,987; acres planned, 3,505,885; acres with conservation applied, 1,413,364; farms on which work has been established, 10,914; acres contour farmed, 511,572; miles of terraces, 9,595; acres farm drainage, 23,413; acres rotations with legumes, 337,467; number of farm and ranch ponds, 3,149.

Reduce Cow Sterility

Future treatment of sterility in cows may prove practical, either by mechanical means or by hormones. During the past year the Bureau of Animal Industry made tests on 74 cases of sterility in cows.

Of the 74 treated, 19 became pregnant after the first treatment, 15 more after the second, and 7 out of the other 40 responded after 3 treatments.

Higher Wheat Yields

Wheat following sweet clover, combined with stubble-mulch tillage on the contour and terraces, raised wheat yields more than 100 per cent on the H. H. Zimmerman farm, in Sumner county. His wheat following clover yielded 16 bushels an acre, compared to former yields of 4 to 6 bushels.

Mr. Zimmerman now has 81 acres of his farm terraced and farmed on the contour. He has retired a 2-acre field to intermediate wheat grass as a source of seed, and will grass a natural waterway preparatory to terracing more of his farm.

Terraces and contouring prevented erosion and apparently conserved all of the rainfall received last year on the 81 acres treated, he reports.

Youth Work Growing

Jefferson county 4-H Club work is booming under the guidance of Russell Klotz, new county extension agent. When he came to the county a little more than a year ago there were only 100 4-H Club members in the county and only 6 active clubs. During the year the number of active clubs was increased to 15 and the number of members to 350. More than 100 baby beef projects are being carried.



Reduce
CECAL COCCIDIOSIS
Losses in Chicks

Dr. Salsbury's REN-O-SAL

Easy to use Drinking Water Medicine
Prevents Spread of Cecal Coccidiosis

Now you can easily prevent the spread of cecal (bloody) coccidiosis in your flock with Dr. Salsbury's Ren-O-Sal in the drinking water. Reduced losses in thousands of flocks last year. Praised by poultry raisers, everywhere.

Give your chicks 8 Ren-O-Sal tablets to each gallon of drinking water upon the first signs (bloody droppings) of cecal coccidiosis. So easy to use. Just drop handy tablets into the water; mix thoroughly. No complicated handling. Economical. Safe in any water—even metal.

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Used regularly in the drinking water, 2 tablets to the gallon, Ren-O-Sal gives your chicks these tonic benefits: faster growth,

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Sabetha, Kansas.

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K 1585, Ill. 200, K 2234 and K 2275. The new white with smaller cob, faster drying and easier husking. Write for descriptive folder and price or see my agent in your locality. H. F. ROEPKE, Manhattan, Kan.

Alfalfa Seeds \$15.60 delivered free. State tested. Send check today with order or ask free samples lot "Nu-crop" for summer-fall planting. Alfalfa Seed Marketing Service, Dept. 1179H, Salina, Kansas.

Nebraska Certified Seeds—Ohio 92 Corn. Best grade, treated, \$6.50 to dealers. Best grade Atlas and Norkan 96% germination, \$10.00 per cwt. Willard Waldo, De Witt, Nebraska.

Certified Hybrid Seed Corn K-2254, K-1686. Certified and uncertified western Blackhull Kafir. Certified and uncertified Atlas. Ernest Bauer, Broughton, Kansas.

Kansas Certified Westland Milo. Germination 81%. Purity 99.50% \$6.50 cwt. Amavitt \$4.00. Sweet Sudan, \$15.00. Ervin Miller, Partidge, Kansas.

State Certified Blackhull Kafir, germination 93%, purity 99.34%, grown from field hand selected heads past 12 years, 8c lb. Chamberlin Seed Farm, Carbondale, Kansas.

Atlas Sorgo and Blackhull Kafir seed for sale. Rolland Klaassen, Whitewater, Kansas.

Blackhull Kafir. Germination 76, \$6.00 per 100. J. E. Regier, Whitewater, Kansas.

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Hot Water Heaters

Electric, Butane, Oil and Gas for immediate delivery.

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

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.

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At Home—Your own manufacturing business: making popular \$1.00 novelties. Cost you 3c to 15c. Everything supplied. Write So-Lo Works, Dept. R-661, Loveland, Ohio.

● FARMS—KANSAS

For Sale: Farms in Brown-Nemaha and Jefferson counties: 234 acres choice Brown county farm, well improved, electricity, all-weather road. 320-acre well improved, electricity, on U. S. 36, 120 acres good pasture, balance cropland. Let us hear from you. No trades. Breitwieser & Sewell, Sabetha, Kansas.

250 Acres, Miami Co., 80 bluegrass, 14 alfalfa, balance corn, wheat, crops. 8-room house, electricity available. 3 barns, other buildings. Closing estate; owned one family 70 years. \$75.00 acre. Otto Huffman, Paola, Kansas.

Suburban Home, 40 acres, 6 rooms, barn, poultry houses, good road, water, electricity, near college, \$6,000. T. B. Godsey, Emporia, Kansas.

Eastern Kansas, 200 acres rich land, three miles county seat. Box 120, Kansas Farmer, Topeka, Kansas.

● FARMS—MISCELLANEOUS

Strout's Green Farm Catalog. Money-making farms and country businesses—over 2,500 bargains. 32 states, Coast to Coast. Mailed Free. Tell us what you want. Where? Price? Terms? We will try to save your Time and Money. Strout Realty, 20 West 9th St., Kansas City 6, Missouri.

There's a Farm in Your Future... and you may find it in the exciting pages of United's new free Summer catalog of up-to-the-minute bargains! Farms, ranches, orchards, summer homes, water frontage, business opportunities—over 100 pages with many photographs, from the northern dairy section to the glamorous California, 18 states. Write today for your free copy! United Farm Agency, 428 BMA Bldg., Kansas City 3, Mo.

