

MAY 3, 1941

KANSAS FARMER

CONTINUING
MAIL & BREEZE



STATE COLLEGE OF AGRICULTURE AND MECHANICAL SCIENCE
LIBRARY
MAY 2 1941
MANHATTAN
KANSAS

RIDE 'EM COWBOY

for GRASS SILAGE SATISFACTION
BUY
BLIZZARD

Chops Hay, Fills Silo—handles grass or corn—No Extras Required! 15 big unusual features—many Exclusive—insure efficient, low cost, trouble-free operation. New Automatic molasses pump.

Get Blizzard's new booklet "The Why and How of Grass Silage." Explains the various tested methods of making molasses silage. Write for your free copy. Also for the new Blizzard Catalog.

DODSON MFG. CO.
 Wichita, Kan.

THE ONLY ALL-ANGLE DELIVERY



New Tractor Sweeprake
 Bucks Hay or Grain Bundles Field to Stacker, Barn or Thresher



Write for catalog and prices on our new Steel Tractor Sweeprakes made for nearly all makes of Tractors—just the thing for sweeping grain shocks or any kind of hay; also Wood and Steel Stackers and Horse-drawn Sweeprakes.

WESTERN LAND BOLLER CO., Box 65, Hastings, Nebraska

New DUPLEX Rotary Scraper
 Easiest operating Scraper made. Loads and dumps forward and backward. Many other exclusive features. FREE! Five days trial. Write for details and literature.



DUPLEX CONSTRUCTION CO., Dept. 16
 East Omaha, Nebraska

\$800 IN PRIZES

Offered in Dairy Essay Contest

YOU HAVE exactly 4 weeks left to write an essay to enter in Kansas Farmer's Dairy Cattle Essay Contest; so, if you are between the ages of 13 and 20, get busy at once and see whether you can't win one of the many handsome prizes offered.

Seldom, if ever before, has such a big essay contest been held in Kansas. Five purebred bull calves, valued at least at \$150 each, besides numerous other smaller prizes for each breed, are being offered in prizes. Prizes offered amount to at least \$800, and some estimates run \$1,000.

All you have to do in this contest, and absolutely all, is write an essay on the subject, "Why Dad Should Keep Purebreds and Why He Should Keep..." filling in the blank with any of the 5 major breeds—Ayrshires, Brown Swiss, Guernseys, Holsteins, or Jerseys. You cannot write more than 1 essay, so you must choose 1 breed and limit yourself to that.

Entries must be in the hands of the Dairy Contest Editor of Kansas Farmer by May 31. Essays are not to be more than 1,000 words, typed if possible, or at least written carefully in ink on one side of the paper. Get your county agent, vocational teacher,

or club leader to sign your entry to indicate that your entry is bona fide. Both girls and boys are eligible, ages between 13 and 20.

This contest is conducted by Kansas Farmer in co-operation with the Purebred Dairy Cattle Association, which is composed of the 5 major dairy breed associations, in the hope that it will stimulate greater appreciation of the value of higher-quality animals in dairying.

Prizes are awarded for each breed, by the breed association concerned. Here is a list of prizes that will be given Kansas boys and girls, by breeds:

Holstein—First, purebred senior bull calf, Springrock Ormsby Fobes, valued at \$150, given by Grover Meyer, Basehor; second, leather zipfit ring notebook; third, gold medal.

Guernsey—First, purebred bull calf, Jo-Mar Governor's Improver, value \$150, given by Jo-Mar Farm, Salina; second, silver milk jug; third, kodachrome plaque.

Brown Swiss—First, purebred bull calf, Romeo of Silver Creek, value \$150, given by Henry Duwe, Freeport; second, Parker pen and pencil set; third, book, "Brown Swiss Records."

Livestock Bulletins

For a farmer who is a beginner in livestock farming, or for anyone who may have questions as to equipment necessary, disease prevention and remedies, these U. S. D. A. bulletins are suggested:

- No. 89—Controlling Stomach Worms in Sheep and Lambs.
- No. 1085—Hog Lice and Hog Mange, Methods of Control and Eradication.
- No. 1134—Castrating and Docking Lambs.
- No. 1437—Swine Production.
- No. 1487—Practical Hog Houses.
- No. 1490—Hog Lot Equipment.
- No. 1763—Livestock for Small Farms.
- No. 1779—Beef Cattle Breeds for Beef and for Beef and Milk.

A copy of any or all of these publications will be sent free to readers of Kansas Farmer. Please order by number and address your request to Bulletin Service, Kansas Farmer, Topeka, Kansas.

Jersey—First, purebred senior bull calf of best breeding, given by Carl Francisco, Windmoor Farm, Edna; second, gold medal; third, silver medal.

Ayrshire—First, purebred senior bull calf of best breeding, yet to be selected; second, baby bull calf, yet to be selected; third, baby bull calf, yet to be selected.

The top Kansas winner in each breed will have a chance to compete against winners from other states for free trips to the National Dairy Show, to be held in Memphis, Tenn. Five trips will be awarded, one for each of the breeds.

It's a big contest with big prizes and well worth your time to enter. Get busy on your essay, for the sooner you can get it in now the better. Do your dead-level best, and maybe you will win a valuable purebred calf.

Plan your BUILDING PROGRAM Now!



BARN F1001 **CORN CRIB & GRANARY F2101** **MACHINERY SHELTER—F3201** **MILK HOUSE F2101** **GRAIN STORAGE BIN—F2102**

STRAW LOFT POULTRY HOUSE—F1401 **GARAGE AND MACHINE SHOP F3202** **FARM HOME F212A**

FREE BLUE PRINTS AND SPECIFICATIONS FOR 216 DESIGNS OF Farm Structures at your 4-SQUARE DEALER

SEE HOW EASY AND ECONOMICAL IT IS TO PLAN AND BUILD THE 4-SQUARE WAY!

Whether you're going to build new buildings or remodel the ones you have, you should take advantage of the 4-Square Farm Building Service. It includes 216 designs for all types of farm structures. It is ready for your use at the office of your 4-Square Lumber Dealer. You'll get a lot of new ideas on buildings—how to increase profits by providing better and more economical housing for livestock, crops and machinery.

Economy is the foundation of the 4-Square Farm Building Service. Agricultural engineers designed strong, good looking buildings for efficiency and low cost erection by specifying the use of standard, ready-to-use materials.

Improved, ready-to-use 4-Square Lumber fits these plans accurately. 4-Square Lumber is economical to use because its exact lengths and sizes eliminate needless sawing, fitting and material waste. Its squared ends and edges make for tight joints and full bearing. 4-Square Lumber promotes better workmanship even in the hands of unskilled labor.

See your 4-Square Lumber Dealer. Look over his 4-Square Farm Building Service and examine the improved, ready-to-use 4-Square Lumber which he has in stock. And to help you in planning your building program, write for the free book illustrated below.



CORN CRIB—72203

SILO—F2401

THE 4-SQUARE FARM BUILDING SERVICE

216 designs of Farm Buildings and Equipment designed by agricultural engineers—complete with blue prints and specifications. There is a size and type of building to suit your program and preference at a big dollar saving. Examine it at your 4-Square Lumber Dealer.



GREATER FARM PROFITS FROM BETTER FARM BUILDINGS

describes the 4-Square Farm Building Service, shows the value of sound engineering design and how to get buildings that pay for themselves. Write for copy. It's free.

THIS BOOK IS FREE USE THE COUPON



To Outwit Milk Stone

Accumulation of milk stone in milking machines and other dairy utensils is often the source of high bacterial counts in milk. Ordinary methods of cleaning milking machines are not effective in preventing the formation of milk stone. Investigation in Michigan has shown that rinsing the milk tubes and metal parts with detergent mixture containing 20 per cent sodium metaphosphate prevented milk stone accumulation and lowered bacterial counts.—G. H. Beck, K. S. C.

Feeders Gather May 17

Cattlemen of Kansas are invited to Manhattan, May 17, for the 29th annual Kansas Cattle Feeders' Day, to be held on the campus of Kansas State College. According to Dr. C. W. Campbell, head of the college department of animal husbandry, this year's program will include the 3 usual features which have characterized feeders' days in past years.

One of these features is a report on feeding experiments conducted during the current year. Another feature is the program of speaking by persons having important connection with the livestock industry, and last but not least is the question box.

Feeding experiments to be reported on this year include 4 tests, involving the use of 12 lots of cattle. Studies made in these tests include the following: Influence of feed upon color of beef—both lean and fat; comparative value of Wheatland milo, Colby milo and corn as cattle-fattening feeds; a comparison of methods of utilizing grass in fattening steer yearlings and heifer yearlings for market; and the practice of purchasing calves in the fall, wintering, grazing and marketing as feeder yearlings the next fall.

Among the scheduled speakers is G. B. Thorne, of Wilson and Company, Chicago.

4-SQUARE LUMBER

THE LUMBER FOR THE FARM

4-Square Lumber is the best and most economical building material for all farm construction. Available in many species and grades for every building need; cut to exact lengths, squared on ends and edges, thoroughly seasoned, 4-Square Lumber lowers costs, reduces waste, promotes better construction.

Copyright 1941 Weyerhaeuser Sales Company



WEYERHAEUSER SALES COMPANY
 216 First National Bank Bldg., St. Paul, Minn. KPF41

Please send free book "Greater Farm Profits from Better Farm Buildings". I want to build.....

Name.....
 Address.....
 Town..... Co..... State.....



These 2 prize-winning Shorthorns from the herd of John Regier and Sons do their share to boost the wealth and fame of Butler county.

By ROY FREELAND

WHEAT, oil and beef! If you were to name the truly representative Kansas products, these 3 might rank at the top of your list. It is not surprising then that a county richly endowed with all 3 should rank among the more prosperous and well-to-do regions of Kansas.

Such is the position of Butler, largest of all Kansas counties. Driving thru this county, you see great herds of beef cattle grazing luxuriant native grass, under the very shadow of stately oil derricks. Mingled into the general design are broad fields of wheat which stretch away toward the horizon in every direction.

In terms of total value, oil ranks first, beef second, and wheat third. But observing genuine benefits to people of the county as a whole, you could conclude the greatest of these 3 products is beef. This is evidenced in part by the fact that Butler has the greatest cattle population of any county in Kansas. With numerous herds of state and national acclaim, it holds an enviable place of prominence in purebred cattle production. At the same time, management of commercial cow herds, handling of steers and calves and grazing of pasture cattle all con-

tribute to the wealth and fame of Butler county.

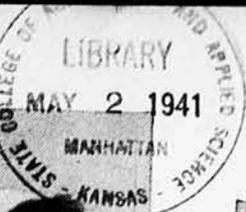
However, the true greatness of the beef industry there is illustrated plainest of all by an area in the extreme northwest corner of the county, where neither oil nor wheat are of such great importance. This area includes the community of Whitewater, often spoken of as the deferred feeding capital of Kansas.

Last year in the state-wide beef production contest, 6 of 7 winners in the grain-fed yearling class were from the Whitewater area. The story of these cattlemen tells how their community has kept pace with other parts of the county where oil flows more freely.

As explained by Hans Regier, purebred Shorthorn breeder, and a winner in the feeding contest, a sound foundation for this important feeding area was laid, more than 10 years ago,

Left—G. A. Harder explains to County Agent Lot F. Taylor he has found it does not pay to handle feeder calves by the methods employed with heavier cattle.

Right below—John H. Wiebe, who has fed cattle since he was a boy, declares deferred feeding is the safest and surest type of beef production he has ever practiced.



J. D. Joseph, banker and stockman, below, who has played an important role in developing this area.



L. E. Zimmerman, secretary of the Whitewater Chamber of Commerce.



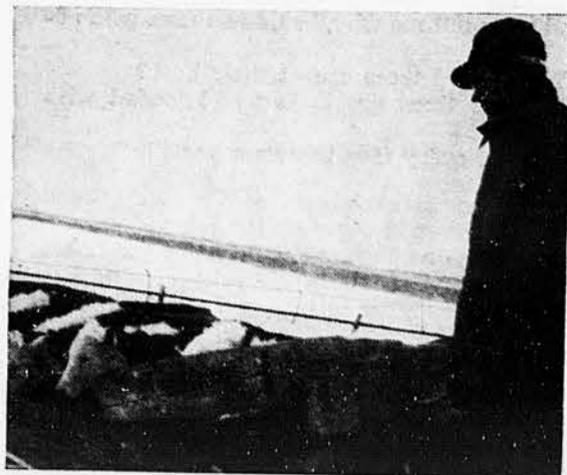
Beef

by community leaders who set out to find the most suitable system of livestock production for their particular conditions. They traveled to Manhattan for a meeting with experienced stockmen and agronomists.

In this meeting the Whitewater men voiced their problems. They pointed out that feeding mature steers is not always a safe practice. However, their area doesn't have enough pasture for extensive management of commercial cow herds for home production of calves. They explained that sorghums are the surest of all crops in their area, and that roughage feeds usually can be produced in abundance.

The answer came quickly. Deferred full-feeding of calves was recommended as a safe and profitable system, made to order for their conditions. They were advised to purchase good-quality, medium-weight steer calves in the fall. The plan provided for carrying these calves thru the winter with roughage and a light amount of grain. By May, the calves were to be turned out on grass for 3 months, with this usually followed by 90 to 100 days of full feeding, preparatory to marketing in the fall.

Several variations [Continued on Page 14]



Right—In the Kansas Beef Production Contest last year, C. J. and P. U. Claassen won second prize with 15 Hereford steers that sold for an average of \$12.12 and returned a net profit of \$41.85. This picture, taken in the winter, shows C. J. Claassen with his replacement cattle for 1941, which will be ready for market this coming fall.

Comment

By T. A. McNeal

I HOPED when the last issue of Kansas Farmer Mail & Breeze was in the mail that the world outlook might be at the turning point and show signs of improving. I regret to say that I can see no indication of improvement. On the contrary, world conditions grow worse and it looks as if they may continue to grow worse until all Europe will be dominated by the dictator, Adolph Hitler, and the great British Empire may be standing at the brink of defeat.

How utterly foolish, how utterly wrong is war. It has not a single redeeming objective. It is the foe of progress, the supreme enemy of human liberty. We continue to talk about human liberty and glorious democracy, but the words just at present are almost meaningless. Such government as there is now is the government of force, most ruthless and cruel.

The war will end, of course. I cannot understand how it has continued as long as it has, but, when it is over, the present outlook is that the entire so-called civilized world will look like a landscape which has been subjected to a most devastating storm of wind and flood and possibly earthquake.

I believe that Hitler and his lieutenants are mostly to blame for the present condition, but I also believe that if the British government had been wise, most of the present horrible condition might have been avoided. I am of the opinion that even such peace as may result from exhaustion of the powers engaged in the war will not be any more permanent, and quite probably not as permanent, as was the peace resulting from the World War of 1914-18. I think the United States will be more deeply involved after this war is ended than it was involved after the close of the last World War.

Hitler may and probably will be ruler over Europe, but it will not be a willing allegiance rendered by the conquered nations. They will hate him and their bonds of servitude and only wait for an opportunity to break their fetters.

In the United States we may still claim to have a republic in which the people will really rule, but republic will be mostly a meaningless word. We will be burdened with the largest and

The Flower Season

By ED BLAIR
Spring Hill, Kansas

"The garden and flowers and orchard are fine,
A picture attracting the eye,
Let's stop," said the passerby, slowing his car,
"And ask of the keeper just why."
And soon in the garden they wandered about
Admiring the flowers and trees
That seemed to be growing so wonderful there,
Yes, growing in beauty, at ease.

"I wish some of these and a sprout, too, of that,
And how can you make this one bloom?
I've tried it each year but my work was in vain,
Altho I gave plenty of room;
And pray tell me why," said the man who ad-
mired,

"The orchard trees are at their best?
Why your trees are leafing and loaded with
buds
While for every tree there's a pest!"

"Just 12 months each year," said the lady, "is all
That you must be right on the job.
In winter some flowers should be in the house
Or freezing your labors will rob;
And the trees must be wrapped ere the wintry
days come

And sprayed from December to June,
And then if the rainfall is plenty, perhaps
You'll have what we have pretty soon!"

most expensive military government of any nation in the world and will be taxed to the limit of our ability to pay and probably will not be able to carry the load.

I would advise every farmer with a family to get hold of a small tract of land, if possible, and build on it a comfortable house and keep the property clear of debt. I would not say that he must not have other land, but I most strongly advise that this small tract and his home must be kept clear of debt so that if he should have to lose the rest of his land from excessive taxation he will have this small tract clear. A man with a family and a few fertile acres of land and a comfortable home entirely free from debt can at least live. The lands will produce just as much as they ever could. The man and his family cannot get rich under this plan that I have in mind, but neither could they be driven out to starve.

I cannot see into the future. That future may be brighter than it seems. There is no real reason for this being a miserable world. In fact, it is possible now for everybody in the world to live more comfortably than ever before, because there is more opportunity to acquire the knowledge of how to live than there ever was. It is far more convenient to get about than ever before. The only trouble with the world is that it is governed by stupidity and fear. There is no need for war. No nation should ever engage in war except possibly to defend itself from attack, and if every nation lived up to that rule, war would necessarily cease. No nation would attack and consequently there would be no need for any nation, large or small, to go to war to defend itself.

The great problem of production and distribution has not been solved and just now there is no indication that it will be solved. Yet there is no good reason why it should not be solved. Human greed, human ignorance and human folly are the factors in the way of solving the great problem of production and distribution, and I regret to say that I do not see much prospect of getting rid of these factors.

There are those who believe that the Christian religion will solve the problem, but it seems to me that religion has utterly failed. I think that the reasons for its failure are its inherent defects, but I do not care to get into an argument on that question.

I still live in hope that the marvelous possibilities of the human mind will yet remove the barriers to progress and bring about a far better world than we have now or than seems possible in the near future.

Is Mortgage Outlawed?

IN THIS case, A sold B a piece of land 10 years ago. B paid half down and gave a note and mortgage back on the land for the balance. B hasn't paid any interest on the note for 7 years but kept up the taxes. Can A foreclose on this land, or is the note and mortgage outlawed?—A. B.

This question does not give the information that is necessary for me to have before I can give a definite answer. It says A sold a piece of land 10 years ago to B who paid half down and gave a note and mortgage on the land for the balance. He does not say how long a time this note and mortgage was to run. The statute of limitations would begin to run at the time the

note and mortgage were due, and if no payment was made after that time for a period of 5 years, B might plead the statute of limitations.

B has not paid any interest for 7 years. If this note and mortgage ran for a period of say 5 years, the statute of limitations would begin to run 5 years ago and probably has run long enough so that B could plead the statute of limitations. However, B it seems has paid the taxes and I am inclined to think that might be held to be sufficient to keep the note and mortgage alive, altho it is not a direct payment of either interest or principal.

Depends on Court

IF THE COURT sells an estate can the heirs or part of the heirs hold out their oil right?—G. K. H.

It would depend upon the nature of the action and the order of the court.

Use Both Names

A MAN and wife bought a farm and have paid for it out of their crops and earnings since their marriage. Their 2 children are dead. The deed was made out in the man's name. If the husband died, would this deed give the wife sole ownership in Kansas if his relatives asked for part of it? If they were both killed at the same time would the farm go to his heirs? Is it always best to have both names on the deed?—A Reader.

I understand the deed of which this reader speaks was the deed to the farm that was bought by this husband and wife but the deed was made out to the husband. It should have been made to both the husband and wife, as they are joint owners.

At the death of the husband, as there are no children, the wife would inherit all of the property, personal and real, which was held in the name of the husband. The deed really would have nothing to do with this at all unless the husband saw fit to make a will. He might will part of his property away from his wife but he could not will more than one-half of it away from her.

If the husband and wife were both killed at the same time and neither had made a will, and as the title to the property was in the name of the husband, the property would go to his heirs and his relatives.

KANSAS FARMER

Continuing Mail & Breeze
Vol. 78, No. 9

ARTHUR CAPPER Publisher
MABCO MORROW Assistant Publisher
H. S. BLAKE General Manager

EDITORIAL STAFF

T. A. McNeal Editor
Raymond H. Gilkeson Managing Editor
Roy Freeland Associate Editor
Cecil Barger Associate Editor
Ruth Goodall Women's Editor
Lella J. Whitlow Children's Editor
J. M. Parks Protective Service
Dr. C. H. Lerrigo Medical Department
James S. Brazelton Horticulture
Mrs. Henry Farnsworth Poultry
T. A. McNeal Legal Department
Ellis J. Kuehn Art Director

Roy R. Moore Advertising Manager
R. W. Wohlford Circulation Manager

Published every other Saturday at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered at the post office, Topeka, Kan., U. S. A., as second class matter, under Act of Congress of March 3, 1879.

Please notify us promptly of any change in address. No need to miss a single issue of Kansas Farmer. If you move, just drop a card, giving old and new addresses, to Circulation Department, Kansas Farmer, Topeka, Kan.

One year, 50 cents; three years, \$1.

Farm Matters

AS I SEE THEM

I AM RATHER puzzled, and somewhat disturbed, at the contradictory attitudes toward agriculture taken by the Department of Agriculture and the Treasury.

On the ground that the export markets for wheat have been lost, for some time to come at least, the Department of Agriculture is asking wheat growers to impose marketing quotas upon themselves. It also is announced, so far unofficially, that an acreage reduction of between 10 and 13 per cent will be included in the national wheat program for next year.

Then last week, Secretary of Treasury Morgenthau appeared before the House Ways and Means Committee and suggested that Congress reduce expenditures by a billion dollars. Asked where the cuts could be made, he pointed to soil conservation payments of 500 million dollars a year; Civilian Conservation Corps and National Youth Administration expenditures of some 370 million dollars a year; and the other 130 millions from public works expenditures.

Under cross examination by Representatives Frank Carlson, of Kansas, and Willis Robertson, of Virginia, he modified his statement to a suggestion that Congress might re-examine the entire farm problem.

Secretary Morgenthau already had urged strongly, in a press conference, that the House should refuse to accept the Senate amendments to the agricultural supply bill increasing parity payments for a 2-year period from 424 million dollars to 662 million dollars. The Secretary insists that none of the "social gains" of the last 8 years be sacrificed to the national defense program. But he freely suggests that the sacrifices be borne by the farmers who have lost their export markets, and by the boys and girls under the CCC and NYA programs.

"Boys over 21 can enlist in the army, instead of the CCC," Secretary Morgenthau suggested.

The Treasury attitude toward agriculture is in line with a strong public sentiment in the metropolitan section of the nation, and in some Administration quarters. The solicitude for the consumer and the Treasury is rather interesting. Let's take a look at the situation.

Secretary Morgenthau himself told the House Ways and Means Committee that national defense spending the coming fiscal year will amount to 12 billion dollars, plus whatever is expended under the lend-lease act.