For Sale—Level 1/2 section, half in cultivation, half good grass, 100 miles straight, east of Denver. Legal description 5 1/2 Sec. 3-74S-R-50W, \$35.00 acre. Terms. One half oil rights reserved. A. R. Allen, 1761 Spruce, Denver, Colo.

Plan Harvest Labor

Rumors that some other agency than Extension would handle the 1947 farm labor program are false, states E. H. Leker. He is acting North Central Area director of the Extension Farm Labor program.

Plans already have been made for this year's expected record harvest, Mr. Leker said. This will be good news to farmers, who have been hearing that labor this year might be on an 8-hour basis and tied up with red-tape paper work.

A wheat and other small-grain harvest guide now is being prepared for the 9 western Great Plains states to aid in direction of harvest labor and custom combines to areas where help will be needed. Some 45,000 workers probably will be handled during the harvest season, said Mr. Leker.

"We are proceeding with plans for handling harvest information and direction of help on much the same basis as in 1946," Mr. Leker stated. "Other farm labor services will be continued on a basis that will aid agricultural producers to meet their labor needs."

Finds Ideal Pasture

It's hard to beat balbo rye as winter pasture for sheep and hogs, believes Bill Lister, of Franklin county.

He planted 45 acres of balbo rye last year and pastured 90 head of ewes on 20 acres from the middle of September until the rainy spell the following March. Ewes were fed lespedeza hay during the winter while on pasture and got oats around lambing time. Mr. Lister also pastured 75 head of hogs, all sizes, on 15 acres of balbo during the winter. Corn consumption dropped about 50 per cent when the hogs went onto the rye, recalls Mr. Lister.

When he seeded the 15 acres of rye for hog pasture he added 20 pounds of brome an acre but hasn't had a chance yet to see what the brome will do. Balbo was seeded 1 1/2 bushels to the acre.

A seed crop off the 20-acre sheep pasture is expected this year.

Sweet clover and other pasture crops rapidly are replacing grain production on the farm.

What Farm Groups Suggest

(Continued from Page 5)

The school-lunch program gets indorsement all the way around, but in varying degrees. Farmers Union and Farm Bureau would expand it to the point of making it into the food-allotment program contained in the Aiken (Sen. George Aiken, of Vermont,) food-allotment bill. Under this proposal, the Government would undertake to insure everyone in the United States a minimum adequate diet, prescribed in the bill. If 40 per cent of the family income was insufficient to provide the adequate diet, the Government would issue food stamps to make up the difference in cost.

Grange would have a food-stamp plan held in reserve, to be used only in national emergencies. The Farmer Cooperatives approve the school-lunch program, but would stress educational value rather than attempt to dispose of farm surpluses by this route.

Following are believed to be fair summaries of the position of 4 major farm programs for the long range.

President Ed O'Neal, Farm Bureau Federation:

Don't destroy our farm program; don't count on not having surpluses.

Preserve basic agricultural legislation now on statute books.

Revise parity formula to include labor costs; no specific formula proposed.

Further study to develop surplus-control programs.

Expanded foreign trade thru reciprocal trade agreements and trade agreements thru the proposed International Trade Organization.

Develop new uses and markets for farm products.

Cut Department of Agriculture administrative expenses 20 per cent.

Use marketing agreements in more fields.

Government development of fertilizer production.

Increase the contributions by states and counties to costs of soil-conservation program, these now 300 million dollars annually from Federal Treasury. (Congress will reduce them for next fiscal year in Agriculture appropriation bill due on House floor next week).

John Davis, executive secretary, National Council of Farmer Co-operatives: Greatest need for American Agriculture not new basic legislation, but new sense of direction toward an economy of abundance within our free enterprise system. Recommend:

Expansion research and educational program: Cite educational campaigns citrus growers and few others to create and enlarge markets; advertising and so forth by farmers thru their own organizations.

Discontinue soil-conservation payments after this year; depend on educating farmers to value of programs.

Instead of trying to keep all farm children on farm, work for related industries in rural areas to help take care surplus population.

Expand markets, thru better diets, expanded industrial uses, maximum exports.

More co-operatives, for purchasing and marketing more efficiently.

Don't tax co-operative patronage dividends twice.

Don't lean too much on Government.

Modernization of parity formula, along lines advocated by National Grange.

Albert S. Goss, Master National Grange, made more specific suggestions—and made them more specific—than either O'Neal or Davis.

Advocated, as major planks in platform:

Base farm parity on income instead of base period parity computed on 1909-14 relationships between prices farmers paid and prices received that period.

Using development of farmers' share in national income for the whole farm production, then modernize the parity formula for individual commodities by using a 5- (or even 10-) year base period.

Economy of abundance; production geared to peoples' needs; protection (thru support prices) against depressed prices thru surplus production, diversion to secondary uses under multiple-price system, trade agreements under control of Congress, not State Department.

In regard to support prices, a "stop

loss" floor below which prices would not be allowed to go; flexible floor prices adjusted from season to season. Suppose "stop loss" floor was 75 per cent of parity, for example. A price support for one year at 90 per cent of parity resulted in surplus production; lower season support price floor to 85 or 80 per cent on that commodity to encourage growers to plant something else next year.

Adequate tariff protection as preferable to quotas and "import duties," as little Government interference as possible. Food stamp, acreage control, in emergencies only. Place soil conservation as nearly on self-supporting basis as possible.

James G. Patton, National Farmers Union, proposed:

National Farm Price and Production Committee of farmers elected by farmers; National Consumer Protection Committee named by consumer groups.

These committees would meet twice a year with representatives of the Department of Agriculture, to establish production goals and set minimum and maximum prices, by a process of collective bargaining.

Individual farm goals for each commodity to be established by joint Government-farmer committee in each county, with appeal board for farmer not satisfied what he was told to plant.

Farmers participating in program would receive a minimum guaranteed income based on wages received by industrial workers. If prices received failed to meet guaranty, then farmer would work for Government on soil conservation or other products; up to \$1,000 in one year for off-farm work. Minimum guarantee would apply to each working member on the farm.