"All that money will go into the pockets of the American people," said Secretary Morgenthau.

But none of it will go to the wheat growers in the form of increased income, anyway I can figure it. The United States market for wheat will be no larger than before the war; it will be smaller. Wheat growers will be told to reduce wheat planting acreage. Wheat prices are away below parity, and volume of wheat sold will be reduced thru loss of export markets.

Now, when wages of coal miners were increased a dollar a day, that means the consumers of the United States will pay 200 million dollars a year more for coal in the coming year. Steel workers have drawn a 10 cents an hour increase in wages—another 100 million dollars a year. No voice from the Administration was raised in defense of the consumers.

But just as soon as it is proposed to replace losses in farmers' incomes by conservation and parity payments, then comes a solicitude for the consumer that is touching, to say the least.

Uncle Sam is pouring out more than a billion dollars a month into industrial and workmen's pockets the coming fiscal year; now it is proposed to reduce farm incomes of wheat and cotton growers, who are already losing heavily as a result of the war, in the name of economy and to protect consumers.

I just cannot see it. This defense spending is bringing prosperity, temporary but real while it lasts, to the industrial sections, but not to the Farm Belt.

I say this is no time to cut down on parity and conservation payments, especially to producers of those basic farm commodities which have lost their export markets. I say this is a time when these payments, if anything, should be increased, to prevent a still further and perhaps fatal disparity between purchasing power of industry and agriculture. So I shall continue to work for parity income for agriculture, and very frankly, since that cannot be obtained under present conditions from sale of these farm commodities in the only market left, the domestic market, I shall work for payments from the Treasury.

I shall support the program to increase taxes during the emergency. I believe at least two-thirds of government expenditures during the emergency should be paid from current taxes. The federal government debt already is too large to be viewed with equanimity. Also, I believe that by increasing tax collections some 3 to 4 billion dollars, we may be able to hold down the runaway price inflation that is threatened by increased government spending.

Arthur Capper

Washington, D. C.

FROM A Marketing VIEWPOINT

By George Montgomery, Grain; Franklin L. Parsons, Dairy, Fruits and Vegetables; R. J. Eggert, Livestock; C. Peairs Wilson, Poultry.

Do you think it advisable to buy dairy heifers in Texas and bring them to this locality?—H. S., Jackson Co.

Purchasing dairy heifers now may not prove to be profitable, since they are relatively high in price and it may be a few years before they are good dairy cows. By that time there may be a post-war depression, with low prices for dairy products. If it is desirable to increase the size of the herd, why not buy cows already in production to have products for sale during the few years when business is booming and prices are good?

In regard to the government program to support certain agricultural prices, what will be the effect on prices of eggs and chickens?—A. H., Anderson Co.

The program, as announced, will support egg prices at 22 cents a dozen and chicken prices at 15 cents a pound at Chicago. Egg prices probably will be prevented from going below present levels during the late spring and early summer. The usual seasonal price rise may be expected next fall. The an-

nounced price for chickens is well below present levels, and the program probably will have little effect in the immediate future but may offer some support to chicken prices at the time of the seasonal low in the late summer or fall.

What would be the best time for a non-co-operator to sell wheat he has in bin if quotas are voted?—W. A. W., Jackson Co.

It is possible that the market price of wheat at harvest time will be substantially less than the loan rate and may be even less than the current market price. Present conditions indicate that there will be much congestion of storage facilities in terminal and sub-terminal markets.

I have had some good-grade steers on feed since December 1, but they still lack proper finish for slaughtering purposes. Will the future market justify my buying more corn to finish these steers?—J. A. L., Wilson Co.

Available evidence indicates that prices of the better grades of slaughter cattle will continue a moderate, seasonal downward movement during the next 4 weeks, followed by some recovery by late June and an upward seasonal movement during the summer

and early fall. However, on the basis of present feed prices and considering the difference in price between feeder cattle and slaughter cattle of the same quality and conformation, I doubt that prices will drop enough to warrant your selling these cattle as feeders. Federal reports indicate about 16 per cent more cattle on feed this year than last, but it is unlikely that the additional market movement during the next 2 months will be enough to depress prices much further. Furthermore, expanding consumer incomes are an offsetting factor.

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	\$11.00	\$12.25	\$11.40
Hogs	8.85	8.25	6.10
Lambs	11.00	12.50	11.15
Hens, 4 to 5 lbs.....	.18	.17½	.13½
Eggs, Firsts20½	.21	.15¾
Butterfat, No. 1....	.30	.32	.23
Wheat, No. 2, Hard ..	.87½	.90	1.07
Corn, No. 2, Yellow ..	.66½	.65½	.70¾
Oats, No. 2, White..	.37	.38¾	.42
Barley No. 2.....	.50	.47	.57½
Alfalfa, No. 1.....	14.00	14.50	17.50
Prairie, No. 1.....	9.00	9.50	8.50

Hog Cholera Threat

Danger of another possible increase in hog cholera outbreaks this spring, in the wake of continued increases for the last 3 consecutive years, was reported in a bulletin issued this week by the American Foundation for Animal Health.

The Foundation's report urges all farmers to be especially on guard against hog cholera this spring, pointing to the fact that the disease seems to occur in cycles and that at present the cycle seems to be on the ascendancy.

"Cholera outbreaks showed a 30 per cent increase in 1938, compared with 1937," the report states. "Another 25 per cent increase was recorded in 1939 and an additional 12 per cent increase was reported up to June, 1940, the latest national figures available. "There were 7,023 outbreaks of serious proportions recorded in last year's totals, not counting the many thousands of lesser outbreaks which were not officially reported to governmental authorities."

In view of the increased threat and the higher hog prices prevailing, authorities point out that swine growers will be wise to have pigs vaccinated against cholera as early as possible this season.

Visiting With Livestock Men

Shows Why They Are Successful

RENEWED activity in herd building brings out a good deal of interesting experience information from seasoned cattlemen. On another page in this issue, you will find their composite opinion on vaccination for Bang's disease, artificial breeding, what to tell the young man starting in the business, and what they think is ahead in prices and demand. But here we visit with some of them on numerous other subjects. This visit will be continued next issue, also.

Fred Yarrow, Clay Center: You tell the young man starting with livestock that he should be willing to work 12 months in the year, have a good pasture that can be visited once or twice a week, a silo, a good supply of water, plenty of straw and alfalfa. Must watch livestock closely. Our Shorthorn herd was started in 1921, with the purchase of a registered bred heifer; later, we bought more bred heifers, but already had some grade cows. Since that time we have made a practice of buying good herd bulls. Each year we retained the top 3 or 4 heifers from the best cows. We now have 30 registered females, all except one our own breeding. We get a uniform crop of calves and run no risk of getting disease in our herd. Sorgo silage is satisfactory in our locality. For a herd of 50 mixed-age cattle, 20 to 25 acres is not too much feed.

Keith Swartz, superintendent, Eylar Ranch, Denton: This Angus ranch herd was started in 1932; imported a bull from Scotland in 1934, bought 50 outstanding females from top outfits like the Hollinger herd. There are 1,400 acres in the ranch. Pasture is one of the most important things in raising livestock. We haul manure and seed the thin spots. Have seeded alfalfa and will let it go to bluegrass. We sow sweet clover, red clover and lespedeza as nurse crops for pasture. Use corn and Atlas sorgo silage. We creep-feed our calves. Get most of them in the fall and by the time we are ready to turn out on pasture we take the calves off the cows and keep them right on feed, and they do very well. We do not crowd the heifers, but keep them in good condition. Fall bull calves sell well. Have been showing cattle from here the last 2 years. We took part in the Northeast Kansas Show Herd. We have 90 head of females now and intend to have 150 head.

E. A. Stephenson, Kingsdown: Use of roughage grinders is spreading rapidly in this country, showing that they must be practical to users. Am very much interested in the practical working out of an artificial insemination program in beef cattle. Sorgo silage is valuable in this country when the tonnage is great enough so it can be put up at a cheap figure. The field cutters and trench silos, close to the field where the crop is raised, work nicely in heavy yields. Pasture contouring, deferred grazing and light grazing are all great factors in grass improvement. All pastures will produce more beef if they are run light enough to allow a good growth of grass to be eaten off after maturity in the fall. We have Herefords down here.

John W. Vawter, student at Kansas State College, Manhattan: My Shorthorn purebreds now number 14, counting the new bull. I started with 2 heifers and a bull in 1932 as my 4-H Club project, and still have one of my original cows. Several large breeders have told me I have a couple of the best bloodlines there are in Shorthorns. My father had Shorthorns. I had some hard luck with my cattle, losing 3 of my first-born heifers, and the other cow raised 4 bulls, making a poor start. Had to buy a lot of feed, also. We use pasture rotation, have 2 large ones, about 725 acres; use one a while and then change over to the other. Must

see that there are plenty of minerals in the cattle feed.

Arthur Schrag, Pretty Prairie: Started our Hereford herd in 1928, and it has been increased mostly by the reproduction of one cow. We are striving to improve by severe culling. Have found the Hazlett breeding much to our liking and therefore are carrying mostly Hazlett blood. Have culled our herd to the limit and are only carrying 22 head of breeding stock. We find that buying quality cattle in plain stocker condition has proved more satisfactory than buying finished show stock. All in all, we have found that thru the years our calf crop has been one of our surest and best-paying crops. Our herd has been wintered on silage, cane hay and a small amount of alfalfa hay, and is in good stocker condition.

J. A. Lohrentz, Moundridge: Keeping cattle in good condition cannot be over-emphasized; will create more buyer interest. In 1936, I bought 4 Polled Shorthorn heifers. Later, a few were added. The herd at present numbers 19 head of females, including calves. Find it helpful to rotate pastures; have used Atlas silage for years, and it would be seriously missed if not available.

Johnson Brothers, Delphos: Our experience in building up our Shorthorn herd in quality has been thru the use of good bulls and in feeding the herd so they make maximum growth as calves and yearlings. We use corn or sorgo silage, plenty of alfalfa hay and wheat pasture with little grain feed. Native pastures provide plenty of feed for 6 months of the year, allowing about 5 acres to the head. The herd was established in 1911 with 12 head of cows, soon increased to 50 head by keeping the best heifers, and still maintain 50 breeding cows.

V. V. Long, Jr., superintendent, VV Ranch, Meade: We purchased this ranch in the winter of 1933. Much of the place had been over-pastured. To improve this situation we employed deferred grazing, contour listing, cactus removing and water storage dams. Crop lands were greatly helped by contour plowing, terracing and rotation. Most of our crops are of the sorgo family and they fill the silos every year. We stocked the place with grade Herefords and used purebred bulls. In 1934, we bought a purebred herd of Herefords from Vanderpool and Son; later a small herd from G. R. Steward and Son which contained outstanding individuals. Always use outstanding

bulls. Today we have 2 distinctive cow herds of superior quality.

A. W. Homburg and Sons, Ellis: With our Shorthorns, we have used purebred registered bulls for the last 14 years. The improvement was so good that 3 years ago we decided to buy some registered cows. Up to now we have 25 registered Shorthorns of which we are proud. Bought a low-set roan bull sired out of the Tomson Brothers herd at Wakarusa this spring to head the herd. It is a good idea to remember that one well-bred heifer will pay back more than 3 cheap heifers. Silage brings our cows out in spring in good condition to go on grass.

R. O. Winzer, Leon: With a purebred herd, be sure and give your young stock a chance to develop the first 2 years. That is the most important time in their life. If they are half fed and neglected, they never will be what they should. Bought my first registered heifer, a Hereford, in January, 1921, at the Wichita Stock Show and Sale. Same spring I bought 2 more 2-year-old heifers and 2 cows with heifer calves, and haven't bought a single female since. Pasture is your insurance for largest gains for smallest cost. With Atlas silage and alfalfa hay you have a feed hard to beat for your breeding herd; at present we are using 3 silos and have 60 acres of alfalfa.

Bran is a wonderful feed for young stock as it acts as a conditioner. Another valuable feed is barley for fitting show animals; it puts on an even covering of flesh where too much corn will leave them patchy and hard.

V. E. DeGeer, Lake City: Started with registered Shorthorns about 35 years ago, partly because my father had some, and because of their all-around practical usefulness of turning farm feeds and grasses into licking good beef. Pasture is one of the first considerations with us—native, all-year-around grasses here.

Fun at Home

Recently, Kansas Farmer conducted a contest in which folks were asked to submit letters telling how their family group played together. So many good ideas came in on this subject, we selected the best ones and put them in a leaflet in order that we could pass them along to others. If you would like a copy of this FREE leaflet on "Homemade Fun," send your request for it to Lelia Lee, Kansas Farmer, Topeka.

Galen C. Eddy, Havensville: Be sure your interest in, and enthusiasm for, registered stock is lasting, because the financial gain of the first years probably will be less than it is with commercial cattle. If a beginner, when buying your foundation stock, take an expert cattle judge with you. If I were starting again to build a herd, I would buy a few good cows with calves at foot and, if possible, rebred. Don't pay exorbitant prices, but since this is your seed stock, don't let a few dollars mean the difference between a good individual and a plain one. Bought my first registered Herefords in 1937, a bull from Hazlett and 10 registered heifers from Robert Kolterman at Wamego.

R. E. Frisbie, Beardsley: Along with knowing and breeding quality livestock, the most important thing to consider is feed. Sufficient pasture should be available, and its proper management is of extreme importance. My Hereford herd was established in 1932. If you remember, that was an ideal time to start. Feed was plentiful and cattle cheap.

(Continued Next Issue)

Breaks Record for Judging

A CROWD estimated at 2,500 persons flooded the Ralph Poland farm, Junction City, for the sixteenth annual Better Livestock Day, April 17. This event, sponsored by Angus breeders of the Junction City-Chapman community broke all previous records for judging contest competition.

Kansas 4-H Club and vocational agricultural boys and girls totaling 820 took part in the big forenoon contest. The competition included 46 boys' 4-H teams, 13 girls' 4-H teams, 41 vocational agriculture teams, and 520 individual judges. Official placings were made by F. W. Bell and J. J. Moxley, of Kansas State College.

First place in the competition for boys 4-H teams went to a group representing the Kaw Valley 4-H Club, from Shawnee county. Members of this team were Clyde Cochran, Gene Allen and Kenneth Schlitz. Individual high honors in the 4-H division were claimed by Grant Poole, Geary county, and Lloyd Rohe, Clay county. The 2 tied for first place with scores of 436 points out of a possible 450.

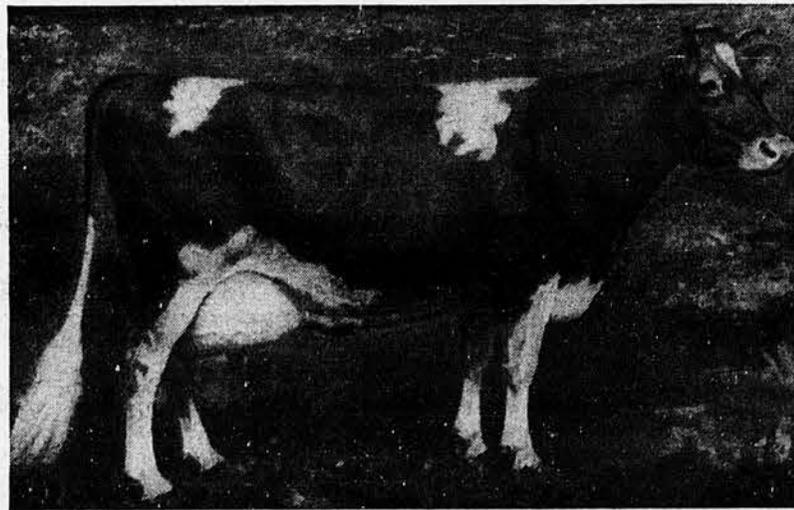
Best of the girls 4-H teams was one representing the Welcome 4-H Club, of Geary county. Members were Donna Lee Brown, Louise Morgan and Dorothy Zimmerman. Miss Brown was high-ranking individual among the girls, with a score of 434 points.

Three boys from the Clay Center community high school scored 1,261 points to win first place among the 41 vocational agriculture teams. Members of this team were Roland Young, Thaine Schaffer and Wade Sauer. R. H. Perrill is their coach. Dale Cox, Wamego, was highest-scoring individual in the vocational agriculture competition, with 433 points out of a possible 450 points.

Featured speaker of the afternoon program was Walling Dykstra, formerly of London, England, who discussed "Experiences in London." Mr. Dykstra, now manager of the International Co-op, with headquarters at Kansas City, predicted that if Germany wins the present war she must win by means other than that of invading the British Isles. Mr. Dykstra is confident that Britain's defense is now built up to a place that successful invasion is out of the question.

Mr. Dykstra told the farmers and stockmen that reports of air-raid casualties should not be taken too seriously because the figures are not nearly so bad as they might appear. He reminded that air-raid casualties in London are no greater than auto accident casualties in New York.

Made-to-Order Milk Cow



Ideal of the Guernsey breed is this made-to-order cow. Guerneys are getting more popular and making more progress as a dairy breed. During the depression decade Guerneys increased 56.2 per cent in Kansas and 59.3 per cent in the United States, putting the breed in second rank as to numbers. There were 678 Guerneys registered in Kansas during 1939, and 587 in 1940.

27 Years of Cattle Feeding

At Fort Hays Experiment Station

JUDGING contests, meat cutting and a general discussion of cattlemen's problems featured 2 days of entertainment for Kansas farm people, at the Fort Hays Agricultural Experiment Station, April 25 and 26. On Friday, about 800 4-H and vocational agriculture youths competed for prizes in judging of livestock, grain and clothing. Greatest number of entries was in the livestock division, where official placings were made by Prof. F. W. Bell, noted livestock judging coach, at Kansas State College.

This was followed by the annual roundup program on Saturday. Highlighting the roundup was a demonstration showing the influence of herd sires on weight and rate of growth of calves. Experimental work of this nature now in progress under the supervision of L. C. Aicher, superintendent of the Hays Station, shows remarkable weight advantage for calves from the thicker-fleshed, blockier and more heavily quartered bulls.

A popular feature of the program was the meat cutting demonstration conducted by Prof. D. L. Mackintosh, in charge of meats at Kansas State College. Attention to this part of the program revealed an intense interest in skillful methods of cutting and preparing meats.

Will J. Miller, state livestock sanitary commissioner, brought the cattlemen a report of progress in the vaccination of calves as an aid in control of Bang's disease. Mr. Miller reports that virtually all livestock sanitary officials in the United States are now giving attention to this new development. Mr. Miller explained to the Kansas cattlemen that, for the present at least, Eastern states will continue to follow the test-and-slaughter plan and supplement it in some instances with calfhood vaccination. The Federal Bureau of Animal Industry has not established regulations governing calfhood vaccination because of the fact that problems of the various states can best be solved by each state working out its own program.

Reviewing 27 years of cattle feeding experiments at the Fort Hays Station, Dr. C. W. McCampbell, of Kansas State College, touched on some tests of vital interest to Kansas cattlemen.

Giving considerable attention to investigations with sorghums, Dr. McCampbell told of the tests which indicated that kafir harvested for silage produced 120 per cent more grain to the acre than kafir harvested for fodder. Other tests indicated that grinding of fodder increases the gains by 28 to 46 per cent.

Dr. McCampbell reviewed experiments comparing the value of kafir, Atlas and corn, for silage. On the basis of results it was assumed that there is little or no difference in value of the feeds when all are grown under similar soil and climatic conditions and are ensiled in the same manner. Another test indicated that cattle handle kafir

grain in silage twice as efficiently as kafir grain in bundle fodder.

Calves made more gain to the ton and to the acre from both fodder and silage than did yearlings. Cattle wintered on silage were found to make just as good gains on grass the following spring as cattle wintered on dry roughage. From this result it is assumed that degree of fatness, rather than kind of winter feed, determines amount of gain that cattle will make on grass.

Reaching back for material from the dry years, Dr. McCampbell reviewed experiments with Russian thistles which revealed that the thistles have feeding value which can be used in times of emergency. Tests comparing the value of cane hay and Sudan hay indicated Sudan hay to be the better of the two.

Experiments testing the advisability of feeding a protein supplement with non-legume roughage, have proved emphatically that the protein is a highly valuable addition to cattle rations. Comparing the value of different protein supplements it was found that cottonseed meal and corn gluten meal are virtually equal in value, and that both rank above soybean oilmeal, linseed oilmeal, tankage, and peanut oilmeal.

Comparing cottonseed meal with bran, it was found that 3 pounds of bran contain more value as a protein supplement than 1 pound of cottonseed meal. One pound of cottonseed meal equals 3 to 4 pounds of good to choice alfalfa hay in supplying protein to the ration.

Discussing the question of limestone, Dr. McCampbell reminded that finely-ground limestone is an essential part of any cattle fattening ration that does not contain liberal amounts of legume hay, but the need of additional calcium is less in stock cattle winter rations than in cattle fattening rations. It is not necessary to add phosphorus to stock cattle winter rations when cottonseed meal is fed as the protein supplement.

Tests conducted at the Hays station showed no advantage for so-called fly salts designed to lessen the annoyance from flies. Probing the subject of when heifers should be bred to calve, it was found that best results are obtained by having heifers calve at 3 years of age, rather than at 2 years old. It is highly impractical to breed heifers to drop their first calves at 2 years of age if they have not been fed a liberal amount of grain, or its equivalent, in addition to a protein supplement and all the roughage they will eat, each winter until they drop their first calf.

Another test indicated that cattle winter better when fed in relatively small but well-drained enclosures, rather than when allowed to roam over large areas. Tests at the Hays station give information to help in formulating satisfactory winter rations for stock calves. For best results, feed all the sorghum silage, bundle sorghum, ground bundle sorghum, sorghum hay or Sudan hay the calves will eat. Along with this add 1 pound of cottonseed meal, linseed meal, soybean oilmeal, or corn gluten meal. Two pounds of bran or 4 pounds of alfalfa hay may be substituted for the 1 pound of concentrated protein supplement.

Army Moves In

More than 170 farm families are moving off their places in Geary county to make room for the army. An expansion of the Fort Riley Military Reservation calls for the addition of 32,000 acres, now being used as farming land.

Altho only 170 farms are included in the area, it actually affects 250 families, either as landlords or renters. According to Paul B. Gwin, Geary county agricultural agent, the land is being evacuated by an appraising com-

mittee. Average prices for the entire area, he says, will be around \$40 an acre.

Mr. Gwin explains that the area being taken is about 50 per cent pasture land and 50 per cent crop land. A few of the farmers are glad for an opportunity to sell, but most of them are reluctant to leave their places. In many instances renters are affected more seriously than landowners. This is because it is a difficult time of year for them to find another place to rent. Landowners will have the money from their farms and should have a better chance of finding a desirable place to go to.

Most of the land in this new addition lies due north of the old part of the Fort Riley Military Reservation, near Junction City.

IRRIGATION PUMPS



Western Centrifugal and Turbine Pumps for deep well, shallow well or river pumping. Write for catalog and complete information.

Western Land Roller Co., Box 16, Hastings, Nebr.



MIDWEST HEAVY DUTY GRAIN BINS

Order now before prices advance and while bins can be made. Safe storage. Can be sealed for loans. 7 sizes 500 bu up. Agents wanted. Midwest Steel Products Co., 728D Delaware, Kansas City, Mo.

Now... A Faster, Freer Harvest

in All Crops.. All Acreages



Auger-type, rub-bar "K" - the 12-footer with 16-foot capacity, favorite for big acreages.

Capacity Where It Counts

Gets More of the New Crop Wealth

When you come face to face with harvest and you must reap the reward for a whole year's work in a few crowded days, the one thing that counts is CAPACITY. Experiment station tests simply prove what experienced combine owners already know—that success in saving every possible kernel... success in going right along without trouble or delay... is mostly a matter of working well within the machine's CAPACITY.

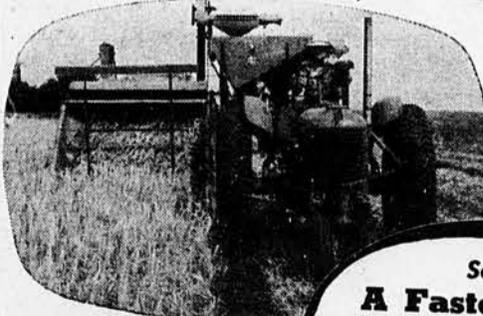
That's why it's worth so much to you to have the kind of capacity that counts in a combine... the capacity that Case has learned how to build by a hundred years of specialization on grain and seed saving machines. Not mere cutterbar measure, but

extra capacity to thresh stubborn kernels from tough heads... extra capacity to separate seeds from bulky straw... extra capacity to get the crop clean by the famous Case air-lift method.

With a choice of 4½, 6, 8, 9, 10, and 12-foot swath widths Case combines offer you exactly the right size for your acreage and your tractor power. You have your choice of rub-bar or spike-tooth cylinder... the simple, sturdy auger-type header, the side-platform canvas header, or the straight-in-line style that works equally well from the windrow or from standing stalk. Every one will save and clean every threshable crop. See the model that fits YOUR farm now at your Case dealer's.

New Rub-Bar Six-Footer Most Completely Seed-Tight Combine Ever Built

Welded steel construction and unusually complete enclosure stand guard against loss by leakage. Straight-in-line header and feeder of this brand-new "G" straighten wavy windrows.



Send for New Book

A Faster, Freer Harvest

Latest methods and machines for modern harvest. Mark items that interest you, mail to J. I. Case Co., Dept. E-59, Racine, Wis., or nearest branch.

4½-ft. Low-Price "F" } Combine { 12-ft. Auger-Type "K"
6-ft. Rub-Bar "G" } Sizes & { 9-ft. Auger-Type "M"
6-ft. Spike-Tooth "A" } Styles { 8, 10, 12-ft. Spike-Tooth "C"

9 Modern Combines
Prices Begin
Right Down Among
the Lowest

CASE

Name _____

Address _____

Acreage _____

Reduce Chick Losses

You can save more of your chicks by following the Hendriks Method of feeding them, which Kansas Farmer offers you. It tells exactly what to do day by day from the time you put the chicks in the brooder until they are past the danger period. Many Kansas poultry raisers have reduced their chick losses to almost nothing by this easy plan. A copy of the "Hendriks Method of Feeding Baby Chicks" will be sent to anyone upon request and a 3-cent stamp for mailing. Please address Farm Service Editor, Kansas Farmer, Topeka, Kan.

WATER FROM BELOW

Produce Better Vegetables in Graham

IF YOU wish to know the meaning of these words, "Better Living From the Farm," ask a Graham county farm family. The answer will be in subirrigation . . . tile . . . windbreaks . . . adapted varieties . . . carrots . . . tomatoes . . . beans . . . lettuce . . . beets.

Added together, it means that today many Graham county farm families are enjoying better health, better nutrition, better money management because of subirrigated home vegetable gardens.

Ever since 1935, when a garden project was started in the county thru

Peas, canned—11 pints.
Onions, dry—1 peck.
Peas, used fresh—10 pints.
Beets, used fresh and canned—1 bushel.
Carrots, used fresh— $\frac{1}{2}$ bushel.
Beans, canned—8 quarts.
Beans, used fresh—14 quarts.

Fourteen bushels of tomatoes were picked—a total of 784 pounds of fresh and canned tomatoes. Six hills of sweet potatoes yielded 16 pounds.

Of her garden Mrs. Sparks says, "This is the most practical way that I know for raising a garden and it certainly has supplied us with fresh vegetables thruout the growing season. I grew Earliana and Bison tomatoes which yielded abundantly."

Another profitable garden was taken care of by the Laroy Rudman family, of Palco. They started to develop their 32- by 80-foot garden 2 years ago. From 3 rows of tomatoes 80 feet long, in one season they gathered more than 8 bushels of tomatoes besides the amount eaten during the growing season by the Rudman family of five.

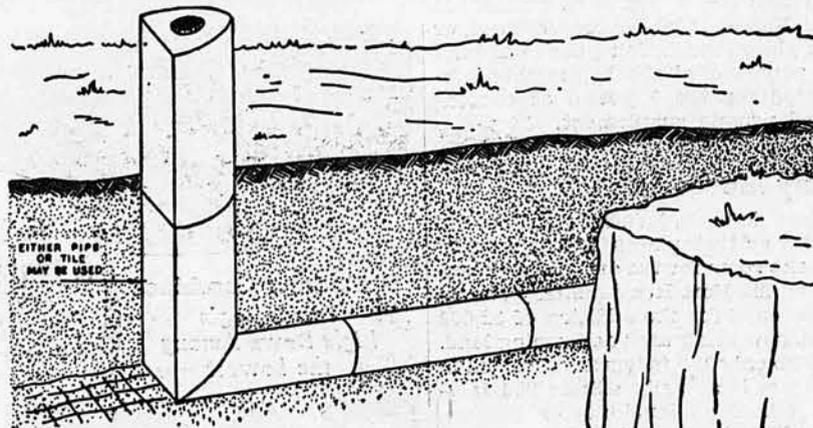
Last year the Rudmans' garden yielded carrots, radishes, beets, turnips, parsnips, tomatoes, cabbage, cucumbers, beans, and strawberries. Sixty quarts of beans were canned. There was a flower bed, also.

Mr. Rudman made his tile for subirrigation and plans to add 4 more rows this year. Actual cost outlay was not more than \$6, he estimates. Gardeners who do not make their tile buy them from the county Farm Bureau office at 2 $\frac{1}{2}$ cents apiece. Three thousand tile have been made and distributed.

These tile can be made at the rate of 100 in 4 hours—more than enough for a garden of 20 feet by 20 feet, which uses 120 tile. A mixture of 6 parts sand and 1

part cement is used. A small amount of water is added and then the cement and sand are pressed into tile forms. Cement tile made in this manner are said to last indefinitely.

To make the irrigation system, trenches are dug about 42 to 48 inches apart and the tile are laid about 10 to 14 inches under the ground. The ditches are filled with soil and all that remains above ground is the opening made of iron pipe or cement thru which the water is let in. Each line of tile is an independent irrigation ditch. This permits irrigating any or all portions of the garden in need of water.



This cross-section shows the tile and intake laid in a ditch for subirrigation of a garden.



County Agent L. W. Patton shows Laroy Rudman the forms in which tile are made. Many farmers borrow forms and make their own tile with sand, cement and water.

the county Farm Bureau extension program, the number of farm families following a definite garden plan has rapidly increased. Last year, more than 100 complete gardens were in production.

This farm garden program, the most extensive in Kansas, is under the direction of L. W. Patton, county agent in Graham county. He is assisted by W. G. Amstein, gardening specialist of Kansas State College extension service.

"When Graham county farmers saw their cash income getting smaller and smaller—the decrease began in 1932—they had to find some way to increase the food supply. A home garden was a natural result," Patton reports.

A garden that would produce as much as possible for the family table was needed. Improvements in methods were used constantly until last year many families reported food was produced for canning and storage as well as for immediate use.

Mrs. John Sparks, Hill City, a garden project co-operator, last year valued her garden products at \$47.61. Her garden, 15 feet by 25 feet, is irrigated by subirrigation tile. It is protected on the south by a temporary thistle windbreak.

An itemized account of Mrs. Sparks' garden shows a variety of vegetables:

Radishes—50 bunches.
Lettuce—33 pounds.
Onions, green—30 bunches.

"On the whole, Graham county has an abundance of water from wells," Patton points out. "This makes an irrigation system practical. We have both surface and subirrigation systems. Subirrigation seems to be the most satisfactory because the water does not run off and because the ground does not bake as readily."

Gardens most popular in Graham county are large enough to provide an abundance of food to be used fresh and for canning, and not so large as to require much time and effort. This garden does not include vine crops, sweet corn, and potatoes.

Most gardens are located near the house, permitting the homemaker to reach it conveniently. The homemaker does the largest share of the work in the garden.

Windbreaks are a necessary part of the garden in Graham county. It is virtually impossible to grow a garden without some protection on the south and west, Patton explains. Temporary windbreaks of native Russian thistle are commonly seen. To make these, 2 woven wire fences about 12 inches apart and 5 feet high are stapled to

strong posts. The posts are set in a row about 12 feet apart. Then thistles are stuffed into this 1-foot by 5-foot space. The garden is planted close to the windbreak.

Other protections used against the south and southwest prevailing winds are boards, natural hillsides, trees and buildings.

"Gardening was most adaptable to this county," W. G. Amstein, horticulture extension specialist, states. "It insured a home food supply even tho cash income from a principal crop was seriously low. The families with gardens are not 'putting all their eggs in one basket' as the old saying points out. They know that with a garden the family will always have enough to eat."

"A garden should be planted so that virtually all the space can be used thruout the growing season. The main-season crops should be interplanted with early quick-growing crops, and succession plantings should be planned for all summer.

"It's a wise gardener, too, who plants tested and adapted varieties. He'll have greater and better yields."

LEGISLATURE LIBERAL

In Longest, Biggest-Spending Session

WHEN the 1941 session of the Kansas Legislature came to a close, it ended one of the longest and most liberal spending sessions in Kansas history. Few measures of great concern to agriculture were under consideration, altho a great many are directly related to farming and the affairs of farm people.

Of particular interest to farmers is the new law placing a tax of $\frac{1}{2}$ mill a bushel on production and subsequent ownership of grain, in place of the old ad valorem tax. It is said this measure will work favorably for the producers of grain and will be a great aid in the promotion of Kansas storage. This is important in the face of what appears to be a condition which will require the more general practice of home storage of grain.

The new grain tax consists of $\frac{1}{2}$ mill on each bushel of grain produced. This would amount to about 50 cents on each 1,000 bushels. An additional half mill will be paid by each subsequent owner, except farmers and stockmen who buy grain for feed. It is estimated the new system will bring in about the same amount of revenue which comes from the old ad valorem tax.

A bill introduced for the purpose of unifying and facilitating rural electrification in Kansas was finally passed, altho it was amended until the finished product was greatly changed from the original bill. Among the amendments was one killing the power of farmer electric co-operatives to govern themselves, rather than be under the jurisdiction of the Kansas Corporation Commission.

Among the measures passed was one of particular interest to members of grain co-operative organizations of Kansas. Designed to clarify the law regarding qualifications of directors

in co-operatives made up of local co-operatives rather than individuals, this measure, also, was amended considerably. However, in the final form, it still accomplishes the desired purpose.

It provides that boards of directors of co-operatives can be chosen from stockholders and members of stockholding co-operatives, who must be residents of the state, except that one director may be a resident of an adjoining state.

Farm interests in the legislature succeeded in killing 2 bills proposing repeal of the gasoline tax exemption on gasoline used for agricultural purposes. As these 2 failed, another bill was passed, tightening up enforcement of the present exemption law.

Farmers will be affected by a new law which provides for the licensing and bonding of itinerant merchants. Whether this bill is desirable from the standpoint of farmers and stockmen, is a matter of disagreement among those familiar with the measure.

It is aimed at regulating the purchase of products in one area and selling them in another area. Agricultural leaders feel the bill has merit in regulating the sale of seeds and other products which might be harmful if sold indiscriminately. On the other hand, this new law might hamper the free movement of feed for livestock during years of feed shortage.

Some will be vitally interested in a measure which extends the time during which delinquent taxpayers can make their payments. The original moratorium was granted by the 1939 legislature, providing a moratorium on penalties and interest for delinquent taxes. Provisions of this were to have expired last month, but this new measure extends the moratorium until September 1.

It is hoped this extension will benefit many farmers by giving them an opportunity to cash in on their 1941 wheat crop before the moratorium ends. The law applies only to taxes for years prior to 1940. Of general interest to Kansas people is a new law carrying an appropriation whereby a bounty of \$1 is paid for coyotes, in an attempt to reduce the number of these pests.

Some of the most significant and far-reaching legislation from an agricultural point of view is passage of several bills relating to water conservation and irrigation. One provides for the legal organization of water districts, to open the way for co-operation with the Federal Bureau of Reclamation in Kansas irrigation and flood control projects.

Another clarifies questions of water

rights between groups and individuals, while still another sets up a system of dividing water between Kansas and adjoining states. One bill provides engineering help to farmers who wish to survey for ponds and dams.

Many farmers will welcome the new law which reduces assessed taxation on land on which farmers have built ponds which meet requirements of the State Department of Water Resources. A similar type of law provides for reduced valuation on land where shelterbelts along the roads have been provided with certain specifications.

Heaviest items of appropriation made by the 1941 legislature were for purposes outside the field of agriculture. However, a few more minor appropriations are closely connected with farming interests. For instance, \$7,500 a year for the next 2 years was voted for the American Royal Live Stock Show. It was argued that this show is basically a Kansas affair and should be supported with some funds.

No change was made in appropriations for the Kansas Free Fair at Topeka, nor for the Kansas National Livestock Show at Wichita. Appropriations for the Kansas State Fair at Hutchinson were boosted \$2,500 a year, but the legislature refused a request of this fair for a new horse barn.

Increased funds were voted for the Fort Hays Experiment Station, to be used in experiments with grass and for soil conservation investigations. Funds were provided for the establishment of a new and more suitable horticulture farm at Kansas State College, and an increased appropriation was voted for work of the Kansas State Entomological Society.

Many bills of interest to farmers failed to pass. A measure proposing automatic liens on crops for harvesting services and for fuel purchased on time, was killed in the judiciary committee. Senate bill 18 proposing registration of Kansas wheat varieties was reported unfavorably by the Senate committee on agriculture. A bill making it possible for small towns to contract with the State Board of Agriculture for a deputy dairy commissioner to make dairy inspections, died in the calendar committee.

The highly-publicized tax code bill was "put in storage" for another session. After some discussion and passage of a few minor features, the main part of this document was returned to

the legislative council for further study. No action was taken on the proposed vital changes, such as changing the time of paying taxes and changing of assessment duties from township to county supervision.

Among the more prominent measures passed were the bills providing for inauguration of the merit system, setting up retirement pensions for school teachers, both sponsored by the administration. Administration measures which failed include those providing free school books, school equalization for high schools, a new state finance set-up, and a 4-year term for governor.

As the 1941 session ended, appointments were made for the Kansas legislative council. This council is composed of 10 senators and 15 representatives. The senators are: Joe R. Beeler, Jewell; E. A. Briles, Stafford; Albert M. Cole, Holton; Rolla W. Coleman, Mission; F. H. Cron, El Dorado; Kirke W. Dale, Arkansas City; Joe L. Henbest, Columbus; Alex Hotchkiss, Lyndon; Robert Lemon, Pittsburg; and Harry D. Warren, Fort Scott.

Representatives on the new council are: Edwin F. Abels, Lawrence; George W. Fowler, Dodge City; Frank L. Hagaman, Kansas City; Arthur P. Hagen, Great Bend; Frank M. Kessler, Wichita; W. P. Noone, Jennings; Milton Poland, Sabetha; Riley Robbins, Sedan; C. A. Smith, Morland; Forrest Stamper, Plainville; Paul Sundgren, Coldwater; James F. Sweeny, Pawnee Rock; Marcel Vigneron, Osage City; Blake A. Williamson, Kansas City; and R. C. Woodward, El Dorado.

Chairman of the council is Lieutenant Governor C. E. Friend, of Lawrence. Clay C. Carper, of Eureka, is vice-chairman, and Franklin Corrick, of Topeka, is secretary.

Uncle Sam Tells Them

One-hundred-ninety colleges and universities have requested the U. S. Office of Education to evaluate school credits of 1,161 students whose previous education was gained in foreign countries. This work has been increased considerably by the influx of refugees from European countries, who wish to re-establish themselves in schools or professions in the United States. Uncle Sam not only can tell them what liberty means, but how well educated they are, as well.

Nominate a Master Farmer

NEARLY every community possesses some outstanding farmers, and your home community is probably no exception. As you go about your regular work during the next day or two, why not think it over and decide whom you consider to be the most outstanding farmer you know.

Then, send his name in to us as a nominee for the Kansas Master Farmer award. Now is the time to make nominations for the 1941 class, and Kansas Farmer is eager to have the best farmers of the state nominated for this recognition.

In thinking of someone who deserves the honor, remember that, first of all, he must be a man who has made a success of his farming business. To be eligible for the honor, he should be a public-spirited leader who has done his share to make the community a bet-

ter place in which to live. Above all, he must be a man who has provided a comfortable home for his family, and educational advantages for his children.

Everyone nominated will receive a complete form to be filled out and returned to Kansas Farmer. All information is held in strictest confidence, but it serves as a guide in choosing the farmers who merit this recognition.

To be eligible for the award, a man must live on a Kansas farm. He may be a landowner, tenant or farm manager. Age is not a limiting factor, altho many years of successful experience is a favorable point with the judging committee.

To nominate your candidate, fill out the nomination blank below and mail it to Kansas Farmer, Topeka. Nominations will be received until June 1.

MASTER FARMER NOMINATION BLANK

I wish to nominate _____
(Name of candidate)

(Address of candidate)

(Name and address of person making nomination)

All nominations must be mailed to Kansas Farmer, Topeka, by June 1.

YOU CAN TRUST THIS VETERAN OF MANY KANSAS HARVESTS!

Thrifty farmers have found it pays to harvest with Oliver Grain Master Combines—the combines that are backed by a 90-year-old reputation for better harvests. You will too, after you—

Think! Talk!

Think of what you want in your combine harvester! Grain-saving ability, efficiency in down or tangled crops? Thorough cleaning; true ruggedness and freedom from repairs? Oliver has them all, in famous Oliver Grain Masters!

Talk with men who've used them all: again you'll find that Oliver's 90-year-old reputation for consistently great performance is based on season-after-season of proved ability to save time, money and grain!

Test!

Buy and try an Oliver Grain Master combine in your fields, this harvest. Test its rubberized, weatherproofed drapers, that last so much longer than ordinary canvas drapers. Test its proved,

straight-in-line, controlled threshing, that saves your grain from cutter bar to grain elevator. Test its ruggedness and freedom from "in-the-field" annoyances.

We believe you'll say, "I'm Going To Buy a Grain Master."

And there's a size and type for you—5, 6, 8, 10 and 12-foot cuts. See your Oliver dealer and get full details. Or write for new, attractive folders.



OLIVER FARM EQUIPMENT SALES COMPANY
227 S. Wichita St., Wichita, Kan. 1329 W. 13th St., Kansas City, Mo.
549 S. W. Ninth St., Oklahoma City, Okla.

Sturdy
IS THE WORD FOR
OLIVER

BUTLER Automatic BUTANE GAS SYSTEM



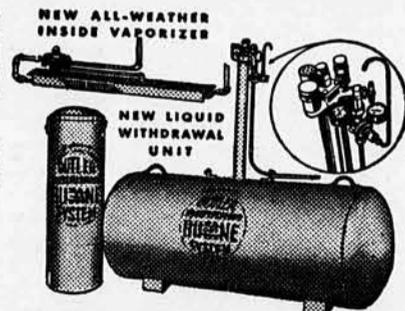
Brings Low-Cost BUTANE GAS To Farm And Town Homes

1. Faster, cleaner cooking and baking.
2. Easier, quicker ironing.
3. Low-cost automatic refrigeration.
4. Bright, soft lighting—wall or ceiling.
5. Healthful, clean home heating.
6. Large quantities of piping hot water.

TWO TYPES—VAPOR WITHDRAWAL AND LIQUID WITHDRAWAL—BOTH TRIPLE APPROVED—BOTH EASY-TO-OWN!

Now—there is an easy-to-own Butler Butane Gas System to fit every climate—the Vapor Withdrawal System for mild to medium winter temperature—the Automatic Liquid Withdrawal System for colder winter regions.

Think of it—plentiful, low-cost liquid butane delivered to you by truck tank into your underground Butler Gas System. Nothing for you to do but turn on appliance burners and light the gas. No dirt, no drudgery, no waiting for slow, smoky, and erratic fires to get going. Send coupon NOW for full facts.



BUTLER MANUFACTURING COMPANY
1204 EASTERN AVENUE
KANSAS CITY, MISSOURI

Send Full Facts On BUTLER Butane Gas Systems Name _____ P.O. _____ State _____

NOW that your garden is in and you're patiently waiting for things to grow, give some thought to the blossoms that will bloom in your spring and summer wardrobe. The year 1941 brings us a bright fashion season and the dark clothes you have been wearing need to be put aside for something lively and gay.

This is a fashion season of color, and whether you sew at home or select your clothes in the city shops, you will want to give a lift to your spirits—and ditto your wardrobe—with one stunning new outfit that is correctly assembled from head to toe. Newer than the costume in one color this season is the ensemble that combines several colors. For example, if your dress is dark blue, it is smart this year to wear a bright red hat and bag, and fresh, white gloves. The tri-color of the flag is one of the best of the season's new costume color combinations. Gay green is another, often mixed with sunny yellow, vivid blue and scarlet. These are South American influences that make our fashions as appealing as a garden in full flower. Violet in every tone looks new, and in the South American way, is prettily complimented with soft blue and warm beige.

Prints are as varied as the lives we lead and take their theme from many sources. In fact, prints this season tell a story. There are some



**Step Into
Summer With**

LIVELY PRINTS

create not only the dress but the print which they feel expresses their idea, and, believe me, their prints are charmingly amusing. Don't be afraid this season to let yourself go, to be gay and colorful in your print choice. Have only one thought in mind, that the print you choose reflects your personality and is a becoming choice for your own particular activities.