Government to buy up large farms and resell in family-size farms, but stated specifically his program did not include (at least at present) confiscation of large farm holding for resale in family-size units.

He Builds Terraces

Building your terraces isn't such a hard job and when you are thru you know you can farm over them. This is the opinion of Glen Cramer, Osage county farmer, who already has terraced 53 acres with a one-way plow. "It takes me about 4 or 5 hours to build 1,300 feet of terrace," says Mr. Cramer.

He used a little ingenuity to build up the low sections of his terraces. He bought an old water tank and cut out a section of it, which he made into a dozer blade. This he fits onto the manure loader attachment on his tractor and with it fills up the low spots.

He believes his terraces will be easier to maintain, too, as he knows more about them for having done all the work. Before he built his terraces the water from 30 acres of pasture was draining across some of his best bottom land before going into a creek. Now, the water drains 2 days with outlets in a slough at one end and a pasture at the other. Some of the heavier slopes have been seeded down to sweet clover or lespedeza sowed with oats.

Service Award Dinner

The first annual Service Award Dinner for the office employees of Dannen Mills, Inc., St. Joseph, Mo., and their families was held May 7. H. L. Dannen, who returned from Washington, D. C., just prior to the dinner, presented the service pins to 19 employees whose records varied from 5 to 20 years as Dannen employees.

Mr. Dannen's Washington trip was occasioned by the meeting of the United States Chamber of Commerce. He represented the St. Joseph chamber.

Whistle Calls Them

To save yelling for some member of the family, I bought a shrill tin whistle and keep it near the back door. Since there are several members of the family to be called, each was given a number. Dad responds when the whistle is blown once; one of the boys knows that when the whistle is blown twice he is needed at the house; the other boy's number is 3 and he is careful to heed the call. This whistle has saved many headaches.—X. Y. Z.

CHOLERA
Alert!

Will cholera take YOUR hog profits this year? Play safe. Have pigs

VACCINATED

before killing outbreaks begin. Call your

VETERINARIAN

When he vaccinates, his skill and experience can add much to the safety of your herd. Call him. Play safe.

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Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has I.H.C. Leapedeza guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

SPECIFICATIONS
Width of Cut—36 in. Bearings—Standard Ball.
Power—1 1/2 H.P. Air-Cooled Motor.
Frame—Fabricated Electric Welded Steel.
Differential—Auto Type Drives From Both Wheels.
Drive—Standard Auto V-Belts. Gears—Machine Cut.
Tires—400x8 Pneumatic. Self Propelled.
Foushee & Heckendorn, Cedar Point, Kan.

HEAVY DUTY LIFTING JACKS

for tractor, combine, thresher, baler, sheller and all other heavy farm machines. Extra sturdy. Reasonably priced.

Also cylinder teeth for threshers and combines; hammermill belts, combine and baler canvases, sprocket chains, tarpaulins.

FREE CATALOG HUDSON MACHINERY CO., DECATUR, ILL.

Tired Kidneys Often Bring Sleepless Nights

Doctors say your kidneys contain 15 miles of tiny tubes or filters which help to purify the blood and keep you healthy. When they get tired and don't work right in the daytime, many people have to get up nights. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder. Don't neglect this condition and lose valuable, restful sleep. When disorder of kidney function permits poisonous matter to remain in your blood, it may also cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, swelling, puffiness under the eyes, headaches and dizziness.

Don't wait! Ask your druggist for Doan's Pills, a stimulant diuretic, used successfully by millions for over 50 years. Doan's give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from your blood. Get Doan's Pills.

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K-R-O is guaranteed to kill rats. Red squill, K-R-O's active ingredient, makes it safer to use around children, livestock, pets, and poultry. Economical! Two-ounce package at 75c will make 200 death-dealing baits. At most drug, feed, and seed stores. Get K-R-O today! The K-R-O Co., Springfield, O.

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Bellows Bros. -- W. A. Cochel

SHORTHORN SALE

Sell 10 Bulls, 40 Females

Maryville, Mo.

Wednesday, June 11

BELLOWS CONSIGNMENT

6 dark-colored yearling bulls by the \$2,000 Helfred Golden Fame. A very select lot. 10 cows with calves at foot by Helfred Golden Fame. 7 bred 2-year-old heifers bred to Golden Fame. 4 open heifers, 3 by Golden Fame. Truly a Helfred Golden Fame offering.

ROANRIDGE CONSIGNMENT

2 sons and 1 daughter of Edellyn Campeon Mercury. 1 bull by Sni-A-Bar Control, 2 by Roanridge Golden Charm. 2 daughters by Paymaster Stamp, 2 by Cruggleton Aspiration, and 5 by Blumont Favor. 8 will have calves at foot by Mercury bulls. 4 outstanding open heifers by Roanridge Golden Charm. Sni-A-Bar breeding dominates this offering.

Visit These Two Herds En Route to Sni-A-Bar Sale

Catalogs on request
BELLOWS BROS., Maryville, Mo. or ROANRIDGE, Parkville, Mo.



IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

and MIKE WILSON, Livestock Fieldman,
Muscatine, Kansas.

J. J. HARTMAN & SON, big smooth-type Poland China breeders, of Elmo, report 70 of the best pigs they ever had farrowed on the farm, an average of almost 9 to the litter. Mr. Hartman says the responsibility of keeping up, that is of increasing the hog population rests with the breeders of registered hogs and he wants to do his part. These litters are by the great boar, General Ike, or out of sows sired by him.

JESSE RIFFEL & SONS, veteran Polled Hereford breeders of Enterprise, have an enviable record for furnishing breeding stock to many states. Last year they sold stock in 9 states and of the large number sold 20 head stayed in Kansas. The Riffel herd was established several years ago, at a time when Polled Herefords were not so well known and Riffel & Sons have had a big part in creating the present demand.

A large crowd attended the SOUTHEAST KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION sale of bulls and females at Ottawa on May 2. Fifty-four lots were sold. Frank Wuckowitsch, of Greeley, paid \$400 for a bull from the T. B. Wilson herd. This was the top reached on bulls for the day. Carol Martin, of Lawrence, paid \$450 for the top female. She was consigned by Blackpost Ranch of Olathe. The entire offering made a general average of \$232 per head.

DURNELL & COX Duroc sale, Odessa, Mo., April 29, had excellent local support. A very active sale resulted with an average of \$77 on 57 head sold. Several October farrowed boars and gilts were included and while no high prices were paid it was the kind of sale that indicates a good interest in the breed at an average that made some money for the sellers, and still they were bought reasonable enough to be excellent investments for the purchaser. Top boar at \$142.50 went to Raymond Donham, Olathe. Top gilt at \$110 went to C. Knipmeyer, Higginsville, Mo.

The W. E. and ANGIE SMITH Jersey dispersion sale May 1 at the farm south of Joplin, Mo., averaged \$223 on 44 lots. Two tops sold for \$400 each with 10 head selling from \$300 to \$400. A big per cent of the offering was quite young, many under a year, and by comparison with the older Jerseys they sold higher accordingly. Buyers from Kansas, Arkansas, Oklahoma and distant points in Missouri made it possible for local buyers to get only a few head purchased. Several head came to Kansas. Ivan N. Gates, West Liberty, Iowa, was the sales manager. Bert Powell, auctioneer.

ELLIS MORGAN, Oregon, Mo., had another good sale of Durocs on April 23. Forty-six head averaged \$139. Boars averaged \$142.50 and gilts averaged \$121. High selling boar was a son of Kant Be Better and sold to an Iowa buyer for \$465. Two gilts reached the \$225 figure. One was purchased by Earl Martin & Son, DeKalb, Mo., the other went to Anderson Brothers, Altoona, Iowa. Frank Alexander, of Corning, bought a good gilt and a boar was purchased by Irvin P. French, of Sparks, Missouri, Kansas, Nebraska, Iowa and Illinois buyers made selections in this sale.

MID-CONTINENT ABERDEEN-ANGUS BREEDERS held their annual sale in Junction City on May 1. A top of \$1,500 was reached on bulls, this consignment coming from the herd of James B. Hollinger, of Chapman. A. J. Schuler & Son, of Chapman, were the purchasers of this excellent young bull. Dan Aelfs & Son, of Great Bend, paid the female top of \$775 to J. O. and Jim Honeycutt, of Blue Rapids, on a 2-year-old heifer from the Honeycutt consignment. Eight bulls in the auction averaged \$423 per head and 45 females made an average of \$271. The 53 lots sold rang up a general average of \$294 per head.

MISSOURI GUERNSEY BREEDERS SALE, Columbia, Mo., on May 2 was attended by buyers from several states and averaged as follows: 52 cataloged lots averaged \$655.87, 14 cows \$588.57, 18 bred heifers \$657.50, 12 open heifers \$517.08 and 8 bulls \$978.13. The top bull sold for \$2,525 and was purchased by J. E. and L. E. Funk, Windsor, Mo. Two females sold for \$1,600 each, one going to W. H. Acker, Waterloo, Iowa, and the other to A. Greenspon, St. Louis. J. L. Nelson, Wichita, bought an open heifer and H. A. and Fred Kissinger, Ottawa, selected a young bull. These were good individuals of the more popular bloodlines. Buyers from several states made purchases.

KARL J. DIETER'S Duroc sale, Maysville, Mo., averaged \$92 on 34 head sold. The sale held on April 22 was well attended considering road conditions all over Missouri. Weeks of almost continuous rain had made side roads almost impassable and many of the crowd came by horseback, team and wagon or team and buggy. Buyers from a distance were compelled to park on the highway and walk to the Dieter farm. Boar top was \$300 with a \$110 average. It was not possible to sell all the boars due to an insufficient number of buyers on hand. Top gilt sold for \$220. Both top boar and gilt went to out-state buyers. This veteran Missouri breeder has stayed with the medium type Duroc over a long period of time and has found them to be the kind that farrow larger litters, grow fast, and make economical gains.

J. C. BANBURY, of Plevna, began the breeding of registered Polled Shorthorns 40 years ago and I believe he is the oldest continuous breeder of Polled Shorthorns now operating in the state. In the year 1907 polled cattle were not held in favor by farmers as they now are. There were fewer good bulls and breeding stock of any breed to select from. But the determination of men like Mr. Banbury to hold fast to the belief that time and careful selection would make it possible to grow just as good animals without horns as with horns has brought the Banbury & Sons' herd to its present high state

of perfection. The efforts of such breeders should be and I believe are appreciated by farmers and other breeders desiring to establish herds or are interested in dehorning their commercial herds. It would be difficult to estimate how many hundreds of bulls have gone out to Kansas farms from the Banbury herds.

THE SUNSET HEREFORD FARM sale, May 6, drew buyers from many points in Kansas. The offering was very uniform and every animal stayed in Kansas. The top price reached on females was \$405, going to Bob Stoehr, of Garden Plains. High for the day on bulls was \$285. Floyd Williams, of Iuka, was the purchaser. Twelve bulls in the auction averaged \$185 and 33 females averaged \$298, 45 head making a general average of \$269 per head. J. H. Lee, of Wichita, is the owner and operator of Sunset Hereford Farm.

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	\$24.85	\$25.25	\$17.65
Hogs	24.75	25.25	14.55
Lambs	25.25	22.50	17.75
Hens, 4 to 5 Lbs. ....	.21	.24	.23
Eggs, Standards .....	.39	.42	.33 1/2
Butterfat, No. 1 .....	.54	.60	.45
Wheat, No. 2, Hard	2.73 1/2	2.74 1/2	.....
Corn, No. 2, Yellow	1.73 1/2	1.79 1/2	.....
Oats, No. 2, White	1.01 1/2	.95 1/2	.....
Barley, No. 2	1.50	1.55 1/2
Alfalfa, No. 1	35.00	36.00	30.00
Prairie, No. 1	27.00	27.00	14.00

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WESTERN SILO CO., Dept. K-5
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Your success is based on knowing good producing dairy type. The folder, "A Standard of Excellence", includes 21 color photographs, to help you select high producing animals. Send today for your FREE copy.