If you are more than a size 20, don't think of wearing the bold "fauna and flora" print photographed for dress-up. If you are not tall and slim, beware of prints with horizontal stripes. If you are the petite type, you can wear virtually any type becomingly provided it doesn't make you look shorter or broader.

The new silhouette is very slim of skirt and sloping at the shoulder. Leave this high style for the woman who can afford an extravagant wardrobe. You will find more usable and becoming, the style that suits the activities of your day—the skirt full enough to permit you to drive a car easily and to dash about wherever you go without mincing steps. Two costumes photographed here illustrate the adaptations of these new trends to the farm woman's needs. In the very gay print on white, a dress for all informal occasions of the summer, we see the smooth natural shoulder—it's called the hug shoulder—the slim waist and the skirt on slimmer lines than we have had,



in patriotic motif copying all the insignia of the army and navy, so if your young man is serving in a branch of the service, you can do him honor by wearing a dress made up in a print inspired by his rank. There are "March of Progress" prints that use many things like the telephone, radio and clock—the tools of the farm, such as plows, harvesting machines and cultivators. A swash of this material is shown at the top of the page so that you may see exactly how this print looks. If you are a 4-H member, here is a pretty choice for your favorite frock! There are Indian prints showing the pipe of peace, the feather headdress, the war bird and other symbols of Indian life. The sketch at the extreme right, you will, of course, recognize as one of these Indian prints. The other three depict patriotic or military themes.

These are but a few of the many themes. In addition, there are hundreds of others varying from the flower prints faithfully reproducing the Victorian rose, fruit prints that show true-to-life strawberries, and a wealth of small conventional designs that are specially flattering to the full figure. The idea behind them is to give individuality to the dress you choose. So important is this matter of individual prints in dresses that New York's leading designers

Left, Afternoon dress in brightly printed jersey. Oversized prints on white grounds are new for spring and summer; new, too, is the new hug shoulder and the slim waistline with fullness pulled to the front in skirt.

Right, Daytime print ensemble with crisp, white linen jacket trimmed in the print. A red, white and blue ensemble with shiny red straw sailor, white gloves and red bag in faille studded with white—a costume right for all hours of the day.



Ca
Bo
A
lica
Kan

(
Bo
(
Bo
(
Bo
(
Cer
T
tion
cert
tion
ent
cert
othe
T
fer
buy
ing
copi
writ
Top
ansv

CAPP

YOU SAY THIS GRAND COFFEE'S CUSTOM GROUND—JUST WHAT DO YOU MEAN?

I BUY A&P COFFEE AND THEY GRIND IT SPECIALLY FOR MY COFFEE POT

Custom Ground coffee is A&P coffee correctly ground for your own coffee pot.



EIGHT O'CLOCK COFFEE
3 LB. BAG **39¢**
World's Largest Selling Coffee

AT ALL A&P FOOD STORES AND SUPER MARKETS

with fullness pushed to the front for greater ease and figure flattery. The conventional print with its gored skirt is slim at the hip but moderately full at the hem, and see how smooth is the broad but rounded shoulder!

Wedding Cake Pointers

By MRS. H. D. RADEK

The traditional wedding cake is usually a white butter cake or an angel food, baked in two or more graduated layers. Tiers, in the homemade cake, are wisely kept at a minimum; it is far better to have two plump, uniform ones than several thin, tipsy ones. The cake is iced in white and decorated as simply or elaborately as seems fitting.

It is wise to place the bottom layer on a heavy cardboard circle, slightly larger than the cake layer. When the cake has been iced and decorated it may be placed on the cake plate and the cardboard gently pulled from beneath; or simply left and skillfully hidden with a delicate tracery of dainty green leaves and flowers, forming a frame for the cake.

If a tube pan has been used in baking, the openings are covered with lightweight cardboard circles, the frosting applied over the cardboard for a smooth unbroken surface. Cakes without color may be given character by the use of top ornaments, edible or merely decorative, available in dime stores or at stationers' shops. A wee bride and bridegroom, graceful garlands, shapes appropriate for the occasion, add their bit and may be placed to suit the decorator's whim. Top ornaments should be glued to a cardboard foundation, placed on the cake and frosting applied up to them. Other decorations should be pressed gently into place before the icing has had time to set or harden.

Clothespin Dolls

By MOTHER

Rainy days are bound to come, little folks can't play outside; little sick-beds must have something amusing to do. Clothespin dolls—twins, if you like—are the answer. Even brother may not prove too scornful when he learns what can be done.

You'll need ordinary, not spring-type clothespins, some yarn for hair, crepe paper or bits of gay material for clothes, a bit of cotton, ribbon, pipe cleaners, and India ink or black crayon. For the girl, pad the upper part of the clothespin with a bit of cotton, tying it in place. Wrap a pipe cleaner around the neck of the clothespin for realistic arms, which may be bent in most lifelike positions. Cut a circle of crepe paper or pretty material and make a small hole in the center. Slip the doll's head thru this, and tie a ribbon around the waist. Braid yarn, or paste bits on for hair. Draw features with India ink or black crayon. Then dip the bottoms of the clothespin in the ink for shoes or draw them on.

The boy is even easier to do. Wrap a pipe cleaner around the neck of the pin, making his arms. Wrap yarn 'round and 'round the upper portion of the pin, and he has a nifty sweater. The lower part of the pin just naturally is a pair of long trousers, isn't it? Color them if you like. Draw features and shoes. Wasn't it fun?

An Hour Off for Rest

By MRS. BLANCHE PEASE

Down along the creek the flowers are at their loveliest. A willow bends over clear water admiring its reflection. There's a green and shady spot just made for picnics.

A few sandwiches, some stuffed eggs, water in the thermos and fruit in our pockets and we're all set for a stroll and a meal. Mother and Dad can sit and visit, while small folks explore all likely looking nooks and bends and cultivate a hearty appetite.

We who are farmers would be happier and life better worth living if only we'd take an hour off now and then for rest and enjoyment. For us a picnic is the ideal answer to the need for recreation and stimulation, and we get better acquainted with the lovelier spots on the home place. All work and no play make a mighty dull farm life.

Focus on Contrast

In planning your costume, mix your prints with plain for contrast. Notice the white linen jacket over the navy and white print in the photograph. See how the jacket is faced in the print at collar and cuff. Notice the bright red hankie tucked into the pocket of the dress. Prints are best this spring when accented with a plain color—in a bolero, a broad yoke, a belt or a cape. One high-style costume recently shown on Fifth avenue lined the print jacket in plain-colored wool for warmth and contrast, and another used the print in a full length coat over a plain-colored dress. These are extremes, but they give you your cue.

Repeat your contrast in your accessories. Have a bright-colored hat and handbag; wear colored gloves and colored shoes. The story in all fashion this season hinges on color and you can wear bright red shoes with virtually every costume, just as you have worn black in the past. Give a thought to your hat and have it match the mood of your dress. Don't expect one hat to go with everything. Remember, this spring, little flower hats swathed in veils are pets of fashion and you can—with a little ingenuity and a few minutes of shopping—design one for yourself at very little cost. One pretty flower hat in your wardrobe will make any dress carried over from last season look as fresh as a brand-new one.

Have some amusing jewelry. Like your flowered hat and colored gloves, it will add new charm to dresses or suits that have lost their first excitement. Jewelry need not be expensive, but it must be colorful, gay and tell a fashion story. A lapel pin that glows with brilliance, a lei necklace of plastic flowers, bracelets and matching earrings—all these set off a simple dress. And if you've a little box of old jewelry tucked away in the attic, bring it out and wear some of the fob pins and heart necklaces that you've been keeping as heirloom pieces. They, like the Victorian pompadour, are in fashion again, and, if you want to delight your family and your friends and look entirely up-to-date, start your planning with a new hair-do. Give your hair an upswept look and, if you can, wear your hat behind a pompadour. It's the 1941 way.

Bubbles Go Modern

By MRS. B. E. JAMES

Most children delight in blowing bubbles. And when they can glimpse one with the rainbow colors, their shrieks of joy proclaim their delight. They will love blowing colored bubbles. Just add a bit of harmless, liquid vegetable coloring to the water. Let them have several pans—a different color in each pan. If glycerine is added the bubbles will last longer so the children may have a veritable "rainbow" assortment of bubbles in the air at one time, if they work fast enough.

Capper Publications, Inc., Bonds

A prospectus issued by Capper Publications, Inc., offers the readers of Kansas Farmer the following:

—\$5,000,000.00—

- (1) First Mortgage 5½ Per Cent Bonds payable in ten years.
- (2) First Mortgage Five per cent Bonds payable in five years.
- (3) First Mortgage 4½ Per Cent Bonds payable in one year.
- (4) First Mortgage Four Per cent Certificates payable in six months.

The bonds are issued in denominations of \$100, \$500 and \$1,000, and the certificates are issued in denominations of \$50, \$100 and \$500. The present sale price of any of these bonds or certificates is par without premium or other cost.

This announcement is neither an offer to sell, nor a solicitation of offers to buy any of these securities. The offering is made only by the prospectus, copies of which may be obtained by writing to Capper Publications, Inc., Topeka, Kansas. Such requests will be answered promptly.—Adv.

You Could Do No Finer Thing!

The Capper Foundation for Crippled Children is maintained by voluntary contributions. Ministers, unceasingly and sympathetically to restore unfortunately handicapped boys and girls to health and happiness. It needs your help. Address: CAPPER FOUNDATION FOR CRIPPLED CHILDREN 20-B Capper Building, Topeka, Kansas

Please Mention KANSAS FARMER When Writing to Advertisers

FOR SAFETY IN BAKING—USE



CLABBER GIRL

BAKING POWDER

SUCCESS IS ASSURED

A Joy to Use!

THE NEW Streamlined Presto FRUIT JARS



More Convenient—Extra Strong Made by the Duraglas Method

You'll say these PRESTO Jars are the grandest you've ever used! Handy to hold, easy to clean, sparklingly clear, with smooth sealing surface. Extra strong, too, because made by the famous Owens-Illinois Duraglas method. Uniform thickness of side-walls banishes weak spots. Laboratory tested for quality. All sizes at your dealers!

A COMPLETE LINE—Jars—Standard Closures and Rings

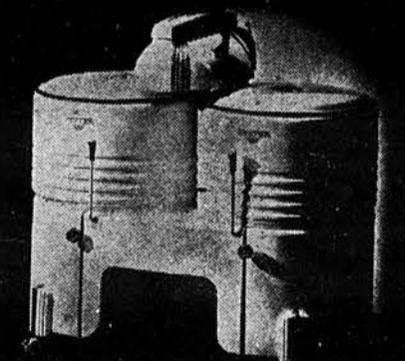
Any standard jar-closure and ring fits the new PRESTO. But for sure results, ask for PRESTO fittings. All types—Universal glass-top... porcelain-lined caps—2-piece lacquered vacuum type.



ASK FOR **Streamlined Presto FRUIT JARS**

CUPPLES COMPANY - ST. LOUIS, MO

AMERICA'S FASTEST WASHER



DEXTER TWIN TUB

... OUR NEW DEXTER TWIN TUB CERTAINLY DOES CHANGE WASH DAY TO WASH HOUR

The Dexter Twin washes in both tubs, wrings and rinses all at the same time. Does weekly wash for average family in one hour. Gets clothes cleaner, whiter, without soaking, boiling or hand rubbing. Electric or gasmotor models. Dexter makes a complete line of efficient single tub washers, too.

WRITE TODAY for free booklet explaining wonderful time-saving system of washing. **THE DEXTER CO.** 551 N. 9th St. FAIRFIELD, IOWA

Here's How Breeders See It

By RAYMOND H. GILKESON

BEEF and dairy cattlemen, from one end of the state to the other, believe demand and prices for breeding stock, as well as for market stuff, will be strong for some time in the future. One man is optimistic enough to say he looks for a strong situation for a dozen years. Another takes the opposite viewpoint and warns, "Look out, we're due for a drop." Most of them take a conservative to a good-plus view of the situation, with such answers as these:

"Expect strong demand and prices until the increase in numbers is felt." "Believe cattle will be better than grain farming in the future; but if you get in, stay in with a bunch of breeding cattle." "Expect good market for cattle in the next few years; but when cattle do get cheaper, the line of demarcation between good and poor cattle on the market will be much greater than when cattle are high." "Cattle prices will be good next year, and probably a little longer; registered bulls and females will be in good demand." "Conditions will be good, but don't expect present prices as an average."

"Prices and demand will be fairly good, but the world is upset and anything can happen; would caution against over-expansion." "Ordinarily, cattle prices would be due for a fall, because they are out of line with other prices. If inflation comes, all prices, including those for cattle, will rise. As long as war lasts prices will stay up; let war stop, and down they come." A great many of the breeders emphasized their opinion that war is the one thing that is holding prices up where they are. Several, however, pointed to over-production of grains as the main thing in turning more attention toward livestock and diversified farming.

These are seasoned men in the business; men who have been at it from 43 years on down to beginners. And if you are a beginner, whether old or young, the experience of these cattlemen is about 100 per cent in agreement. They say:

"Grow with the herd." "Pick your breed and stick to it; don't be an in-and-outer." "Start small; buy a few good cows or heifers, and buy or use a good purebred bull. The bull is 75 per cent of the herd." "Buy 1 or 2 heifers of choice breeding and build slowly." "One can't go wrong if he starts with good, purebred, registered stock; failing that, at least use a purebred bull—the better the bull the more chance for a good herd." "If you must start without much capital, buy the best you can; don't start with a bunch of low-quality, junky cattle—rather, start with a few good ones and feed well." "If one must borrow to start, don't bite off a bigger chunk than you can chew." "A good bull is 50 per cent of the herd, but a poor bull is 80 per cent of it."



"I still say you aim too high!"

Our seasoned breeders can laugh over their past mistakes, as they point out the most common mistakes of today. The most common, according to several breeders, is trying to start too big with a lot of poor cattle. Or by making too big an investment in poor breeding cattle, whose breeding and quality the buyer does not understand. Others say the most common mistakes include:

"Mixing 2 or 3 different breeds of cattle, lack of pasture, lack of protection for the herd, lack of good feed, carelessness in feeding, using the

wrong bull. The cheapest foundation stock," they agree, "is the most costly in the end." "Leaving cattle out in the pasture in the fall without additional feed, and turning them on pasture too early in the spring before grass has a chance to get a start," reduces feed, increases costs and doesn't do justice to the livestock or the pasture. "Getting discouraged and quitting when things are not going well, selling out at a loss, and when times are better again, making a new start with higher prices to pay," is a common mistake.

All shades of opinion are brought out with the question of vaccination for Bang's disease. "At present," said one man, "I am not interested in vaccination for Bang's disease. But I might add that I wasn't interested in vacci-

nation for blackleg until I lost several big calves; now I vaccinate every year. I never have had Bang's in my herd, and hesitate to take in outside cows that haven't been tested."

Another opinion, "If a herd is badly infected with Bang's, it would be the thing to vaccinate the calves; but if a clean herd, would not be so good." One man says, "Vaccination for Bang's is no surer than it was 5 years ago. I have a private feeling that political pressure must have been applied to the B. A. I. to get them to recognize vaccination."

Other comment runs: "We vaccinate for Bang's; it is cheap insurance." "Calfhood vaccination is okay." "Believe in it, but better to keep herd clean without it." "Never had Bang's on the place, but think vaccination



TWO \$1000 CASH PRIZES!

You can win BOTH!

And just think of what you could do with \$2000 extra CASH!

TWO \$300 CASH PRIZES TWO \$50 CASH PRIZES
TWO \$100 CASH PRIZES FOUR \$25 CASH PRIZES
200 Prizes of 25 Gals. of Gasoline 600 Prizes of 10 Gals. of Gasoline

812 PRIZES IN ALL!

HERE ARE THE SIMPLE RULES

There is nothing complicated about this contest. It's easy to win. Skelly engineers have formulated TWO new gasolines: One, a new regular gasoline; the other, a new premium gasoline. The Skelly Oil Company wants names for both and offers \$5000 in prizes for the best names selected by the contest judges.

Both grand prizes or both of the second, third, fourth, etc. prizes may be won by the same contestant; or one contestant may win the prize for naming the regular gasoline—another the prize for naming the premium gasoline.

Get a free entry blank from any Skelly Service Station. All names must be submitted on these regular Skelly entry blanks. Submit a name for the new Skelly regular gasoline and a name for the new Skelly premium gasoline. You may submit as many names as you wish—but do not submit more than one name for each of the two gasolines on each blank. This contest is open to everyone

except employees of the Skelly Oil Company, their marketing and service organizations, their advertising agents, and the families of the members of these organizations.

Decisions of the judges will be final. In cases where two or more contestants submit identical names, award will be given on basis of best 25 words on "Why I prefer to use Skelly's new regular (premium) gasoline." In case of ties, duplicate prizes will be given. All entries become the property of the Skelly Oil Company. The contest closes at midnight, June 15th. All entries must be mailed to Contest Editor, Skelly Oil Company, Kansas City, Mo. and must be postmarked not later than midnight of June 15th.

HELPFUL HINT

These two new Skelly gasolines give your car quick starting, flashing pickup, smooth-as-silk engine performance, high antiknock qualities—and long mileage. Would you call the regular grade "Fleetway," for example; and the premium grade, "Airway"? What names do you suggest?

Talk About "Greased Lightning"

... HERE IT IS

● Tickle the throttle—and grab about surging, flashing power that and quick on the draw—Skelly's "greased lightning" with a thousand tied to its tail!

Listen to that engine take order when you give her the gun. Get alert, smooth power. Test its sense and direction.

Sure... we know! You've heard before—but never of two like the \$5000 in prizes for names as good as yours.



TUNE IN
CAPTAIN HERNE'S
MORNING NEWSCAST
 Monday through Friday over
 NBC Network 7:00, 7:30 or
 7:45 A.M.

SKELLY OIL

practical once the disease gets into a herd." "Vaccination isn't well understood; go slowly." "Am for vaccination; see no reason why it couldn't be perfected until Bang's could be almost entirely eliminated." "Vaccination is very worthwhile protection to any breeding herd. Tests indicate a high degree of success when used on young heifers." "Use vaccination only as a last resort." "Don't believe in it; too dangerous." "Should vaccinate—a cheap preventive." "Okay if properly used." "Endorse calfhood vaccination in infected herds; opposed to it for non-infected herds." "Regret we didn't start vaccination sooner."

Majority of breeders are interested in artificial breeding, with greater interest among dairymen than among beef men. Here again all shades of

opinion show: "Can see nothing beneficial in it." "All right, but we are not quite ready for it." "Don't see how it will work with a herd of beef cattle kept in a pasture 4 miles from where I live." "May help." "Would help avoid spreading of Bang's disease." "Want to learn more about it." "Am interested, but it probably won't become widespread, except with very valuable animals." "Has its points, but would allow a few aggressive breeders to virtually control the bull business. Would have a tendency to limit the sources of breeding material to a few favored bloodlines."

Pasture gets a unanimous vote as being essential to economical production. Grass silage is getting a foothold, but corn and sorghum silage is rated almost as necessary as pasture.

Bold Thief Loses at Last

DISCOVERED in the act of loading iron pipe and other junk on the farm of A. P. Muller, R. 1, Buhler, a trespasser was ordered to unload and leave the premises. He refused to do so until Muller brought his shotgun onto the scene. The unwelcome person then drove away but as soon as Muller was out of sight, he returned, loaded the pipe up again and drove off. Muller secured the license tag number, reported to the sheriff and the officer made an arrest. The suspect was required to load the junk into his car again from where he had hidden it under 2 different culverts and return it to the owner. A jail sentence of 60



days was the punishment. The Kansas Farmer reward of \$25 was divided equally between Muller and Sheriff Harry Goodman.

Corn Thief Caught in Act

Disappearance of small quantities of corn from the J. A. Jamison farm, Leavenworth, from time to time, caused him to be on the lookout for a thief. Jamison decided he might have better luck in the investigation if he went to the field at a time when he would be least expected. The plan worked. He came upon a man in the act of stealing his corn. The sheriff was notified immediately and the offender taken to jail. Later, he was convicted and required to serve a 60-day sentence. A \$25 reward, paid by Kansas Farmer, was divided between Service Member Jamison and a neighbor, W. C. Wieke, who assisted in the capture.

Raided Many Houses

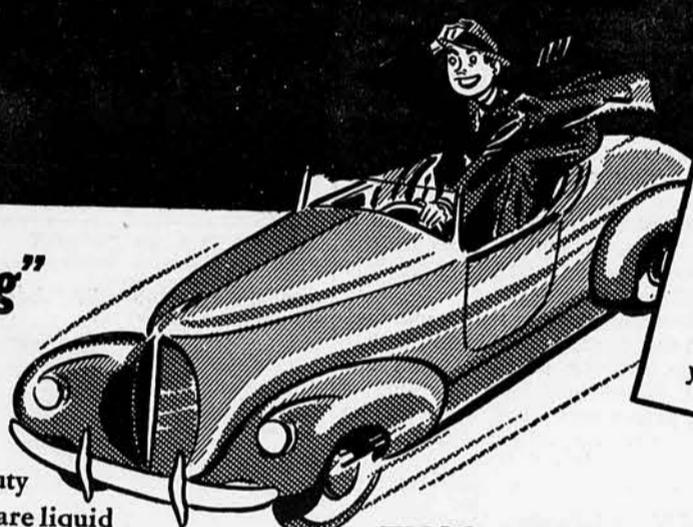
Farmers near Altamont, Elk City and Fredonia are to be congratulated for having rid the community of persistent house breakers. Household goods were stolen from Erbin Schwatken, Elk City; canned fruit and other groceries from Minnie Shue, Fredonia; fruit, vegetables and other articles from Clyde Johnson, Altamont; and various articles were stolen from other farmers. The pilferers turned out to be women. At least one of them has been given a prison sentence. Schwatken and Shue qualified for part of a Kansas Farmer reward by reporting the theft promptly to officers. Johnson neglected to report until an arrest had been made. The \$25 reward, paid by Kansas Farmer, was distributed among Service Members Shue and Schwatken, Romena Hildreth, of Fredonia, Sheriff William Gillespie, of Independence, and Deputy Joe Sharp, of Coffeyville.

To date, Kansas Farmer has paid out a total of \$31,885 in cash rewards for the conviction and sentence to prison of 1,361 thieves. Since January 1 of this year, 263 captures have been made following thefts from farms at the entrance of which Protective Service signs are posted.

Prevent Bang's Disease

Effective means of prevention, control and eradication of brucellosis, also known as Bang's disease, is given in a new Farmers Bulletin, No. 1871, "Brucellosis of Cattle." The seriousness and prevalence of the disease have resulted in heavy losses to herd owners. It is caused by a germ that is most likely introduced into healthy herds by the addition of infected animals. The disease may be controlled in several ways, the bulletin shows, and it may be eliminated from a herd by the sanitary-control method with special relation to herd management. A copy of the bulletin will be sent free to anyone upon request to Bulletin Service, Kansas Farmer, Topeka. Please print your name and address.