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SHEPHERD'S SUPERIOR DUROCS
All bred gilts sold until June and later farrowing bred to Le Thickmaster and Super Spot Light. Fall pigs by Proud Cherry Orion and Uneda Broadway. Double Immuned. Registered. Kansas' oldest herd.
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MIKE WILSON, Fieldman.
Kansas Farmer - Topeka, Kansas

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Write for your free copy of the May "O I C Squeal."

Kansas O I C Swine Breeders' Assn.
Marvin J. Hostetter, Secretary
McPherson, Kansas



Registered Blocky
Type Pigs
PETERSON & SONS
Osage City, Kansas.

O'BRYAN RANCH HAMPSHIRE

Service Age Boars for Sale
They are from production tested litters and are the packer-feeder-breeder type. The kind that will sire those fast growing market topping Hampshires. Reg. cholera immune. Price \$100 to \$200.



REG. SPOTTED POLANDS

Fall Boars, serviceable age, sired by Keepake's Pride and Feeders Wide Back, Jr. Also unrelated fall boars and gilts.

SUNNY BROOK FARM
Richland (Shawnee County), Kansas
H. E. Moltiday Herbert Holliday

KONKELS' SPOTTED POLANDS LEAD

For Sale—Fall boars and gilts, also choice spring pigs, featuring a litter out of a sow sired by Grand View Supreme, the \$4,400 boar. Litter by Advancer.

DALE KONKEL & SONS, Haviland, Kan.

Poland China Fall Boars

Extra good black fall boars. Champion breeding. Ready for service. Immune. Registered. Priced reasonable.

MALONE BROS., Raymond, Kansas



Poland Boars

Real herd headers. Weight 275 pounds and up.
J. J. HARTMAN & SON
Elmo, Kansas

REG. HAMPSHIRE HOGS

Now offering choice September boar pigs. Various bloodlines. Immune.

R. E. BERGSTEN & SONS, Randolph, Kansas.

ETHYLEDAL FARM

Herd Sires
BRIGHT GLORY
SPOTLITE SUPREME
SPOTLITE JR.
100 fall pigs, boars and gilts, ready for new homes.
Dale Scheel, Emporia, Kan.

Offering Green Acres Berkshires

Registered open gilts with quality. Their litter mates won reserve championship at Oklahoma State Fair in fat barrow class.

ARNOLD and HAROLD WALL,
Rt. 1, Buhler, Kansas

Offering Duroc Fall Boars

Best of breeding and conformation. Registered and Immuned. Shipped on approval. Write for full particulars.

WILLIS HUSTON, AMERICUS, KANSAS

DUROC JERSEY BOARS

September boars by Knockout. Two extra good October boars by Lo-Dena Fancy. Double immuned. Write for prices.

CLARENCE MILLER, Alma, Kansas

DUROC BOARS ALL AGES

By Red Star and Fancy Cardinal. Choice gilts bred to Top Crown by Crown Prince, Illinois Champion boar. Fall pigs by Top Crown and Outen Reconstruction.

B. M. HOOK & SON, SILVER LAKE, KAN.

TOP QUALITY DUROCS

Fall boars and gilts. Show winners. Priced reasonable. WILLARD H. WALDO, DeWitt, Neb.

Dairy CATTLE

LOCUST LEA FARM AYRSHIRES

Bulls 2 and 3 years old. Sired by Woodhull Sunny Jim, approved sire. Also bulls from 2 weeks to serviceable ages by Neshaminy Enterprise, son of Penhurst Jim, the approved sire. Write us your wants or better come and see us.

John C. Keas, Effingham, Kansas

7-MONTHS-OLD HOLSTEIN BULL FOR SALE

Large for age and of excellent type. Sired by A Proved Sire, whose 2-year-old daughters average 420 pounds fat in 10 months on 2 times milking. His dam has 504 pounds of fat on 2 times milking. This calf's full brother stood second at All State Show in 1946, and has 2 full sisters in the herd making good records.

ERNEST A. REED & SONS, Lyons, Kansas

THE SONS OF "BURKE"

Now in use at
SUNNYMEADE FARM
PABST BURKE LAD STAR
Senior Sire
PABST BURKE NED
Junior Sire

Sons of these sires now available. Herd on 17th consecutive year of Holstein-Friesian Improvement Test.

C. L. E. EDWARDS, Topeka, Kansas

HOLSTEINS ARE LONG-LIVED

Many Holstein cows continue to produce consistently at 12 and 15 years of age and to freshen regularly with strong, healthy calves. A record of 28,646 lbs. of milk and 1,094 lbs. of butterfat in one year was made by one cow over 12 years of age. Another produced 18,379 lbs. of milk and 808 lbs. of butterfat at 17 years of age.

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HOLSTEIN-FRIESIAN ASSOCIATION 10 OF AMERICA • Brattleboro, Vermont • Box 1038

SMOKY VALLEY HOLSTEINS

For Sale—4 cows 3 to 7 years old. Bred to Carnation Countryman. Bull calves up to 7 months old.

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 and granddams.

H. A. DRESSLER, LERO, KAN.

REGISTERED GUERNSEYS

Since 1906 High Production. Correct Type. Popular Bloodlines.

Ransom Farm, Homewood (Franklin Co.), Kan.

Guernsey Bull for Sale

Ransom Dandy's Demonstrator 356 759, three years old. Dam's three-year record 385 fat in 305 days, twice-a-day milking. Gentle and sure breeder. Farm 1/4 mile west of town.

A. W. FRYHOFFER, McLouth, Kansas

AABARAX OF OZ ★★★★★

Jerseydom's only 7-Star son of a 7-Star sire was bred in Kansas—at Rotherwood!