100 IN PRIZES



TRY 10 GALLONS AT OUR RISK
 Try 10 gallons of either of the new Skelly Gasolines, and, after you have tested it, if you still believe the gasoline you are using, if of a similar grade, is better than Skelly's new gasoline, we will gladly return the purchase price of the gasoline you bought.

TWO NEW "OIL-RIGHT" OILS!

SKELLY FORTIFIED Tagolene

The original Fortified Motor Oil is the product of a new, intricate refining process. We believe no finer 30cc oil was ever put in a crankcase.

FORTIFIED Tagolene Motor Oil prevents excessive sludge... eliminates carbon and varnish deposits... keeps piston rings free... protects bearings against corrosion... minimizes engine wear.

Fortified Tagolene cleans old "sludgy" engines—keeps new engines cleaner. It not only prevents excessive sludge and varnish deposits but also helps remove such deposits already formed. It prolongs the life of alloy bearings. It is noncorrosive. It lubricates hot cylinder walls and other parts with a more efficient film of oil.

All of these improved functions add up to more efficient engine lubrication, which means longer engine life, lower operating cost, minimum overhauls, and fewer tune-ups. Try FORTIFIED Tagolene now. Learn how much sweeter a clean, more efficiently lubricated engine runs.



SKELCO MOTOR OIL

Refined from high-grade paraffin-base crude; guaranteed unexcelled by any 25c motor oil.

Skelco Motor Oil is balanced in all of its qualities to give all-round fine performance. One property is not built up at the expense of another. No straight mineral oil will give finer performance.

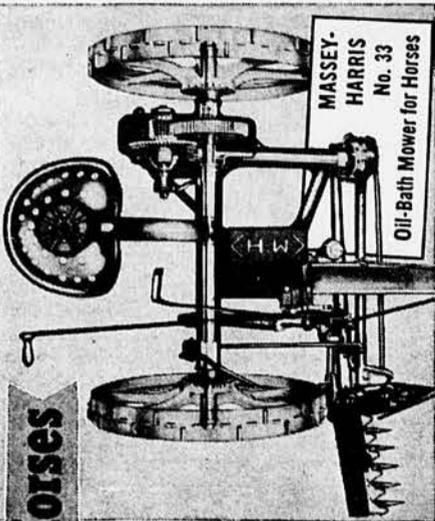
Skelco Motor Oil provides a constant lubricating film with body strength that withstands the grueling punishment of today's higher operating temperatures and smaller clearances. It gives your engine a wide margin of safe lubrication on long, hard drives, from the moment your engine starts in the morning to the last turn at night... and it is sold to you on an ironclad guarantee of satisfaction or money back.

Try Skelco Motor Oil. Compare its performance with any 25c oil you ever put in the crankcase. You can't lose—for remember—Skelco Motor Oil must satisfy you and give perfect lubrication or money back.

SKELLY OIL COMPANY



Faster, Smoother-Working Mowers for High-Speed Tractors... for Horses



• America's most copied mower. Automotive-type transmission. All gears as well as crankshaft and axle are full oil-bath lubricated.

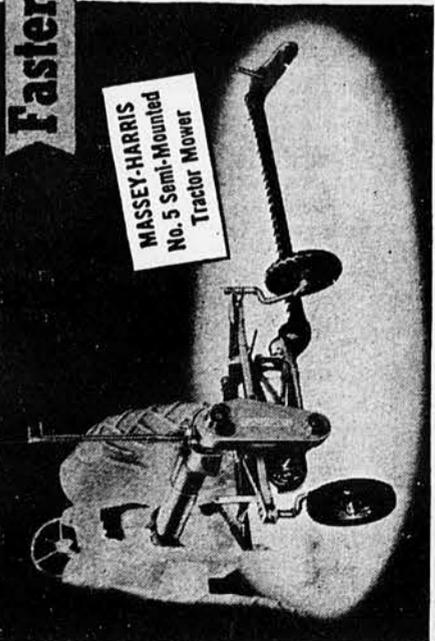
• Balanced to eliminate neck weight. Precision-lined cutter bar and many other advantages. Write for free literature and name of nearest dealer.

• Three safety releases protect mower from damage by rocks or stones in fast tractor mowing. • Semi-mounted design with two caster wheels makes it flexible as a horse-drawn mower—follows land contour, up or down or horizontal variations, no side-sway, lifting, dragging or slipping. • Adapted to any tractor. Write for complete literature and name of nearest dealer.

For additional information, write your name and address in the border and send to Massey-Harris, Racine, Wis.

MASSEY-HARRIS

GENERAL OFFICES: RACINE, WISCONSIN
 FACTORIES: RACINE, WISCONSIN, BATAVIA, NEW YORK



MASSEY-HARRIS No. 5 Semi-Mounted Tractor Mower

Greatest of These Is Beef

(Continued from Page 3)

to the proposed program offered elasticity to meet current conditions. For instance, in poor pasture years, the calves could be sold as feeders, instead of going on grass in May. During years of good pasture and poor grain crops, the calves could continue longer on pasture and be marketed off grass in late summer or fall.

Among those hearing the plan explained was J. D. Joseph, Whitewater banker and cattleman, who has been feeding cattle for more than 25 years. The plan for deferred feeding of calves appealed to him, and he started encouraging the practice among farmers in that area. Since then Mr. Joseph has shipped in thousands of calves, sometimes as many as 5,000 a year, to be used in deferred feeding practice.

Each year, great numbers of these calves have been sold to farmers throughout the community, and in many instances Mr. Joseph lends the money for cattle purchases. His loans are made for full cost of the calves, including freight, and he declares this is a safer proposition than lending 80 per cent of the value on grown cattle. This, he says, is because calves finished by the deferred feeding system can easily double their value in 1 year, mostly by means of grass and silage.

Year after year, the practice has increased among farmers of the area, and deferred feeding of calves is listed as a "life saver" which brought the community safely thru some trying years. With a shrug of satisfaction, Mr. Joseph points to attractive, well-improved farmsteads surrounding Whitewater. He explains that not a farm in the community, inhabited by the owner, has been foreclosed during the last 10 years. Merchants of Whitewater help promote profitable feeding practices by sponsoring an annual feeders day which is attended by great crowds of farmers and stockmen.

Among the veteran cattlemen of Whitewater who practice deferred feeding are C. J. and P. U. Claassen, winners of second place in the 1940 Kansas Beef Production Contest. Their 150 Herefords returned a net profit of \$45.85 each. The calves, of Texas origin, were purchased in October, at an average weight of 390 pounds. During fall and early winter these calves were carried on a ration including 13 pounds of silage and 7 pounds of alfalfa hay.

In January, 2 pounds of oats a day was added to this ration. Late in April the steers were turned on pasture, where they remained until the middle of August when they were put in a dry lot. The dry lot ration included 16 pounds of grain, 1/10 pound of cottonseed meal, and hay free choice. The grain portion included 2 parts each of oats and corn, along with 1 part each of wheat and Atlas.

The first load sold, went to market November 26, with additional loads following until January 22. Prices received varied from \$11.50 in November, to \$12.50 in January, with an average price well above the \$12 mark. Average weight of the finished steers was 1,069 pounds.

Records kept by the Claassen Brothers show that the average gain for their steers was 679 pounds a head. Of this, 241 pounds were made during the wintering period, at an average of 1.34 pounds a day, while 140 pounds were made on grass, at an average of 1.24 pounds a day. Gains in the dry lot accounted for 288 pounds, at an average of 2.12 pounds a day.

Aside from roughages fed, the Claassens figure that each steer consumed only about 17 bushels of oats, 4 bushels of wheat, 5 bushels of Atlas, 10 bushels of corn, and a small quantity of cottonseed meal.

Other contest winners from the Whitewater area followed similar practices. John Entz won third place and G. A. Harder was fourth. Next high winners in order were Entz Brothers, John Regier and Sons, and John Wiebe. Mr. Harder declares he found from practical experience that calves cannot be profitably handled in the same manner as heavy cattle are handled. "Small amounts of grain along with the roughage in winter doesn't mean much to a big steer," he says, "but it really makes a difference with calves."

John Wiebe explains that in feeding cattle thruout his entire lifetime, he has had experience with fattening nearly every kind of cattle, under nearly every type of feeding system. He considers that deferred feeding of good-quality calves is the safest plan he knows of for profitable production.

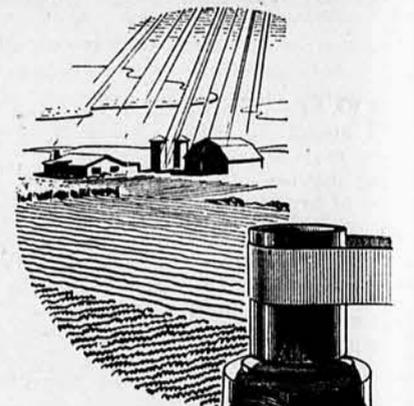
Cattlemen in the Whitewater area have varied the plan of deferred feeding to meet their own particular conditions. For instance, most of them feed less grain in winter than is recommended in the original plan which calls for 4 or 5 pounds daily, along with roughages being fed.

Lot F. Taylor, Butler county agricultural agent, explains that market conditions last year were particularly favorable for lighter winter feeding. Calves which received a light grain feed in winter were not finished for market until later in the fall. As a result, they were still on hand for the late price advances which characterized last year's market.

However, Mr. Taylor points out that market trends may often be in another direction. During seasons when the market is crowded and pressure is forcing prices downward, there will be a strong advantage for cattlemen who have speeded the finishing of their calves by giving them more grain in the winter ration.

Recommended plans for the deferred feeding system suggest that the daily winter ration include 2 pounds of good legume hay and 1 pound of protein supplement along with the 4 or 5 pounds of grain. The ration may be revised to include 1/10 pound of ground limestone in place of the legume hay. With limestone added in this manner, prairie hay or other non-legume roughages may then be substituted for the silage. Still another variation provides for feeding the calves all the legume hay they will eat, along with 3 or 4 pounds of grain to the head daily.

Dependable Year After Year



Cheap Water and Successful Farming

Abundant water supply furnished cheaply by Johnston pumps is one of the greatest aids to successful farming. Today hundreds of Johnston pumps are functioning faithfully and economically in most of America's major farm areas. TERMS: NOTHING DOWN. THREE YEARS TO PAY. Request free information.

JOHNSTON PUMP CO.
 P. O. Box 208 Dodge City, Kansas

Johnston Pumps

THE HAY "GLIDER"

Operate with car, truck or tractor. Move hay or bundle grain. Thoroughly proven on hundreds of farms. Write for catalogue and price.
STOCKWELL HAY TOOL CO.
 LARNED Dept. 8 KANSAS

The BEAR CAT
 Combination GRAIN and ROUGHAGE MILL Also ENSILAGE CUTTER



Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or snapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write
Western Land Roller Co., Box 135, Hastings, Neb.

Distributors for Missouri and Kansas
ANN ARBOR KLUGHARTT SALES CO.
 Kansas City, Mo.

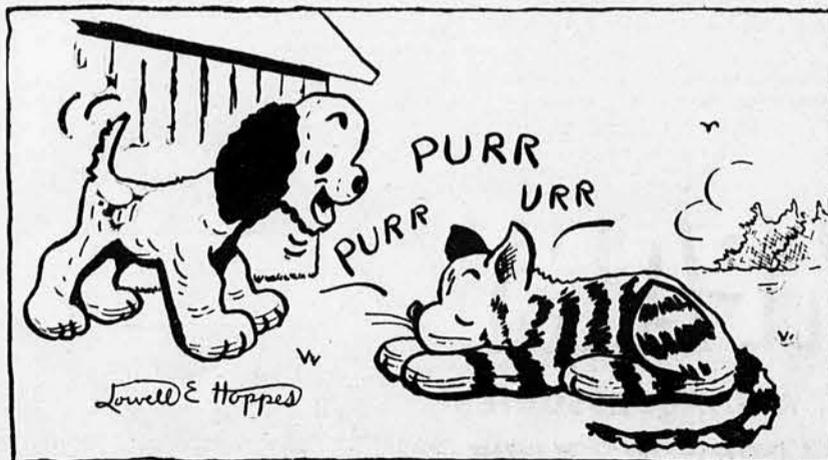
A LITTLE KRESO DIP WILL CLEAN THAT UP!



DISINFECTANT INSECTICIDE Deodorant
FOR ALL LIVE STOCK, POULTRY AND FARM BUILDING SANITATION

Use Kreso Dip—get rid of sheep ticks, lice, mites—repel flies and mosquitoes—promote healing of cuts and wounds—thoroughly clean buildings and utensils. As a sheep dip, Kreso Dip will not stain or injure the wool. Economical to use.

FREE Sample Enough Kreso Dip to make a gallon of solution. Send ten cents to cover cost of mailing.
 Write to Animal Industry Dept., Desk K-29-E
PARKE, DAVIS & CO., DETROIT, MICHIGAN
 Drug Stores Sell Parke-Davis Products



"Probably left his motor runnin' so he'd be ready for a quick get-away when I came!"

FIND TUBERCULOSIS EARLY

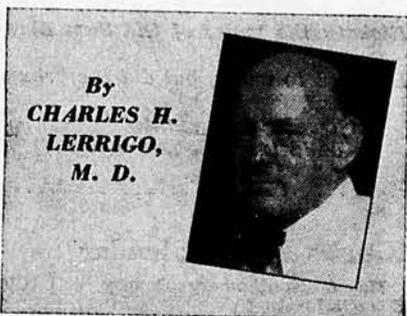
For Quickest and Most Certain Cure

TO PRACTICE what you preach is something all of us endorse, altho we may be backward in practice. A big insurance company that issues a lot of health literature puts its health teaching into effect by its dealings with its own family of employees. Long ago the company recognized the fact that the disease most destructive to human beings, and therefore to its own force of workers, is tuberculosis. This being so, this company, having thousands of employes, decided to begin to look for tuberculosis among apparently healthy people with a view to finding it in the earliest stages. Thus they follow up the now generally accepted fact that tuberculosis is not difficult to cure when discovered in its beginning.

Outcome of this effort, now carried on for more than 20 years, is announced in the statement that among the home office employes of this great company, tuberculosis has been virtually eliminated. Nearly all of the few cases that do occur are found in the early stage, when cure can be quickest and most certain. Their people are demonstrating the fact that tuberculosis may really be eradicated.

The company announces that they look first for tuberculosis among those most likely to be susceptible to the disease, particularly boys and girls in their late teens, young adults, especially young mothers, workers exposed to dangerous industrial dust, and all people regardless of age who have been in contact with an active case of tuberculosis, especially within their own families.

Tuberculosis societies all over the United States—no doubt there is a society or a branch in your own county—are making a special crusade, which began in April, in the Early Diagnosis Campaign. Much instructive literature, easy to read, well illustrated and written so that its story will be readily understood by all readers, is available for free distribution. We sug-



By
**CHARLES H.
LERRIGO,
M. D.**

gest especially that you ask for copies of the pamphlets entitled "Let Us Look at Facts" and "Learn and Live." From these pamphlets you will learn how the tuberculin test and perhaps an X-ray examination of the chest are useful in finding tuberculosis in its earliest stages.

Tooth May Be Pulled

I expect to be confined in about 4 months, and have a tooth that should be pulled. Could I have that done while pregnant?—Mrs. J.

A woman must not neglect her teeth while pregnant. Have a careful dentist do whatever dental work is needed for your health and comfort. Explain your condition to the dentist, so that he will know what precautions to take.

Transmitted by Heredity

Can persons inherit syphilis and will it affect their children? My children are irritable and cross, also nervous. How can one know if one has syphilis?—M. T.

Syphilis is often transmitted by heredity. Serious cases do not affect the third generation, because they do not usually survive. The fact that children are cross, irritable and nervous does not indicate syphilis, but if you have reason to suspect it you should have a Wassermann bloodtest.

If you wish a medical question answered, enclose a 3-cent stamped, self-addressed envelope with your question to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kansas.

Watch Egg Quality Closer Now

EGG grading figures show that the highest percentage of top-grade eggs are produced in March and April during the peak in egg production. From then on quality drops rather rapidly until late summer. The higher the percentage of top-grade eggs the less premium it is possible to pay for the top grade over lower grades, since supply and demand still tends to govern egg prices. But from now on, this spread in price of different grades and premium for quality tends to increase. It, therefore, becomes increasingly important that producers who have a graded egg market take special precaution in the production of quality eggs. Extra work and attention to quality egg production details will return large dividends.

As the use of U. S. government egg grades increases, it is believed that producers will have greater confidence in the egg-grading program and will take increased interest in following a quality egg production program with their flocks.

A quality production program should include gathering the eggs from 3 to 4 times daily, placing them immediately in a cool, damp egg room with a temperature from 40 to 50 degrees Fahrenheit and a humidity around 60 per cent, and marketing at least twice a week.—E. R. Halbrook.

Will Ducks Pay?

I would like all the information available concerning the handling of ducks and geese. Particularly concerning duck farms and the raising and marketing of "Green Ducks" like the Eastern duck farms.—Mrs. M. W. H., Leavenworth Co.

Production of "Green Ducks" is a highly specialized business and has not been considered suitable for this part of the country. There are some large duck farms in Northern Indiana and geese are grown quite extensively in Missouri and Illinois, but not in large flocks such as one finds with turkeys. The markets in this section of the country have not been good enough to attract a great deal of interest in the commercial production of either ducks or geese. Government bulletins 697 and 767 cover this subject in detail.—L. F. P.

What About Lights?

Thru Kansas Farmer I'd like to ask the up-to-date poultry raisers what is the advantage of electric lights in the laying house? I've mingled with the poultry game for the last 40 years and became quite active, keeping around 1,000 hens, which any poultry raiser knows will either make you money or else break you. People tear around all night, then sleep in the daytime, but I never had a hen that cared to do that. Laying an egg is a day's work for a hen; laying at 4:30 a. m. or 9:30 a. m. makes no difference that I can see. Why not let her rest over night with a crop full of yellow corn to keep her warm, and lay her egg in daytime? Crowding pullets into laying simply stunts their growth, and they never will lay as large an egg.

I am adding a new breed to my poultry interests with New Hampshires, and if lights pay, I'd like to know about it.—G. A. S., Douglas Co.

A few years ago Kansas State College conducted a rather extensive experiment comparing Leghorn hens and

pullets with and without artificial lights. Morning lights were used from early fall until April 1, so that the birds had a 13-hour day thruout the winter. All eggs from the 4 flocks of 100 birds each were graded and sold on the grade basis thruout the year.

While the pullets, under artificial lights, produced more eggs during the fall and winter months than those not lighted, they laid fewer eggs during the following summer than the unlighted birds so that the market value of the eggs, at the end of the year, from the unlighted pullets was greater than from the lighted pullets. The reverse was true for the hens where lights were begun August 15. Those with lights produced enough more eggs during the early fall to have a greater market value at the close of the year.

The college conclusions from this experiment were that it paid to light Leghorn hens if one could begin lighting by the middle of August, but it did not pay to light the pullets.—L. F. P.

Neat Window Boxes

I would like ideas for window boxes that are different for the outside of the house.—Mrs. C. L., Lamont.

Any well-built box that blends with the architecture of the house is suitable for this purpose. The box should not be painted a conspicuous green but is much better if painted the same color as the house. The use of cypress wood will resist decay and attacks of termites better than most any other kind of wood. The use of old hot water tanks, and other discarded containers, for window boxes should be discouraged.—L. M. C.

DO YOUR WORK with LESS HELP!

With this Papec on your farm, two men can put away a lot of hay in a day. Chopped hay goes into the barn or stack faster, doubles mow capacity, feeds out easier, is cleaned up 100%. No one works in the hot, dusty mow. No stops for bad weather because you can turn uncured hay into good grass silage.

Papec, with its man-saving finger feed roll, handles regular silage crops faster and easier than any ordinary cutter. Chops and stores straw after combining. Shreds fodder. Elevates feed grains.

Send postal or name on margin of this ad for FREE BOOKLET telling how to handle all your feed and bedding with less labor. No obligation. Papec Machine Co., 245 S. Main St., Shortsville, N. Y.



Test Proves This Double-Duty Drinking Water Medicine Reaches Vital Organs of Chicks and Older Birds

● To help your chicks and older birds fight bowel troubles, you need a drinking water medicine that works inside the birds as well as outside. Phen-O-Sal gives you this double-duty action. Test (shown at right) establishes the fact that the ingredients of Dr. Salsbury's Phen-O-Sal not only are carried by the blood stream to inside vital organs, but also maintain their strength. That's why Phen-O-Sal acts as a Double-Duty Drinking water medicine.

1. Checks Germ Growth in Drinking Water.
2. Medicates Digestive System.

● Your chicks get this double-duty benefit with Dr. Salsbury's Phen-O-Sal Tablets, because they don't oxidize—even though they come in contact with feed and litter. Also, they retain their medicating action throughout the whole digestive system.

● Your chicks (and older birds, too) need all the help you can give them in fighting bowel troubles! So be SURE. Give them genuine Dr. Salsbury's Phen-O-Sal Tablets in their drinking water, regularly! Can be used safely in any kind of container, including metal. Cost so little! 125 tablets (\$1.00) medicate 62 gallons of drinking water for baby chicks. See your hatchery, drug, feed, or produce dealer who displays the emblem shown below.

● DR. SALSBUARY'S AVI-TAB gives a fortifying treatment in feed of chicks. Buy it by the package or ask for feed that's fortified with Avi-Tab.

Your local Dr. Salsbury Dealer has at his command the diagnosis and research facilities of Dr. Salsbury's Nation-Wide Poultry Health Service.

DR. SALSBUARY'S LABORATORIES
CHARLES CITY, IOWA

Dr. Salsbury's
PHEN-O-SAL
TABLETS



Proof that... PHEN-O-SAL does DOUBLE DUTY

● Drinking water (containing 8 Phen-O-Sal tablets to the gallon) was given to normal birds. Three hours later these birds were killed and the analysis showed constituents of Phen-O-Sal in the following concentrations present in these organs:

CROP	++++
GIZZARD	++++
DUODENUM	++++
ILEUM	++++
CECA	++++
KIDNEY EXCRETIONS	+++++



Make this "Member Emblem" your guide to Dr. Salsbury Dealers who are trained to give you dependable poultry health service.

**JUST
HOW IMPORTANT
IS AN
Armour
Refrigerator
Car?**

A VITAL PHASE of Armour Service is the Armour Distribution System.

That is the miles-long fleet of refrigerator cars and trucks that carry Armour products to Branch Houses and other distributors all across the land.

Its function is to quickly and economically provide America with fine meats... to protect all their freshness, flavor and tenderness... to maintain their uniform quality at all times.

Without this distribution system it would be virtually impossible to supply the Nation's requirements for meats like Armour's Star Beef and Lamb, Bacon and Ham.

And more important to you, the daily cash market which Armour maintains for the Livestock Raiser would dwindle until it had almost ceased to exist.

That is why every Armour refrigerator car and truck is of prime importance to your daily welfare. For these efficient, fast carriers are links between you and the farthest markets for your goods.

Ed Baston
PRESIDENT

ARMOUR and COMPANY

Armour and Company stands for adequate preparedness for national defense and for the preservation of our free institutions under the Constitution.

Good News for Stomach and Colon Sufferers

The McCleary Clinic, H641 Elms Blvd., Excelsior Springs, Mo., is putting out an up-to-the-minute 122-page book on Colon Disorders, Piles and Constipation and commonly associated chronic ailments. The book is illustrated with charts, diagrams and X-ray pictures of these ailments. Write today—a postcard will do—to the above address and this large book will be sent to you FREE and postpaid.

MONEY AHEAD
GEHL 2 SILO FILLER
IN 1 HAY CUTTER

By all odds, the best buy is the sturdy, up-to-the-minute, cost-cutting Gehl. Excels in light running, clean cutting at low speed. Saves time and work. Special hay feeder cuts hay into mow with hay fork speed. Saves half the storage space. Cattle clean it all up—no waste. Efficient blower can't clog. Fills highest silos at low speed. All steel construction, unbreakable flywheel, enclosed gears. Fills silo, cuts hay into mow, makes grass silage.

Send for FREE CATALOG and name of nearest dealer
Gehl Bros. Mfg. Co.
434 Water St.
West Bend, Wis.

Big Northeast Beef Day

RAIN which fell in torrents drenched fields and highways, but it failed to dampen the enthusiasm of cattlemen who participated in the Northeast Kansas Beef Day, held at Horton, Saturday, April 19. Despite mud and washed-out bridges, nearly 50 head of purebred Angus, Herefords and Shorthorns were on hand for this annual show, sponsored by beef cattle breeders of Brown, Doniphan and Atchison counties.

Included in the day's activities was judging of the various classes, and selection of county show herds to compete at the state fairs this fall. Bill Barton, of Chicago, fieldman for the American Aberdeen Angus Association, made all placings in Angus classes. Exhibitors in this breed included Swartz Brothers, of Everest, Eylar Ranch, of Denton, and Mike Wilson, of Muscotah.

Shorthorn and Hereford classes were judged by James G. Tomson, veteran Shorthorn breeder, of Wakarusa. Ray Vansell, of Muscotah, Scholz Brothers, of Huron, and Louthian Brothers, also of Huron, provided competition in the Shorthorn classes. Hereford cattle on exhibit were shown by Gordon and Hamilton, of Horton, Al Scheutz, of Mercier, and Will Belden, of Horton.

Under the direction of R. L. Stover, Brown county agent, a judging contest and weight-guessing contest attracted keen interest. Highest-ranking adults in judging competition were J. D. Henry and Henry Jacobsen, while Robert Wallace and Howard Husted claimed top honors in the Junior division. Henry Jacobsen captured first prize in adult weight guessing, and Dale Lance was best guesser of the juniors.

Cattlemen present at the Beef Day voted to hold another show, during April, next year.

Fun Peps You Up for Spring

Pa says I need molasses,
Ma says sassafras tea.
But I turn down all spring tonics—
It's the Jingleer for me!

Fun is spring tonic enough, and here's a chance to have a lot of fun—and maybe you'll win \$2. Here's all you have to do. Look thru the advertisements in this issue. Write a bunch of last lines for the jingle below. Mail on a post card or in a letter. The best line wins \$2 cash!

Check for \$2 goes to Mrs. John Muir, Mentor, for first prize in the March 22 contest. Her winning line: "And installed a new 'Butler', Mr. Butane Gas." Special mention is deserved by Mrs. John R. Angle, Courtland, Mrs. Will Sammons, Stockton, and Mrs. A. L. Miskinon, Homewood.

Send your list of last lines for jingle below to Jolly Jingleer, Kansas Farmer, Topeka.

He tried to waltz, but did the "rhumbler."
He swore that night
To build his next house right,

He tried to waltz, but did the "rhumbler."
He swore that night
To build his next house right,

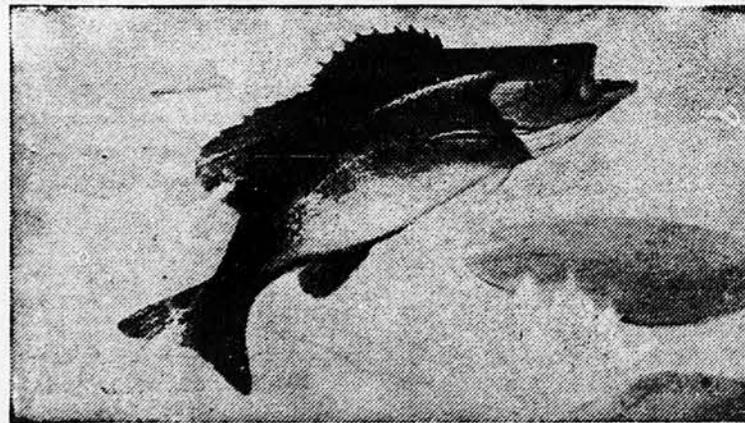
He swore that night
To build his next house right,

Kansas Farm Calendar

- May 6—Montgomery County 4-H Club Council Meeting.
- May 6—Holstein Show, Sabetha.
- May 7—Fourth Annual Wool and Lamb School and Show, Mound City.
- May 7—Farm Management Board Meeting, Sedgwick county.
- May 8—Montgomery County Lamb and Wool School.
- May 9—West Central Kansas Holstein Breeders' Spring Show, Great Bend.
- May 10—Kiowa County 4-H Council Meeting, Greensburg.
- May 12—Nemaha County Lamb and Wool Show.
- May 13—Brown Swiss Canton Show, El Dorado.
- May 13—Elk County Lamb and Wool Show, Howard.
- May 15—Central Kansas Jersey Breeders' Spring Show, Nickerson.
- May 15-16—Kansas Lamb and Wool Show, Kansas City, Mo.
- May 16—Elk County Lamb and Wool Show.
- May 16—Paint Demonstration, Johnson county.
- May 17—Twenty-ninth Annual Kansas Cattle Feeders' Day, Kansas State College, Manhattan.
- May 19—Foods and Nutrition, Leaders Training Meeting, Decatur county.
- May 19—Farm Machinery Field Day, Montgomery county.
- May 20-21—First National Polled Shorthorn Congress, Fair Grounds, Des Moines, Ia.
- May 21—Chautauqua County Garden Tour.
- May 23—A.C.P. Meeting in Lyon county.
- May 26—Nemaha County Soils and Crops Tour.
- May 27—Soils and Crops School, Sedgwick county.
- May 27—District A.C.P. Meeting at Colby.
- June 12—Comanche County Wheat Field Day, B. H. Hewett Farm, Coldwater.
- June 30—Kansas State Dairy Goat Show and Kansas Dairy Goat Society, Inc., Convention, Judging Pavilion, Kansas State College, Manhattan.
- July 20-23—4-H Camp, Camp Cauble, Neosho county.
- August 14-15—Comanche County 4-H Club Fair, Protection.
- August 21—Comanche County Beef Tour.
- August 25-30—Neosho County Fair.
- September 29-October 5—Dairy Cattle Congress and National Belgian Horse Show, Waterloo, Ia.
- August 23-September 1—National Percheron Show, Minnesota State Fair, St. Paul.
- September 14-19—Kansas State Fair, Hutchinson.
- September 25—Sixth Annual Sale of Southeast Kansas Guernsey Breeders' Association, Parsons.
- October 11-18—National Dairy Show, Memphis, Tenn.
- October 18-25—American Royal Live Stock and Horse Show, Kansas City, Mo.

Everyone is invited to send dates of public events of interest to farm people for the Kansas Farm Calendar. No charge is made for publishing.

Catch 'Em Now



FISH are biting! And every fisherman will be delighted to read and own the 1941 edition of the handsome book, "Fishing, What Tackle and When." There are 52 illustrations in actual color of many fish, instructions for fly and bait casting, reel capacity charts and much other information dear to the heart of a fisherman. Send today for your free copy. Print names of those who want the book on a card and mail to Farm Service Editor, Kansas Farmer, Topeka.

**Spring
HOUSE PAINTING
BARGAIN!**

3-Coat Results at 2-Coat Cost

One coat Seidlitz Underseal Primer and one coat Seidlitz Durmolized House Paint give you the protection and beauty of three ordinary coats. You save nearly one-third in labor and material—get the equal of 3-coat work at the cost of two.

Use over old paint or new wood. Approved for F.H.A. use. Monthly terms. See your nearest Seidlitz dealer.

FREE—Beautifully illustrated color "style book" showing actual photos of exteriors and interiors in striking color schemes you can follow yourself in painting inside or out. No cost or obligation. Write today. Address—

SEIDLITZ PAINT & VARNISH COMPANY
18th & Garfield, Kansas City, Mo.

SEIDLITZ
Best By Test
PAINTS



SENSATIONAL NEW PHENOTHIAZINE WORM TREATMENT NOW AVAILABLE IN THREE FORMS

PTZ Pellets (new and cheaper than capsules) and PTZ Drench for individual treatment of sheep, goats, horses and cattle.

PTZ Powder (100% phenothiazine) may be given in feed to swine, horses and poultry.

Get PTZ from your Dr. Hess dealer, or write Dr. Hess & Clark, Inc., Ashland, Ohio.



NATIONAL Vitrified SILOS

Everlasting TILE
Cheap to install. Free from trouble. Steel reinforcing every course of tile.

NO Blowing in Freezing
Buy Now Erect Early
Roller Bearing Enlarge Cutters.
Write for prices. Special discounts now. Good territory open for live agents.
NATIONAL TILE SILO COMPANY
R. A. Long Bldg., Kansas, City Mo.

CHOLERA THREATENS

Increased Danger Reported; Outbreaks Increase Nearly 40%

Reports of the devastating spread of hog cholera outbreaks—with nearly 40% increase in three years—mean that the cholera cycle is growing again.

Every farmer who has spring pigs this year will be wise to have them vaccinated with anti-hog cholera serum and virus as early as possible, preferably around weaning time. For if the upward trend continues, this may be the worst spring for cholera in five years. Remember, cholera gives no warning. It strikes fast, kills fast, and there's no cure. The only safety lies in vaccination BEFORE outbreaks occur.

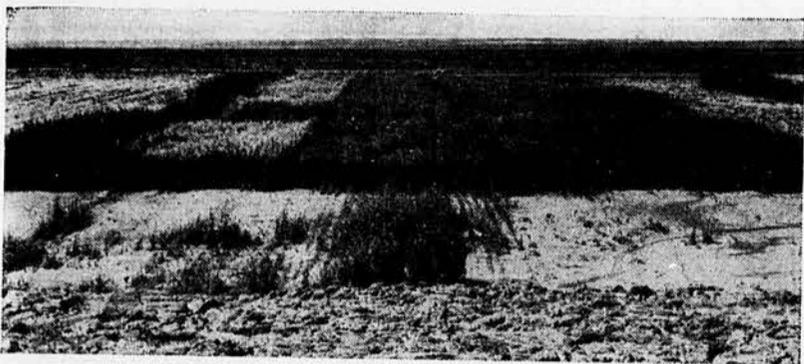
And, have your vaccinating done ONLY BY A VETERINARIAN. Amateur vaccinating is too risky when you're fighting cholera. The Veterinarian knows how to avoid complications, when to vaccinate, and how to do it properly for maximum protection.

Associated Serum Producers, Inc.

Sorgo and Sudan Grass

Come Back First After Sodium Chlorate

By F. L. TIMMONS, Fort Hays Experiment Station



Crops pictured here were grown in 1938 on land treated with sodium chlorate in 1936. Treatment from foreground to background: 5 pounds to the square rod, untreated, 2½ pounds to the square rod, untreated. Crops from left to right: Sweet clover, barley, oats, rye and wheat.

WHAT crops to grow on land treated with sodium chlorate to kill bindweed is a question that is becoming of increasing importance to farmers in Kansas. Sodium chlorate treatment has been used for bindweed control on crop land only on small patches in most cases. Nevertheless the total area of farm land in the state treated with chlorate during the last 3 years was 5,711 acres, according to the state weed supervisor, T. F. Yost. This acreage was distributed over 20,014 different farms in areas varying from a few square rods to several acres.

Chlorate-treated land should be planted to a suitable crop as soon as all bindweed plants have been eradicated, which is usually in the second or third season following the original treatment. It is important to plant the crop that will grow best in the presence of sodium chlorate in the soil in order to increase the return from the land, prevent soil erosion and, most important of all, to provide the strongest possible crop competition for bindweed seedlings that might otherwise reinfest the area as soon as the residual effect of chlorate in the soil has been reduced sufficiently.

Two experiments have been conducted at the Fort Hays Branch Experiment Station for the purpose of studying the duration of the detrimental effects of sodium chlorate in the soil and the relative tolerance of different crops to these effects. Application of sodium chlorate at rates of 2½ and 5 pounds to the square rod were made on strips of non-infested land in September, 1935, and on additional strips of land in September, 1936. Ten different crops were planted each year thereafter across the treated areas and adjoining strips of untreated land and the yields determined separately for the different treatments.

The total yields of the various crops on chlorate-treated land during the 5- and 4-year periods of the experiments

varied from 23 to 88 per cent of the total yields on untreated land. The sorghums and corn produced much more nearly normal yields on treated land than did the small grains, with the exception of oats. Surface-drilled sorgo and Sudan grass were injured less by chlorate than row crops planted with a lister, probably because the more shallow root development of the drilled crops absorbed less of the chlorate than had been leached to deeper soil levels. The rank of the different crops in order of their tolerance to the effects of chlorate in the soil was sorgo, Sudan grass, milo, corn, kafir, oats, rye, Sweet clover, barley and wheat.

Close-drilled sorgo and Sudan grass appear to be definitely superior to all other crops for planting on chlorate-treated land, not only because they produce a greater return, but also because of the vigorous competition they afford bindweed seedlings during the growing season. They are also effective in preventing soil erosion which is frequently severe on chlorate-treated land. Row sorghum is a second choice, provided cultivation after the crop is planted is thoro enough to destroy all bindweed seedlings. Oats is a fairly suitable crop where the land is plowed immediately after harvest and cultivated occasionally during the remainder of the season to destroy annual weeds and bindweed seedlings. Flax and most perennial grasses are known to be highly tolerant to the effects of sodium chlorate and might be suitable in Eastern Kansas, altho it is doubtful whether they would be as satisfactory for controlling bindweed seedlings as would close-drilled sorgo or Sudan grass.

The detrimental effects of sodium chlorate on crops at Hays diminished from year to year following the treatment, but were still apparent in the yields of barley and wheat for from 3 to 5 years. On the other hand, the yields of the different sorghum crops were reduced for only 2 years following applications of 5 pounds of chlorate to the square rod, and only 1 year following applications of 2½ pounds to the square rod. The yields of sorghum forage were frequently higher on treated land than on untreated check plots the third year following the heavy application and the second year following the light application. This was probably due to the storage of moisture in the treated soil during the previous years when there was little vegetation or growth to deplete the supply.

The injurious effects of sodium chlorate persist longer in the heavier silt and clay loam soils than in lighter sandy loams. Another factor is the amount of rainfall received during the years following the treatment. The heavier the rainfall, other things being equal, the sooner the chemical will be leached from the soil. Applications of manure to chlorate-treated land will

usually reduce the crop injury from the chemical.

It should be kept in mind that if the bindweed chemical would not poison the soil for other plant growth it would not kill or poison the bindweed. No attempt should be made to bring the soil back to production until all of the bindweed has been killed on each individual infestation. The amount of land kept out of production due to chemical treatment to kill the bindweed is not considered serious when compared with the possible dangers of the bindweed which occupied the land before it was treated, or the danger of attempting to grow crops on treated land before all old bindweed plants have been eliminated.

Sweet Spud Choice

Some of the newer sweet potato varieties merit the attention of the Kansas grower who is debating what type to plant, says William G. Amstein, Kansas State College. "If planning on the Nancy Hall, I would suggest investigating the Nancy Gold; likewise, the Orange Little Stem is ordinarily to be preferred to the Little Stem Jersey; and, finally, Maryland Golden or Speaker's Special offer a preference over Improved Big Stem Jersey."

In Kansas, sweet potatoes produce best in sandy loam soils. Extremely sandy soils may lack necessary soil nutrients. As a rule, heavy soils should be avoided for commercial sweet potato production, since the roots become poorly shaped and do not have attractive market demand.

There are many heavy soils in Kansas where the production of the Jersey or Nancy Hall types is not satisfactory. In these areas the Red Bermuda gives good yields.

COMFORT

COSTS NO MORE GET A PAIR OF HORSEHIDE HANDS AND PROVE IT

WHY wear work gloves stiff as armor? Try Wolverine Horsehide Hands. They protect as well, wear to beat the band, yet are soft as kid—even dry soft. Made by the makers of famous Wolverine Shell Horsehide Workshoes. If you don't know a dealer's name, write us. Wolverine Shoe & Tanning Corp. Dept. K-541, Rockford, Mich.



FREE!

Vest pocket bill holder of Wolverine Glove Horsehide (2" x 3½" folded) just for calling on dealer—inspecting and trying on Horsehide Hands. Present coupon, filled in.

WOLVERINE Horsehide Work Gloves

TO ALL WOLVERINE GLOVE DEALERS: Bearer is entitled to FREE vest pocket bill folder after meeting conditions in our advertising.

Name.....
 Address or R.F.D.....
 Town.....State.....
 Dealer's Name..... Dept. K-541

DE LAVAL SEPARATORS

SKIMS CLEANEST
 EASY TO CLEAN
 MOST IN USE
 STAINLESS STEEL DISCS
 LONGEST LIFE
 EARNS MOST
 COSTS LESS PER YEAR
 63 YEARS OF LEADERSHIP
 PROTECTED BALL BEARINGS
 EASIEST RUNNING

THE WORLD'S BEST

DE LAVAL WORLD'S STANDARD SERIES

De Laval World's Standard Series Separators have earned the reputation "World's Best" on the basis of unequalled quality and performance... by their record of cleanest skimming under all conditions, longest life and lowest cost per year of use. They now offer the added advantage of stainless steel discs made 70% harder than ordinary stainless steel by the patented "Delarol" process. Made in four sizes. Low stands can be furnished for extra convenience for machines equipped with electric motor drive.



Low Stands

De Laval Junior Series — De Laval Quality in Smaller Capacity Separators



De Laval Junior Separators provide De Laval quality and performance in lower priced machines for smaller butterfat producers. Made in five sizes—all models except the No. 1 can be equipped with high or low stands and electric motor drive.

\$24⁷⁵
 AND UP

DE LAVAL MILKERS



For the world's best, fastest and cleanest milking the De Laval Magnetic Speedway has no equal. For small herds there is the new De Laval Sterling Milker with wonderful "Simplicity" Pulsator, having only two moving parts.

THE DE LAVAL SEPARATOR CO., Dept. 4223, New York, 165 Broadway, Chicago, 427 Randolph St., San Francisco, 61 Beale St.

Please send me, without obligation, full information on: Separator Milker Check which Name..... Town..... State..... R.F.D..... No. Cows.....

FREE TRIAL—EASY MONTHLY PAYMENTS

Bindweed Weather

Spring showers bring May flowers—and bindweed! Warm weather makes the state's biggest weed threat stick up its head and laugh. You can get the last laugh, however, by clean cultivation or applying sodium chlorate. Cultivation is recommended for bigger patches and sodium chlorate for small patches and out-of-the-way places. Complete information on controlling this treacherous enemy is contained in the leaflet, "Best Method of Controlling Bindweed." For your copy send a 3-cent stamp for mailing costs to Farm Service Editor, Kansas Farmer, Topeka.

Words	One time	Four times	Words	One time	Four times
10.....	\$.80	\$ 2.40	18.....	\$ 1.44	\$ 4.32
11.....	.88	2.64	19.....	1.52	4.56
12.....	.96	2.88	20.....	1.60	4.80
13.....	1.04	3.12	21.....	1.68	5.04
14.....	1.12	3.36	22.....	1.76	5.28
15.....	1.20	3.60	23.....	1.84	5.52
16.....	1.28	3.84	24.....	1.92	5.76
17.....	1.36	4.08	25.....	2.00	6.00

You will save time and correspondence by quoting advertising prices in your classified advertisements.

FARMERS MARKET

RATES 6 cents a word each insertion if ordered for 4 or more consecutive insertions, 8 cents a word each insertion on shorter order, or if copy does not appear in consecutive issue; 10 word minimum. Count abbreviations and initials as words and your name and address as part of the advertisement. When display headings and white space are used, charges will be based on 50 cents an agate line, or \$7 per column inch; 5 line minimum; 2 columns by 168 lines maximum. No discount for repeated insertion. Headings and signature limited to 24 point openface type. No cuts allowed. Copy must reach Topeka by Saturday preceding date of issue.

Note: These rates not effective on Livestock. Write for Special Rate.

REMITTANCE MUST ACCOMPANY YOUR ORDER

RELIABLE ADVERTISING

We believe that all classified advertisements in this paper are reliable and we exercise the utmost care in accepting such advertising. However, as practically everything advertised has no fixed market value, we cannot guarantee satisfaction. In cases of honest dispute we will endeavor to bring about satisfactory adjustment, but our responsibility ends with such action.

Publication Dates: Every other Saturday.
Forms close 10 days in advance.

BABY CHICKS

We Lend Brooders—Chicks on Credit. Roscoe Hill's chicks offer you an outstanding profit-making investment this year. Improved breeding stock, hundreds of males from 200 to 311 egg ROP hens in our Leghorn, Barred and White Rock flocks has established profit-making ability. 10 leading breeds—sexed chicks. Write for low prices—bargains—free catalog. Hill Hatchery, Box 14, Lincoln, Nebr.

Coombs ROP Leghorns. New low chick prices. 250-330 egg sired. Thousands chicks weekly. Hatching egg prices reduced. Real trapnest pedigree breeder. Share benefits, our progeny breeding program. High averages—livability, production, egg size. New, free catalog. Partial payment plan. Write today. Coombs and Son, Box 6, Sedgewick, Kan.

Schlichtman Square Deal Chicks. U. S. Approved, Pullorum tested. Prepaid per 100. Leghorns, Anconas, \$5.75; Rocks, Reds, Orpingtons, Wyandottes, Minorcas, \$6.00; Brahmas, Giants, \$7.00; Assorted, \$4.90. Pedigree sired and sexed chicks. Free catalog explaining 2-week replacement guarantee. Schlichtman Hatchery, Appleton City, Mo.