ROTHERWOOD, LAND OF OZ
Hutchinson, Kansas

BROOKSIDE JERSEY STOCK FARM

We guarantee to provide Jerseys that will give nourishment for the body; beauty for the eyes; consolation for the mind; rest for the soul; and cash for the pocketbook. Bulls, cows and heifers for sale. Guaranteed in every way. Reasonable prices.

MARSHALL BROS., Sylvia, Kansas.

Mention KANSAS FARMER
when writing Advertisers

Beef CATTLE

BEEFMAKER BULLS

Are Breed Improving Aberdeen-Angus Bulls—Come see the proof—their calves. Herd Battery—Six bulls in use. The top Aberdeen-Angus bloodlines and definitely reproducing their own kind. Comparison is invited with any other cattle. The "Jingle" in your pocket will warm the heart. Use them and prosper. Inquire of C. E. REED, 4114 East Central Ave., Wichita 6, Kansas. Telephone 68313 residence; farm 5-3868.

FICKEN ABERDEEN-ANGUS

Yearling bulls sired by Bell Boy H. P. by Bell Boy A. and Applewood Bandolier 114th, son of Applewood Bandolier 3rd. Write

HOWARD L. FICKEN, BISON, KANSAS

Reg. Hereford Bulls and Heifers

Grandsons and granddaughters of Super Anxiety 5th, No. 2634824. Anxiety Domino No. 4404516, calved Feb. 7, 1945, a good smooth, heavy-boned, deep-bodied proven sire, of quality any one will admire. Other bulls 12 to 15 months old ready for service. Reasonably priced. If interested in young, well-bred stock, either bulls or heifers, write

ORVILLE L. JENKINS
Emmett, Pott. Co., Kansas
All-weather road 12 miles north of St. Marys and 1/2 mile east of K63

Top Quality Top Breeding Herefords

Good Hereford herd bull prospects. Cows and bred and open heifers, featuring the blood of Beau Zento 32d and WHR Helmsman 94th.

WALNUT HILL HEREFORD RANCH
Great Bend, Kansas

YEARLING MILKING SHORTHORN BULLS

For sale now—Registered Bull, yearlings, mostly roans and sired by Fatten Hill Chess and out of daughters of Brookside Mapper-ton 58th. Visit farm or write to

JOHNSTON BROTHERS, Brewster, Kansas

OFFERING POLLED SHORTHORN CALVES

The best we have ever grown. Bulls and heifers. Excellent heads, straight lines and good bone. Mostly reds, few roans. All by Royal Robin 2-D-2200220.

HARRY BIRD & SONS, Albert, Kansas

Dual-Purpose CATTLE



THE "DOUBLE YOUR INCOME" BREED
Write for information and "Red Poll News"

Red Poll Cattle Club

3234 Starr Street, Lincoln 3, Nebraska

Milking Shorthorn Bulls

Out of R.M. Cows. Ready for service. Also bull calves and females of all ages, sired by or bred to our dark red herd sire, classified "Excellent." Choice 4-H prospects.

KNACKSTEDT BROS., Conway, Kansas

REG. RED POLLED BULLS

Serviceable age. Tb. and Bang's tested. Twenty years a Red Polled Breeder.

WM. WIESE, Haven, Kansas

WANTED—MILKING SHORTHORNS

Several young registered females. Send details and price.

JOHN B. JOST, Hillsboro, Kansas

SHEEP



10th Annual Reno County Ram Sale

FAIR GROUNDS

Hutchinson, Kansas

The Night of

Thursday, May 22

30 HEAD: Shropshires — Hampshires—Southdowns. Drawn from many leading herds of Kansas. Some were shown as last year's lambs. All rams have been sifted for quality and breeding. Outstanding bloodlines.

Remember date of sale is May 22 and that it starts at 7:30 p. m.

HAROLD TONN, Haven, Kansas
Auctioneer and Sale Manager

Ralph L. Trager, Bucklin, breeder of horned and polled Hereford cattle, writes as follows: "Thanks for the fine bull advertisement run in Kansas Farmer. I am sold out and won't need the ad longer."

Public Sales of Livestock

Guernsey Cattle

June 6—Lyn-Lee Guernsey Farm, Hillsboro, Kan.
October 17—Kansas Breeder's State Association, Topeka, Kan.

Hereford Cattle

October 28—Miller Herefords, St. Marys, Kan.
October 28—L. J. Bodine, Great Bend, Kan.
November 11—W. H. Tonn & Son, Haven, Kan.
November 12—J. H. Banker, Salina, Kan.

Polled Hereford Cattle

May 28—John Ravenstein & Son, Cleveland, Kan.
October 27—Mid-West Polled Hereford Breeders, Marysville, Kan. Bernard Hart, Sale Manager, Blue Rapids, Kan.
November 14—Plain View Farms, Jesse Riffel & Sons, Enterprise, Kan.
December 6—Roy E. Dillard, Salina, Kan.

Shorthorn Cattle

May 29—Tomson Bros., Wakarusa, Kan.
May 30-31—Sni-A-Bar Farms, Grain Valley, Mo.
June 11—W. A. Cochel & Bellows Brothers, Sale at Bellows Brothers Farm, Maryville, Mo.
October 31—North Central Kansas Shorthorn Breeders' Association, Beloit, Kan. Ed Hedstrom, Secretary, Mankato, Kan.

Hampshire Sheep

August 7—Clifton H. Davis, Archie, Mo.

Sheep—All Breeds

May 22—Reno County Annual Ram Sale (night sale), Hutchinson, Kan. Harold Tonn, Sale Manager, Haven, Kan.
May 27—Kansas Purebred Sheep Breeders' Association, Wichita, Kan. Rufus F. Cox, Sec.-Treas., Manhattan, Kan.

Making Farm Over

Theodore Wehrle, Osage county, is busy these days making over a quarter section of land that was all broken out for cultivation during the 1930's.

All of the steeper slopes are being seeded to brome. Three outlets for terraces have been seeded down and a good stand of brome established. Three diversion ditches have been completed to carry pasture runoff into these grassed outlets and 3,000 feet of terraces have been built.