60c-\$1.00 Extra Profit Per Hen! Amazing new improved balanced breeding with Triple "L" selection; 100% blood tested flocks. New free catalog just out gives details; 13 breeds. Sexed chicks. Assorted, \$5.50 up. Cockerels \$3.00. Write Smith Bros. Hatcheries, KF130 Cole St., Mexico, Mo.

Heavy Cockerels \$7.90; Leg-Rock cockerels \$5.75; Leghorn cockerels \$2.50; Light assorted cockerels \$2.25; heavy assorted unsexed \$5.90; heavy assorted pullets \$8.40; Leghorn pullets \$11.40 per 100. Prices of straight breeds on request. Lobdell Hatchery, Waterloo, Iowa.

Booth's Hardy, Robust Chicks, hatched to live. Booth's had more Rocks, Reds and Leghorns laying over 250 eggs in 1940 contests than any other breeder. Bargain prices. Free catalog. Booth Farms, Box 408, Clinton, Mo.

Johnson's Triple Test Chicks. Production bred. Rigidly culled and Kansas approved. Pullorum tested. Purebreds, hybrids, sexed chicks. Write for free circular. Johnson's Hatchery, 218 West First, Topeka, Kan.

Chicks—Bloodtested Flocks; heavy breeds, Leghorns and Minorcas, Austra-Whites, Leg-Rocks, Legreds. Assorted not sexed \$5.00. Postpaid. Ivyvine Hatchery, Eskridge, Kan.

Invest in Hawk's Chicks for Complete Satisfaction. Assorted, \$5.40 per hundred, prepaid for immediate shipments. Hawk Hatcheries, Atchison, Kansas.

Chix, Bloodtested; Rocks, Reds, Orpingtons, Wyandottes, Minorcas, \$5.25; Leghorns \$5.00. Postpaid. Catalog free. Fortner's Hatchery, Butler, Mo.

Get the Facts and You Will Save by getting your chicks from El Dorado Hatchery. Box M, El Dorado Springs, Mo. Your name on a penny postal will bring you the facts.

ANDALUSIANS

Blue Andalusian Chicks. Bloodtested. Good layers of white eggs. Eck Hatchery, Moundridge, Kansas.

AUSTRIA WHITES

Austra-White chicks for profit. More demand in community where introduced. More vigorous and fast growing. Also 3 other hybrids. Prices reasonable. Prepaid. Eck Hatchery, Moundridge, Kan.

Austra-Whites—From ROP sired Leghorns females. U. S. Approved. Bloodtested. Satisfaction guaranteed. Let us tell you about our chicks. Upham Sunnyslope Hatchery, Junction City, Kan.

Austra-White Bloodtested, strong Ozark mountain chicks, \$6.90 per 100. Brad Minor, Pierce City, Mo.

GUINEAS—BANTAMS

White African Guinea Eggs, 20-\$1.00. Dark Cornish Bantam eggs 18-\$1.00. Hybrid Bantam eggs 18-50c. Sadia Mella, Bucklin, Kan.

WHITE LEGHORNS

Chicks Direct from only Leghorn breeder in U. S. with two hens laying over 357 points in 357 days in 1940 contest. Highest average production any Midwestern breeder last three years. Chicks live and grow fast. Bargain prices. Free catalog. Booth Farms, Box 408-K, Clinton, Mo.

Triple Guaranteed Large White Leghorns; Hanson's 300-egg trapnested, pedigree foundation stock. Missouri Approved AAA pullets \$10.95; nonsexed \$5.95; cockerels \$2.25 Postpaid. 100% delivery. Free catalog. Ortner Farms, Clinton, Mo.

White Leghorn chicks from large type matings up to 289 eggs. Bloodtested. Prices reasonable. Prepaid. Live delivery guaranteed. Eck Hatchery, Moundridge, Kan.

We Specialize in Large White Leghorn Chicks. Bloodtested. U. S. Approved. Postcard brings prices quick. Owen's Hatchery, 618B North Ash, Wichita, Kan.

NEW HAMPSHIRE

Famous Purebred, bloodtested, state inspected, Missouri approved New Hampshire; guaranteed winter layers or money refunded. Feather quick as Leghorns, grow faster, and start laying as young—around four months. Circular free. New Hampshire Ranch, Carthage, Mo.

Bockenstette's New Hampshire for faster feathering, bigger eggs, earlier maturity and more eggs per hen. Free circular. Bockenstette's, Box F, Hiawatha, Kan.

RHODE ISLAND REDS

Booth Farms Had More Reds laying over 250 eggs in 1940 contests than any other Midwestern breeder. Chicks live and grow like woods. Bargain prices. Free catalog. Booth Farms, Box 408-K, Clinton, Mo.

S. C. Red Chicks from early feathering, trapnest matings. Bloodtested. Prepaid. Prices reasonable for high quality. Eck Hatchery, Moundridge, Kan.

POULTRY—MISCELLANEOUS

Peafowl, Pheasants, Bantams, Waterfowl, thirty varieties pigeons. Stock, eggs. John Hass, Bettendorf, Iowa.

BABY CHICKS

Save --- Order Direct

100% arrival. Losses first 10 days replaced 1/2 price. Sexed chicks guaranteed 90% true. Prepaid for cash.

Prices per 100—	Unsexed	Pullets	Males
White, Brown and Bf. Leghorns.....	\$6.75	\$13.00	\$3.40
White, Barred and Bf. Rocks, White, Black and Bf. Minorcas, S. C. Reds, White Wyandottes, Buff Orp. Anconas, R. I. White and Leg Rocks.....	7.00	9.45	8.00
New Hampshire Reds, White and Black Giants, Black Australorp, and Lt. Brahmas.....	8.00	8.00	9.50
Heavy Assorted.....	6.40	8.00	7.40
Assorted all breeds.....	5.40	8.30	3.90

Grade AA 1c per chick extra. Grade AAA 2c per chick extra.

BROOKFIELD CHICKERIES, BOX 124K, BROOKFIELD, MISSOURI



BROOKFIELD CHICKS

250-320 Egg

FREE FEEDER

With every order of 100 chicks or more one Feeder will be mailed you free of charge upon receipt of your order.

Long Distance Layers R.O.P. Sired 200 egg and up 30 Day Replacement Guarantee

Bloodtested, brooder tested, progeny tested. Three Star and AAA True-Value chicks, sexed or straight at lowest prices good chicks can sell for. Flock improvement by licensed A.P.A. Inspector and Kansas Pullorum Tested. Super-size Eng. type 300 egg bred Wh. Leg; Br. Leg; Red; New Ham; Bar. Wh. Bf. Rocks; Wh. Wyan; S. L. Wyan; R. I. White; Austra-White; Bf. Orp; Wh. Bf. Min; Anconas; Wh. Giant. Price list and Progress in Poultry Culture Free.

THE POTTER HATCHERIES, BOX 168, CHANUTE, KANSAS



Listen Friends

Grandmother says everybody will make a profit on poultry in 1941. Why not send me your address today for Grandmother's Chick Circular? She has **DEPENDABLE CHICKS** to sell at reasonable prices—both day old and started.

LITTLE JOHN RUFF
Box 150 Ottawa, Kan.

WHITE LEGHORNS
200-315 Pedigreed, Sired Pullets

Baby Pullets	4 Weeks Old PULLETS	Cockerels
\$10.00 per 100	\$18.00 per 100	\$1.75 per 100

Free Catalog Box 12-E

RICE LEGHORN FARM
Green Ridge, Mo.

WHITE ROCKS

AAA Linebred Bloodtested big bodied layers from U. S. Approved flocks, \$8.35. Pilot Grove Hatcheries, Pilot Grove, Mo.

PLYMOUTH ROCKS

Booth Farms Had More Barred and White Rocks laying over 250 eggs in 1940 contests than any other Midwestern breeder. Chicks live and grow fast. Bargain prices. Free catalog. Booth Farms, Box 408-K, Clinton, Mo.

DUCKS AND GEESE

Toulouse Goose Eggs 25c; Pekin Duck 12 eggs \$1.00; Dark Cornish 100 eggs \$4.00; New Hampshire Red 18-\$1.00. Sadie Mella, Bucklin, Kan.

Hatching Eggs—White Embden Goose eggs 6 for \$1.00. White Pekin Duck eggs 11 for \$1.00. Prepaid. Diemler's, Jefferson City, Mo.

Domesticated Wild Mallard Eggs, 15-\$1.00. Few pair Canada Geese. Feigley Game Farm, Enterprise, Kan.

TURKEYS

Broad Breasted Turkey Poult that live, grow, mature early and top the market. Feight Turkey Hatchery, Clyde, Kan.

TURKEY EGGS

Bronze Turkey Eggs for sale. Standard markings with good wide breasts. Shelton strain. 18c each. Mrs. Homer Alkire, Belleville, Kansas.

POULTRY PRODUCTS WANTED

Eggs, Broilers, Hens Wanted. Coops loaned free. The Copes, Topeka.

EDUCATIONAL

Business Training! Learn Gregg Shorthand, Typewriting, Bookkeeping, Business English, Salesmanship and other important subjects. New plan. Low cost. Easy terms. Diploma. Home study for resident training (state preference). Students taking resident training may work for board and room. Thousands of successful graduates everywhere. Write for free catalog giving age, occupation, and education. The Commercial Extension, School of Commerce, Dept. 14, Omaha, Nebr.

AUCTION SCHOOLS

\$100 Day Auctioneering. Term soon, free catalog. Reisch Auction School, Austin, Minn.

Lister Blades . . .

Convert your lister into an implement for successful summer fallowing, seedbed preparation—bindweed eradication.

Pence High Carbon Steel Blades are rigidly constructed, made to fit one—two—three row listers. The two row spreads 7 feet, cutting everything, leaving stubble and trash on top to prevent evaporation and erosion. **SEND FOR CIRCULAR.**

PENCE TOOL COMPANY
P. O. Box 36 York, Nebraska

SEED

Prices quoted in these ads are assumed to be F. O. B. unless otherwise stated.

KANSAS CERTIFIED SEED

Field Inspected and Laboratory Tested. Be Safe—Plant Certified Seed.

Forage Sorghums: Atlas, Kansas Orange, Early Sumac, Leoti Red.

Grain Sorghums: Colby, Finney, and Wheatland Milo; Blackhull, Fink, and Club kafir.

Sudana Grass, Bromo Grass, Linota, Flax.

Corn: U. S. 13, U. S. 35, Rd, Pride of Saline, Midland, Porcorn; Supergold.

Soybeans: Hongkong and A. K.

Alfalfa: Kansas Common.

Write for list of growers.

The Kansas Crop Improvement Association
Manhattan, Kansas

Kansas Alfalfa \$8.40; Oklahoma Alfalfa \$7.50; White or Yellow Sweet Clover \$3.30; German Millet \$1.50; Sudan Grass \$1.70; Hybrid Corn \$3.50; Atlas Sargo \$1.10; Cow Peas \$2.00; Cane \$1.25; Flax \$2.00; All per bushel. Complete price list, samples and catalog upon request. Standard Seed Company, 19 East 5th Street, Kansas City, Mo.

Korena Lespedeza \$4.75 Cwt. Certified Atlas Sargo \$3.50 Cwt. Mixed Cowpeas \$1.35 Bu. Mungbeans \$2.00 Bu. Sweet Sudan \$4.50 Cwt. Broomcorn, Proso, Hegari, Flax, Soybeans, Kafir, Omer Webb, Jasper, Mo.

Pure Certified Early Sumac, Pink Kafir, Kansas Common Alfalfa and Wheatland Milo of high germination and purity. Norkan, the new Atlas X Sumac Hybrid. Fort Hays Experiment Station, Hays, Kan.

Pride of Saline Seed Corn. State germination test 96%. \$1.50 bushel. Atlas Sargo seed, grown from certified seed, state germination test 79%, 2c lb. Arthur Pate, Manhattan, Kan. Rt. 4.

Certified Atlas \$2.95; certified Kansas Orange \$4.95; afdavit Atlas Kansas Orange, Sumac and Sourless \$1.95. All cwt. Sudan \$3.50. All good germination. Dan Eitzen, Hillsboro, Kan.

Turghal Proso Grain and Hay Millet yields to 75 bushels seed and 5 tons hay acre. 60 day crop. Best poultry and livestock feed. Circular. Hillmarn Farms, Windsor, N. Dak.

Certified Sudan—Cheapest source of protection against Prussic acid poisoning. Purity 99.16%, germination 91%. V. A. Unruh, Pawnee Rock, Kan.

Pure Certified Seeds. High germination; varieties Leoti Red, Early Sumac, Sudan Grass, Colby Milo. Berryman Brothers, Ashland, Kan.

For Sale: Certified Kansas orange cane. A grower of certified Kansas orange for 21 years. J. H. Stants, Abilene, Kan.

Kansas Certified Hays Golden Corn, germination 98%, \$2.25 per bushel fob. Frather Brothers, Longton, Kan. (Elk County.)

Certified Leoti Red Cane. Germination 87, purity 99.72, \$3.50 per hundred. Kermit Hayes, Geneseo, Kan.

Reid's Yellow Dent Corn, South American popcorn, all certified. Laptad Stock Farm, Lawrence, Kan.

Certified Sudan Grass \$5.00 per cwt. Pure Atlas Sargo \$2.00. Walter Pierce, Jr., Hutchinson, Kan.

Certified Club Kafir, Hongkong Soybeans, Hybrid corn. Harold Staadt Seed Farm, Ottawa, Kan.

FLOWERS

Dahlia Special—15 mixed \$1.00; 12 giant labeled \$1.00; 100 Glads \$1.00; 15 mixed Chrysanthemums \$1.00; 15 Delphiniums \$1.00. Catalog. Clarksburg Dahlia Gardens, Clarksburg, Indiana.

TRACTOR PARTS

Write for Free, Big 1941 tractor parts catalog, all makes. Tremendous savings satisfaction guaranteed. Central Tractor Wrecking Company, Boone, Iowa.

Used Tractor Parts for Most All Makes. Lowest prices, quality guaranteed. Free 1941 catalog. Acme Tractor Salvage Company, Lincoln, Neb.

New and Used Tractor Parts at lowest possible prices. Write for free 1941 catalog. Reliable Tractor Parts Co., Hastings, Nebr.

Save on Tractor Parts. Write for New 1941 Catalog. Tractor Parts Co., 1925 McGee, Kansas City, Mo.

New and Used Tractor Parts at a saving. Tractor blocks rebored. Tractor Salvage Co., Salina, Kan.

IRRIGATION SUPPLIES

Irrigation Systems Properly Engineered and completely installed. Sold on easy terms. Using Doerr Gravel Guard Irrigation Casing—which makes better wells and lowers pumping costs. Write or phone. A. A. Doerr Merc. Co., Larned, Kan.

ELECTRICAL SUPPLIES

For Sale: Used Jacobs Wind Electric Plant. A late model with complete fully automatic features. In good condition. Large capacity sufficient for modern farm requirements. A real bargain priced for quick sale. Also several other makes of used wind plants in good condition that must be sold promptly. Write at once for information on sizes and prices. F. A. Stegeman, 149 South Santa Fe, Salina, Kan.

Generators—500 watt, 110 volt, alternating current \$22.50; 5000 watt, direct current \$55.00; 1/2 horse, 3450 speed, repulsion induction, alternating current motors \$9.75. Butler Electric, 1885 Milwaukee, Chicago.

DOGS

Puppies: Shepherds, Collies. For watch and stock. Reasonable. E. N. Zimmerman, Flanagan, Ill.

PERSONALS

Maternity, Seclusion Hospital for unmarried girls. Write 4911 East 27th, Kansas City, Mo.

ALLSTATE Tractor Tires

For the man who wants the advantage of rubber tires on his tractor, here's the offer! (Complete change-over from steel to rubber.)

Here's What You Get

- 2-9.00x16; 11-36 Rear Tires
- 2-9.00x34; 11-36 Heavy Tubes
- 2-Wide Base Rims (Rear)

COMPLETE \$89.50 FOR ONLY..

With High Profile De Luxe Tires—(America's finest) at..... \$102.50 (Including Rims and Tubes)

Other sizes reduced in proportion. Small additional charge for cutting down rims. You can pay \$5 down and \$8 monthly; or pay at crop-selling time within 12 months.

NOTE: These prices good in Topeka Store only. Send ORDER Topeka Store and advise the payment plan you prefer.

SEARS, ROEBUCK AND CO. TOPEKA, KANSAS

OIL FILTERS

RECLAIMO OIL FILTER

The original and only truly heated oil filter. Sold and guaranteed by reliable implement dealers, garages. Six successful seasons.

RECLAIMO SALES

Elgin = = Nebraska

Shur-Kleen Oil Filter-Refiners give best results in filtering and refining oil. Superior method of applying heat removes dilution more efficiently. For all motors. Free literature. Kolman Mfg. Company, Elgin, Nebr.

PHOTO FINISHING

Free—One Roll Developed and Printed Free. Just to get acquainted, we will beautifully develop and print your first 8 to 16 exposure roll Free plus 5x7 inch enlargement Free also sensational, new folding folio to frame your prints, all free with this ad. (Enclosing 10c for handling and mailing appreciated.) Dean Studios, Dept. 1031, Omaha, Nebraska.

Free—Get Acquainted Offer. We'll make two Custom Quality snapshot prints from your favorite film negatives. Just mail this ad. and two negatives. Free prints, mailers, new 1941 price lists sent by return mail. Ray's Photo Service, Dept. 19-CA, LaCrosse, Wis. Quality work since 1920.

Rolls Developed—Two beautiful double weight Professional enlargements, 8" Never Fade deckle edge prints, 25c. Century Photo Service, LaCrosse, Wis.

15c Develops & Prints 6-8 exposure roll or 2 prints each and enlargement coupon 2c. 20 reprints 25c. Prompt. Anderson Studio, Hutchinson, Kan.

Rolls Developed, two prints each and two free enlargements coupon 2c; reprints 2c each; 100 or more, 1c. Summers' Studio, Unionville, Mo.

Enlargement Free, eight brilliant border prints and your roll developed 25c. Camera Company, Oklahoma City, Oklahoma.

Album With Roll Developed and 16 prints 25c. Guaranteed reprints 1/4c. Pioneer Photos, Hutchinson, Kan.

MEDICAL

\$25.00 Reward Will Be Paid by the manufacturer for any corn Great Christopher corn and callous Salve cannot remove. Sold by all dealers. Manufactured by Great Christopher Corp., Buffalo, N. Y.

Free Book—to Piles, Fistula, Stomach and Colon sufferers. 122 pages. Illustrated. Latest institutional methods. Write today. McCleary Clinic, E 2540 Elms Blvd., Excelsior Springs, Mo.

Don't Let Asthma Wear You Down, when Minton's Asthma Remedy has been relieving asthma sufferers since 1895. Write Sarco Remedy Co., Sidney, Ohio.

FEATHERS

Feathers Wanted: We pay the following prices: White Goose 95c; Grey Goose 85c; White Duck 67c; Colored Duck 57c; Quilly Goose and Duck at discount. No used feathers wanted. Remittance promptly. Progress Feather Company, 657 W. Lake, Chicago.

Highest Cash Prices Paid for new Goose-Duck feathers. Remittance paid promptly. West Chicago Feather Co., 3415 Cermack Road, Chicago, Ills.

TOBACCO

Kentucky's Special—Guaranteed best mild smoking or red chewing, 12 pounds \$1.00. Recipe favoring free. Valley Farms, Murray, Ky.

Postpaid—Guaranteed, Redleaf chewing, 10 lbs. \$1.50. Smoking \$1.25. E. Travis, Dresden, Tenn.

PATENTS AND INVENTIONS

Patents, Booklet and Advice Free. Watson E. Coleman, Patent Lawyer, 724 9th St., Washington, D. C.

WOOLEN GOODS

Wool Batting, mattress pads, comforters. Quilts custom made. Wool batts recarded. Catalog free. Middlebury Woolen Mills, Middlebury, Ind.

MISCELLANEOUS

Traps for Catching Pocket Gophers. (Sure catch). Circular free. Renken Trap Co., Crete, Nebr.

LAND—MISCELLANEOUS

FEDERAL LAND BANK

WICHITA, KANSAS
Farms for sale in Kansas, Oklahoma, Colorado and New Mexico. See National Farm Loan Association in your county or write direct. Give location preferred.

More New Farm Land. Washington, Minnesota, Montana, Idaho, Oregon, North Dakota. Dependable crops, favorable climate. Write for literature list of typical bargains. Specify state. J. W. Haw, 81 Northern Pacific Ry., St. Paul, Minn.

PLANTS—NURSERY STOCK

Prices quoted in these ads are assumed to be F. O. B. unless otherwise stated.

Plants at Wholesale

Wholesale Prices to Everyone. Order your plants direct and save dealers profits. State Certified, Large, Stalky, Well-rooted, Open Field Grown, Ready Now. Any Size. **POTATOES:** Nancyhall, Yellowyam, Portorico, Redvelvet, Jersey, TOMATOES: Bounty Bison, Firesteel, Victor, Breakday, Marglobe, Prichard, Rutgers, Oxheart, Earliana, Baltimore, Stone, PEPPER: Chinese Giant, California Wonder, Worldbeater, Bullnose, Pimento, Hot. **CABBAGE:** Golden-acre, Penn State, Hollander, Dutch, Succession, Aliseason, Copenhagen, Redrock, Chinese. **ONIONS:** Bermuda, Sweet Spanish, Silverskin, Prizetaker. Also leading varieties: Eggplant, Cauliflower, Celery, Broccoli, Brussels Sprouts, Collards, Lettuce, Beets, Dill. All Plants Same Price. 300-50c; 700-1.00; 1,000-1.35; 1,500-2.00; 5,000-85.50. Postpaid. Mixed any way wanted. Moss Packed. Varieties labeled. Prompt shipment. Satisfaction Guaranteed.

WHOLESALE PLANT CO., SADLER, TEXAS

SWEET POTATO PLANTS

Genuine Nancy Hall Porto Rican 500-65c; 1000-1.00; 5000-4.75 Prompt shipment. Strong plants. **OBION PLANT FARMS, UNION CITY, TENN.**

Tomato, Cabbage, Onion, Pepper, Plants—Large, stalky, well rooted, hand selected, root mosses. Tomatoes—Earliana, John Baer, Marglobe, Sonny Best, Stone, Early Jewel, 300-60c; 500-85c; 1000-1.50. Cabbage—all varieties, 300-50c; 500-75c; 1000-1.25. Onions—Bermudas Sweet Spanish, 500-60c; 1000-1.00. Pepper—Sweet, Hot 100-40c; 300-1.00; 500-1.25; 1000-2.25. Potato Plants—Porto Rican, Nancy Hall, Red Velvet, 300-1.00; 500-1.25; 1000-2.00. All Postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Texas.