Row crops will not be grown more than 2 years in succession and sweet clover has been put into the rotation program. Lespedeza is being sown with some small grains and about 40 acres of alfalfa are being maintained.

Mr. Wehrle has been having good luck sowing brome with flax. The flax has not proved a very good cash crop but has been a very good nurse crop for the brome. Sweet clover is pastured on the farm but Mr. Wehrle values it most as a soil builder. Grain and row crops have shown a remarkable improvement since legumes were put into the rotation, he states.

Paid to Use Disk

As soon as he finished his wheat harvest this year James Connery, Rice county, got busy preparing his next seeded by using a very good cultural practice.

He double-disked his stubble to knock it down and keep it in contact with the soil. In this condition, the field will hold moisture, speed up rotting of the stubble, and will plow better when the proper time comes. Mr. Connery's wheat this year made 25 bushels on continuous cropped land, and some Early Triumph on fallow made 45 bushels.

"If I had burned my stubble instead of double-disking on the continuous cropped land the last 3 years I wouldn't have any organic matter left," says Mr. Connery. Since he can double-disk 160 acres a day with one tractor and the disk, the extra operation is not very costly and certainly pays dividends.

Gets Huge Returns

How would you like a return of \$120 an acre on an investment of \$6.40 an acre? That is what happened last year on the farm of Vic Stuewe, Wabaunsee county.

The farm is operated by Clarence Nott. It had 7 acres of brome grass that was about 6 or 7 years old and located on very thin land. In April (later than recommended) Mr. Nott applied 200 pounds of 33 per cent nitrogen an acre with a spreader at a cost of \$6.40 an acre. Last fall he harvested 300 pounds of clean seed an acre and sold it as certified seed at 40 cents a pound. This made the return on his investment \$120 an acre.

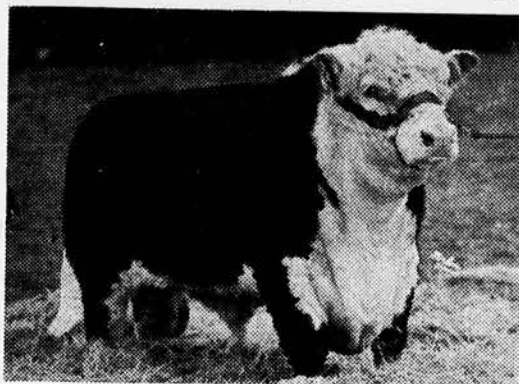
Another piece of brome that was not treated with nitrogen did not produce enough seed to harvest.

Ravensteins' Annual Polled Hereford Sale

at Willow Creek Stock Farm near
Belmont, Kansas

12 miles south of Midway on Highway 54, 20 miles north of Harper, Kansas, which is on main line of Santa Fe.

Wednesday, May 28



WHR LESKAN A 3d

40 HEAD featuring the get and service of the great bulls WHR Leskan 2nd and his worthy son, WHR Leskan A. 3d (the blood of the \$21,000 Leskan Tone).

20 HEIFERS bred or service guaranteed to the above herd bulls. The heifers are selected daughter of Plato Domino A. 4th and Plato Domino 9th.

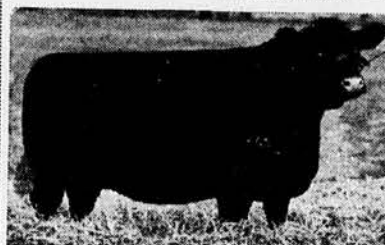
10 OPEN HEIFERS sired by WHR Leskan 2nd (selling as attractions).

19 EXCELLENT HERD BULL and Top Range Bull Prospects, sired by Plato Domino 9th and Plato Domino A. 4th.

For catalog address

JOHN RAVENSTEIN & SON (Owners)
Cleveland (Kingman County), Kansas

Auctioneer Chas. Corkle
Jesse R. Johnson and Mike Wilson with Kansas Farmer
Mention Kansas Farmer when writing for catalog.



QUEEN OF HEARTS 2nd X.

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

BANBURYS'

Polled (Hornless) Shorthorns

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

Young males and females for sale. Three head a specialty. Calves vaccinated. Deliver in Kansas at cost. Thursdays are special sale day at the farm, 22 miles west and 6 miles south of Hutchinson.

Lyn-Lee Guernsey Farm Complete Dispersal

FRIDAY, JUNE 6

45 HEAD Registered Guernsey Cattle and Farm Implements
17 Cows — 9 Bred Heifers — 13 Open Heifers — 6 Bulls

Main attractions are 14 daughters of Gaylord's Sultan, which are making DHIA Records 2 x milking from 350 to 400 lbs. fat. The young herd sire, Meadow Lodge Climax's Gallant, a grand and great grandson of Bournedale Rex and Langwater King of the Meads top and bottom. Herd will be sold clean of Tb. and Bang's. 30 head calfhood vaccinated.

Implements include DeLaval 2 single unit milker, Esco milk cooler, 1944 J. D. Model A tractor, new J. D. 4-bar side delivery rake, new J. D. buck rake, new 4-wheel trailer extension reach, Case 2-bottom plow, 4-section J. D. springtooth.

Farm is located 3 miles east, 2 miles south of Hillsboro. In case of mud go 5 miles east, 2 miles south, 2 miles west.

Implements will sell at 9:30 a. m. Cattle at 1 p. m.

Lunch on grounds. Catalogs will be ready May 20. Write to

DAN R. WOHLGEMUTH, Hillsboro, Kansas

Auctioneers: Charles Cole, Wellington; Seibel Bros., Hillsboro

Jesse R. Johnson with Kansas Farmer



Kansas Purebred Sheep Breeders' Association Show and Sale

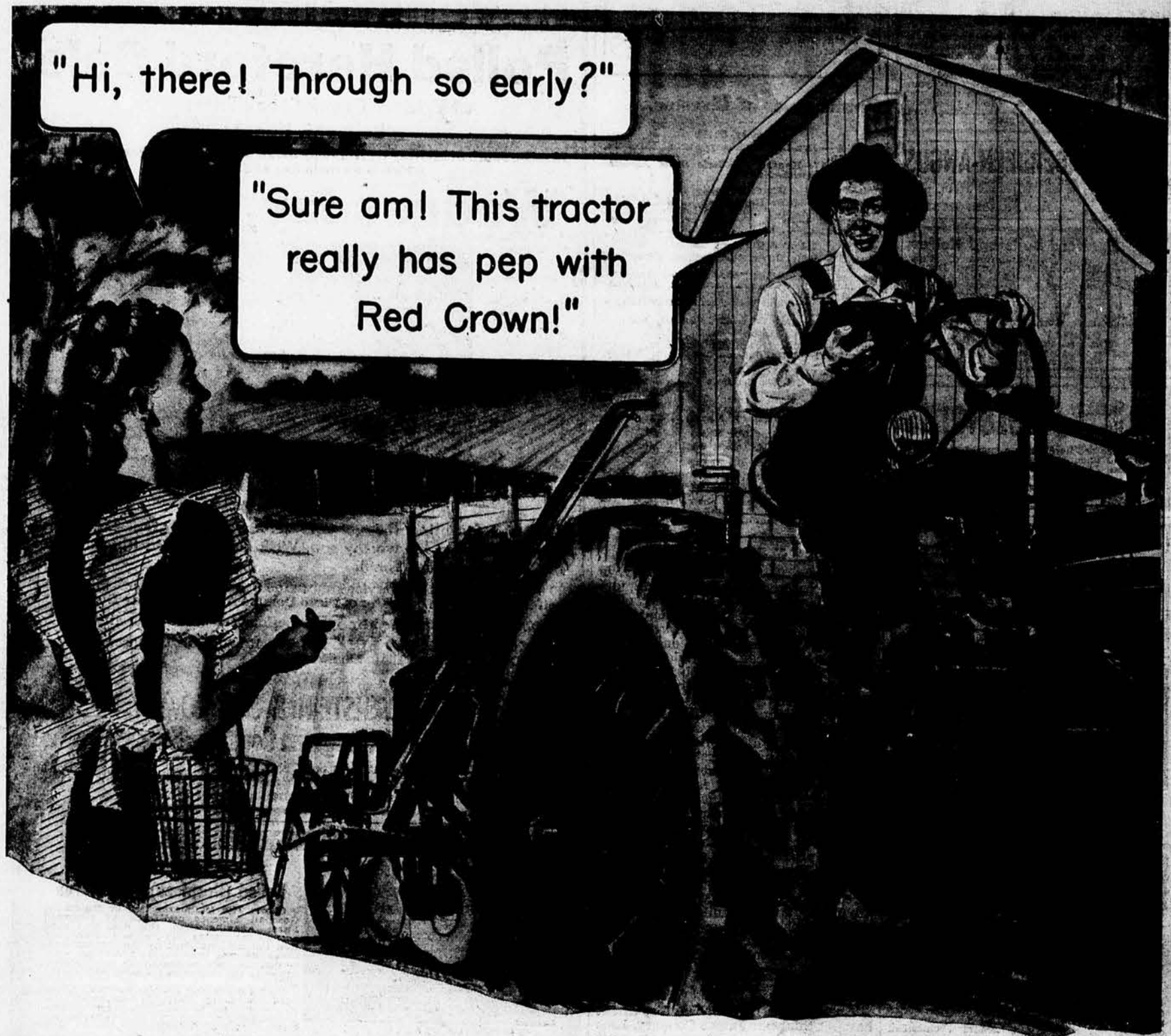
Purebred Rams and Yearling Ewes
Hampshires, Shropshires, Southdowns, Suffolks, Corriedales and Dorsets

The Forum, Wichita, Kansas, Tuesday, May 27

The best opportunity to inspect and buy some of the choicest breeding and individuals in Kansas or the Middle West. Annual Business Meeting of the Association, Broadview Hotel, Monday evening, May 26th. Show of rams and ewes 9:30 a. m. and sale 1:30 p. m., Tuesday.

Send entries or write for catalog to:
Rufus F. Cox, Secretary-Treasurer, Kansas Purebred Sheep Breeders' Association, Kansas State College, Manhattan, Kansas

RELIABLE ADVERTISERS ONLY are accepted in Kansas Farmer



"Hi, there! Through so early?"

"Sure am! This tractor really has pep with Red Crown!"

Recipe for making time

Yes, you can breeze right along, you can really make time—if your tractor's tank is filled with power-packed Standard Red Crown Gasoline.

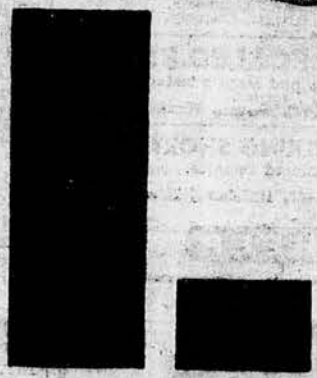
For you'll find Red Crown gives you ready power at the first sign of heavy going—the instant the governor opens the throttle.

And this quick-acting power, plus Red Crown's fast starts and warm-ups, means valuable working time saved...and heavy jobs finished sooner.

So to make real time, have your Standard Oil Man supply you with this great gasoline!

STANDARD RED CROWN GASOLINE—A great power gasoline; ideal for high compression tractor engines.

STANDARD BLUE CROWN GASOLINE—Low in price, dependable, excellent for lower compression engines.



STANDARD POWER FUEL*

... 4 to 1 choice for 2-fuel tractors

Midwest 2-fuel tractor owners—users of fuel heavier than gasoline—choose Standard Power Fuel by a margin of 4 to 1 over any other brand of volatile distillate. For Standard Power Fuel gives good starting under normal conditions, fast warm-up, smooth idling and full power. It's a real money-saver.

*Standard Power Fuel is sold throughout all the states in which Standard Oil Company (Indiana) markets its products, except in Colorado, Wyoming, and Nebraska.

STANDARD
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