Certified, Improved, Portorico, Redvelvet, Yellow Yams plants, all varieties, Peppers, Sweet, Pimento and hot. All varieties Cabbage, Tomatoes, Cauliflower, Broccoli, Celery, Collards, Brusselssprouts, Onion, Beets, Yam, Head Lettuce. Field grown, 300-50c; 700-1.00; 1000-1.25; 5000-5.00. Mixed as wanted. Moss packed and labeled. Guaranteed to reach you in good condition. Prompt shipment, full count. We ship good plants from April to July. No order to big. Cooperative Plant Co., Whitesboro, Texas.

Plant Assortment—200 certified frostproof Cabbage, 200 Onions, 200 Tomatoes, 25 Pepper, 25 Cauliflower, or Eggplants, Broccoli, Brussels Sprouts, all \$1.00 postpaid. Mixed as wanted, 200-50c; 650-1.00; 1,000-1.50 postpaid. Express collect \$1.00. Large hauls, special. Mosspacked. Prompt shipment. Satisfaction Guaranteed. Jacksonville Plant Co., Jacksonville, Texas.

Sweet Potato Plants, Northern grown. Prices prepaid. Yellow Jersey, Red Jersey, Nancy Hall, Red Bermuda, Yellow Nevada, California Golden, Southern Queen, Yellow Yam, Black Spanish, Big Stem and Vineless Yam: 100-50c; 300-1.00; 500-1.50; 1000-2.50; 5000-10.00. Shipments daily. Roots well packed. Rollie Clemence Truck Farm, Abilene, Kan. Phone 37-F-03.

Certified, Frost-Proof Cabbage and Onion Plants. Cabbage, All Varieties, Parcel Post Prepaid, 200, 50c; 500, \$1.00; 1,000, \$1.75; Express collect 2.50, \$2.00. Onion, All Varieties, Parcel Post Prepaid, 500, 60c; 1,000, \$1.00; Express collect 6.00, \$2.00. Prompt shipment, safe arrival, satisfaction guaranteed. Catalog free. Union Plant Company, Texarkana, Arkansas.

Sweet Potato Plants (Soonerland Brand). Certify each shipment to contain only plants grown from government inspected, best quality seed. Porto Rican, Jersey, Red Bermuda, Nancy Hall, 500-75c; 1000-1.25; 5000-5.25. Tough field grown. Prompt shipment, extra count. Dealers wanted. Thomas Sweet Potato Plant, Thomas, Okla.

Send No Money. Pay Postman. Certified Frost-Proof Cabbage, Tomatoes, Pepper, Sweet Potatoes, Eggplants, Any variety. Moss packed. Mixed as wanted. 550-75c; 700-1.00; 1000-1.25; 5000-5.00. Transplanted Cabbage, Tomatoes, Pepper, Eggplants. 100-1.00; 500-3.00. Dixie Plant Farm, Troup, Texas.

Roses—2-year, field-grown, Red, Pink, Shell Radiance, Talisman, Pres. Hoover, Sunburst, Etolle Hollande, Columbia, Luxembourg, Casedonia, Briarcliff. All 19c each postpaid. Ship C.O.D. Catalog free. Naughton Farms, Inc., Waxahachie, Texas.

Free: Brand New Catalog selected, bargain-priced items. Unique, interesting, helpful. Necessities, specialties, gift suggestions. Save money. Rush postcard for your copy today. Lanerch Shop, 538J Wales Avenue, Lanerch, Penna.

Millions Nancy Hall and Porto Rican potato plants. 500-60c; 1,000-1.00; 5,000-4.75. 90c thousand. Treated to prevent disease. Tough well rooted, open grown plants. Prompt shipment. Farmers Plant Co., Gleason, Tenn.

Certified Plants, Postpaid, Improved Porto Rico, Red Velvet Potato, Cabbage and Tomato. Assorted if wanted: 500-85c; 1000-1.50; 2500-3.50. Satisfaction guaranteed. Thos. F. Reid, Russellville, Ark.

Fieldgrown—Tomatoes, Frostproof Cabbage, Onion, Headlettuce, 400-60c; 800-1.00, postpaid. Assorted. Satisfaction guaranteed. Raymond Mladenka, Hallettsville, Texas.

Certified Potato plants, Nancy Hall, Porto Rico, Red Velvet, 1,000-1.50; 3,000-3.25. Tomato plants, 300-65c; 500-90c; 1,000-1.40. Prepaid. A. O. Bowden, Russellville, Ark.

Millions Treated, Nancy Hall, Porto Rican Potato Plants, 1,000-1.00; 5,000-4.75; 10,000-9.00. Prompt shipment. Lewis Plant Farm, Gleason, Tenn.

Millions treated Potato Plants: Nancy Hall, Porto Rican, prepaid Parcel post 1,000-1.35. Express \$1.20. Charley McGill, Gleason, Tennessee.

Prepaid Certified Nancy Halls or Porto Rican, roots wrapped, over count. Prompt shipment 500-1.00; 1,000-1.75; 5,000-7.50. Richardson Plant Co., Murray, Ky.

Certified Sweet Potato Plants, Nancy Hall, Porto Rico, Yellow Jersey, 200-60c; 500-1.25 Postpaid. Arlie Woodard, Dongola, Illinois.

Nancy Hall and Porto Rican, 1,000-1.10; 2,000-2.20; 5,000-5.00; 10,000-10.00. Prompt Delivery. J. C. Dillinger, Gleason, Tenn.

Used 15 and 20-Foot combines for sale. Also tractors and other farm machinery. B. J. Herd, Coldwater, Kan.

Tomato Plants—98c per 1,000. All varieties now ready. Quick express shipments. Farmers Plant Co., Tifton, Ga.

Strawberry, Asparagus, 60c-100. Raspberries \$3.00-100. Postpaid. Jackson's, North Topeka.

SALESMEN WANTED

Wanted—Ambitious Hustlers. Sell Rawleigh products. Needed every home. Easily sold. Pleasant work. Should make good earnings at start and increase rapidly. We teach you how. Rawleigh's Dept. E-50-KFM, Freepost, Ill.

IN THE FIELD



Jesse R. Johnson
Topeka, Kansas

BELLOW BROTHERS, Maryville, Mo., authorizes us to claim October 11 for their fall sale of registered Shorthorn cattle. Registered Berkshire hogs are being bred at this farm also.

LESTER COMBS, secretary of **SUN FARMS** at Parsons, writes that "all is well" with the Guernseys. As usual, there is a fine selection of young bulls on the farm. Bourndale Rex is still doing his part in herd building, with the help of official record cows.

The cattle sold in the **MILKING SHORTHORN SALE** herd at Mason City, Iowa, April 12, averaged \$154. Eight bulls averaged \$123, and 41 females averaged \$160. Walter Clark, of Great Bend, Kan., and J. P. Malone, of Lyons, Kan., bought 21 head.

F. E. WITTM AND SON, Caldwell, veteran Poland China breeders, write encouragingly of the pigs sired by their new herd boar, Market Type. They say he sires the slickest, blackest pigs they have had for a long time. But they must have short legs and wide backs to be in favor of the Wittum farm.

J. B. DUNLAP, president of the Morris County Hereford Breeders' Association, and **GLOVER GODWIN**, another member recently exchanged breeding bulls. This might be an example to be more often followed, where neighbor breeders have used bulls of good breeding quality and have helpers sired by them ready to be bred.

JOHN AND RICHARD LUFT, successful breeders of registered Hereford cattle, Bison, have attracted much attention with the get of their great breeding bull, Real Prince D. 18th. Sons of this great breeding bull have sold for the highest averages at the state association sales. Eight head have averaged \$310. The brothers have brothers to this bull.

Secretary H. H. Reeves urges a big attendance at the **MILKING SHORTHORN DISTRICT SHOWS** to be held in Kansas next week as follows: Monday, May 5, Parker Farms, Stanley; Tuesday, May 6, Oswego; Wednesday, May 7, Great Bend; Thursday, May 8, Wakeeney; Friday, May 9, Lyons; Saturday, May 10, Delphos. Everyone interested in Milking Shorthorns should attend at least one of these shows.

Plans are nearing completion for the first **NATIONAL POLLED SHORTHORN CONGRESS** ever held, according to Miss Emily Krahn, secretary of the Polled Shorthorn Society, Chicago, Ill. The breed's largest event will be held at the Fair Grounds, Des Moines, Ia. May 21 and 22 are the dates set, and on the first day a show will be held. On the second day 80 registered Polled Shorthorns will be sold at auction. Breeders from 8 states will consign to the sale.

In the **NODAWAY COUNTY ABERDEEN ANGUS SALE**, held at Maryville, Mo., on April 26, a general average of \$167 was made on 63 head. The bulls averaged \$176 and the females \$164. The top bull sold for \$340, and the purchaser was Eastwood and Neill, of Fulton, Mo. \$350 was paid for the highest-selling female and she went to W. C. McLean and Son, of Braddyville, Ia. S. C. Strueby, Newton, Kan., was a good buyer in this sale, and Frank Ruddy, of Troy, Kan., was also a purchaser.

Many Kansas Farmer readers will recall the group of Jersey females shown at the Topeka Free fair a couple of years ago, Brown Eyed Betty and 7 of her 9 daughters. For uniformity and good, almost perfect, Jersey type, this exhibit overshadowed any group of cattle ever shown at any Kansas fair. This great group of cows is on the **TAYLOR FARM** on Route 1, west and a little north of Manhattan. Since the show mentioned, the old cow has dropped another heifer calf. On another page of this paper is an announcement by E. H. TAYLOR, with photo of these outstanding cows.

MERRYVALE FARM, Grandview, Mo., is recognized as one of the foremost breeding farms for registered Shorthorn cattle. L. R. KELCE, who has recently acquired this farm is holding his first registered Shorthorn Sale. As he bought the farm and all the livestock the same type and quality offered in previous Shorthorn sales held at this farm will be featured. A beautiful illustrated catalog will be sent to those who will write Mr. L. R. Kelce, 1012 Baltimore; Kansas City, Mo., or to Clinton K. Tomson, sales manager, Aurora, Ill. Remember the sale will be held at 9:30 a. m., May 15.

WOODHULL FARM AYRSHIRES, Hutchinson, have brought fame to Kansas by their winnings at the largest and strongest shows and fairs held during the last several years. The herd was founded many years ago by the father of **FRED WILLIAMS**, the present owner. I can recall having visited the herd several years ago when Ayrshires were not as popular as they are now. But the Williams family stayed loyally by their favorite breed, and did much to convince Kansas farmers and dairymen of the strong points of what now is one of the leading dairy breeds of the state. Elsewhere in this issue may be found information about this great herd, of its winnings and butterfat records.

DALE SCHEEL, proprietor of **ETHYLEDALE FARM**, has given and continues to give much thought to the breeding of registered Hampshire hogs. He is paying considerable attention to the matter of the Register of Merit program. His herd won the 1940 herd production contest. This award is made on the basis of Registry of Merit testing of the sow herd. The average 56-day weight of all the 1940 litters of Ethyledale Farm was 281.93 lbs. The average weight of purebred hog litters in the United States for the same period was 167.75 lbs. The 75 spring pigs now on the farm are nearly all by the thick-set, farmer-type boar, B. B. Special. Mr. Scheel invites inspection of his herd.

OLYDE SHADE HOLSTEIN DISPERSAL, to be held at Ottawa, May 7, should attract buyers from every section of Kansas. The herd is one of the old, well-established herds of the state. Records show heavy production and the cattle are of high quality. Last year's herd fat average was more than 400 pounds of fat. The herd is

LAND—KANSAS

Stock Farm

320 acres, 10 miles from Parsons on rock road. 143 acres cultivated, 122 acres native hay, bal. pasture. House, 2 barns, and other buildings. \$1250 down and \$532.98 annually pays interest and principal.

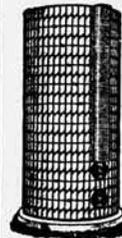
The Union Central Life Ins. Co.
412 C. B. & L. Bldg. Topeka, Kansas

Did You Know that the increase from 10 good cows will make your annual payments of principal and interest on a 160 acre farm home in Wilson county located on highway 11 miles from Chanute? Complete set of buildings recently repaired and painted. This \$31.25 per acre farm can be purchased on terms like rent. Earl C. Smith, 412 C. B. & L. Bldg., Topeka, Kan.

\$6,500 Will Buy Modern Home, nine acres, two henhouses for 1,500 hens, five brooder houses, tenant house, barn, trees, edge of town, city water and electricity. Negotiate with owner. Chas. Kristufek, Larned, Kan.

Dairy Farm: Adjoining Emporia, good dairy barn, 6 rooms, electricity, gas, city water, 30 acres, \$3,000. Give possession. T. B. Godsey, Emporia, Kan.

Tongue-Lock Concrete Stave Silos



Made by a new manufacturing process which makes our silo superior. You also have our 28 years of experience to assure you of a better silo. Contract this month for a McPherson Silo for later delivery. This will give you a large discount and protect you from increase of material prices. Write to

McPherson Concrete Products Co.
323 North Ash Street
McPHERSON, KANSAS

BALE your Hay and Straw

By the **Ann Arbor PICK-UP METHOD**

A Better Baler Is Better Economy

Tucks every feed. Saves foliage. Eliminates hay being graded as stemmy. Avoids scattering and litter. No threshing, cutting, mashing or shattering. Investigate new light model No. 18 for one and two plow tractors. Other models for any and all baling needs. Bear Cat Grinders and Fox Pick-Up Cutters.

ANN ARBOR-KLUGHART CO.
1311 W. 13th Kansas City, Mo.



Hastings GRAIN BIN

Get story about wheat stored 11 years in Hastings bin! Automatic ventilator did it! Strong. Cheapest to own. No platform needed. Rafter's under roof. FREE BOOK! Hastings Equity Bin Co. Dept. K-10, Hastings, Nebr.

GUERNSEY CATTLE

PLAIN VIEW GUERNSEY FARM

OFFERS FOR SALE... Registered Cows, Heifers and Bulls. Priced reasonable. Come and see us.

All cattle bred to or sired by our herd sire, Meadow Lodge Rex's Cherokee 260217 (whose three nearest dams average 13,760 lbs. milk and 684 lbs. fat). Sire: Bourndale Rex; dam, Maple Lane College Queen (a splendid granddaughter of Longwater Africander). "Queen's" record is 11,341 lbs. milk and 562 lbs. fat in Class E.

A. P. Unruh & Son, Moundridge, Kan.

Choice Guernsey Heifer Calves

Four choice month-old high-grade Guernsey Heifer Calves. Express prepaid, \$90. C.O.D. **LOOKOUT FARM, LAKE GENEVA, WISC.**

GUERNSEY BULLS OFFERED

We have some very good young bulls for sale out of sons of Bourndale Rex and from cows with official records. We would like to buy a few good registered females. **Lester Combs, Secy., Sun Farms, Parsons, Kan.**

AUCTIONEERS AND SALES MANAGERS

The AUCTION Way is The BETTER Way

Under normal conditions good livestock brings the highest retail price if sold at auction. Large numbers selling at private sale often sell at low wholesale prices.

BERT POWELL (Auctioneer)

1531 Plass St. Topeka, Kansas

Clyde Shade Dispersal May 7, Ottawa, Kan.

75 REGISTERED HOLSTEINS

Tb. accredited and many times Bang's negative. Herd last year averaged over 400 lbs. fat. Present herd sire, Carnation Inka Spofford Heilo, son of Sir Inka May from Heilo Spofford Walker with 686 lbs. fat at 3 yrs., and granddaughter of Segis Walker Matador. Sixteen daughters and 12 sons from calves up to yearlings selling. Herd includes 10 daughters of Shungavally Ormsby Dean, Grand Champion at the Kansas State Fair, 1936. 11 daughters of Shungavally Gerben Colantha, rich in the blood of Forum Monogram and Dean Colantha Homestead Ormsby. The herd kept under practical farm conditions and milked twice a day, and every animal born and raised on the farm. Herd being sold without reserve, as Mr. and Mrs. Shade wish to retire.

ALSO INCLUDED IN SALE—9 head of outstanding breeding from ST. MARY'S COLLEGE, ST. MARYS, KAN.

Sale starts 12 noon at Clyde Shade Farm, 2 miles east of Ottawa, Kan., on 15th Street
Baird & Darcey, Sale Mgrs., Waukesha, Wis.

Mrs. E. P. Miller Holstein Dispersal



JUNCTION CITY, KANSAS
THURSDAY, MAY 22

At 12 o'Clock—Southeast Corner of Town

40 HEAD

Every animal, young or old, of either sex, sells. 23 young registered cows of the highest quality. 20 have freshened recently and over 50 per cent are now milking from 50 to 75 lbs. a day. D. H. I. A. records are running up around 400 to 500 fat. The great herd bull, Sir Ormsby De Kol Billy, also sells. He is a full brother to the many times grand champion bull owned by Phillips Bros. 16 calves, male and female, of unusual type and mostly sired by above bull. A calf club opportunity.

The herd consists of the top twenty cows from a former herd of 100 head. A grand, well-fitted, healthy group that are in bloom at this time. There are no tail-enders.

Four head of fresh cows from Washington county are also consigned, including 2 high-record cows from Meierkords, a daughter and granddaughter of the great Fredmar Sir Fobes Triune.

Health certificates of freedom of disease are available. Don't miss the quality sale of 1941. Write for catalog to:

G. R. Appleman, Sales Mgr., Linn, Kansas

Auctioneers: McCulloch and Powell

Jesse R. Johnson, Fieldman

ECHO FARM JERSEYS



Brown Eyed Betty and seven of her nine daughters

"BY THEIR FRUITS YE SHALL KNOW THEM"

We bred both sire and dam of the above group of animals, and their ancestors for several generations back.

BEAUTY'S OXFORD RALEIGH POET sired cows with the very desirable combination of uniform type with high average production and splendid udders. 21 classified daughters rated 2 Excellent, 11 Very Good, 8 Good Plus; 12 daughters have D. H. I. A. records that average 442 lbs. fat. The daughters of these cows from the proven sire Sam's Oxford Dreamer 338473, are showing lots of quality, and it looks like this cross is a good one. A few cows for sale, some fresh, others will freshen soon.

E. H. TAYLOR, Owner R. F. D. 1 MANHATTAN, KANSAS

Brookside Jersey Stock Farm

Established Over
Thirty Years



JERSEYS BRED BY MARSHALLS

20 to 30 cows always in milk. ST. MAWES, RALEIGH'S and LONGVIEW breeding. RALEIGH'S MASTERPIECE and PRIMATE VOLUNTEER in service. We have something for sale every month in the year. We price them so they can be owned profitably.

A good selection of bulls now on hand. Baby bulls to serviceable age. Visitors always welcome.

Marshall Bros., Sylvia (Reno Co.), Kansas

free from Bang's and Tb., and comes from the best of ancestors. Mr. Shade has devoted many years of hard work to building the herd and is deserving of good prices. The cattle may be seen any time now, and Mr. Shade will do his best to help buyers by furnishing all information regarding the different individuals that sell. This will be a great opportunity for Kansas Farmer readers.

On their well-improved farm near Osborne, R. R. WALKER AND SON continue in their favorite vocation of breeding better registered Shorthorns. They have bred good cattle for many years. Foundation stock, especially good herd bulls, have been selected and purchased from such well-known breeders as A. C. Shallenberger and Tomson Brothers. The nice, small farmer herds in this part of the state are largely a result of the good bulls raised on the Walker farm for the last several years. Heading the herd now is a great young son of Proud Marksman. The choice herd of young cows and heifers he is being mated to are largely daughters of Ashbourne Cornerstone, a Shallenberger bull. It is the ambition of the Walkers to have better bulls each year for their old and new customers. They invite inspection.

E. C. LACY AND SONS, Miltonvale, are among the Shorthorn breeders of the territory who have stuck doggedly to the business of herd improvement in the face of rather discouraging times. When things looked worse they never said quit, just bought a better bull and stayed in the game. For the last 3 sales consigned to, they have shown the champion bull twice at Wichita and once at the North Central Kansas Beloit sale. The great breeding bull, Gregg Farm Victorious, has left his stamp on the herd and now Glenburn Destiny is making good on daughters of the good breeding bulls that have preceded him. Many of the best Scotch families are represented in the herd of about 60 cows. Lacy's are always glad to show their cattle whether to visitors or buyers or just those interested in better Shorthorns.

ED LIVINGSTON, Junction City, has purchased from Plainview Farm at Louisville, Ky., an unusually promising young son of the great breeding imported Jersey bull, Volunteer Right Royal. The calf is an excellent individual and few are better bred. Mr. Livingston already has a lot of this breeding that is proving extra good from the production standpoint. One of them was high cow in the cow-testing association last year with 534 lbs. fat, 474 cows in the association on 2-times-a-day milking. Second calf heifers are now making up to 80.9 lbs. fat a month. The calf now 10 months old will be shown along with other representatives of the herd at the Abilene parish show on May 10. The bull's name is Right Royal Mighty. Fifteen of his half-sisters classified as follows: 5 Very Good, 10 Good Plus, and 2 Good.

Forty years ago E. E. BOOKER, Beloit, stocked his Mitchell county farm with registered Shorthorns. The business has continued uninterrupted ever since. For the last 20 years his son-in-law ANDREW PETERSON, has been associated with him in the business. Many discouraging conditions have been overcome during the years, but always the Shorthorns have been depended on for income in buying more acres and improving farms. The herd now numbers nearly 100 head and farmers of the territory who have almost quit cattle raising are now turning toward this progressive firm for breeding stock. The present herd bull is polled and a large per cent of the young cattle are polled. The farm is a stock farm and crops grown are all fed on the farm. Booker and Peterson are members of the Central Kansas Shorthorn Breeders' Association.

I am in receipt of a lengthy and interesting letter from H. D. SHARP, secretary of the BARTON COUNTY MILKING SHORTHORN ASSOCIATION. Mr. Sharp tells an interesting story of the incidents leading up to the founding of the association and what plans are being made to interest the younger farmers in good Milking Shorthorn cattle. New blood is being brought in from other states, as the older breeders see the need to extend their breeding program. Last fall, Stafford county joined in a big show. The show and efforts of the association members have been responsible for the increased demand. Since August 20, members of the association have sold \$2,140 worth of breeding stock; 65 or 70 per cent of all sales have been to farmers in the county. One member says his sales have increased 35 per cent since he joined the association.

L. W. HERPICK AND SONS, Hereford breeders, of Delavan, did a good day's work when they visited the F. H. Belden herd and purchased the good breeding son of New Prince 12th. They named the bull New Prince 44th. His dam was a daughter of The New Prince, making him a double New Prince. His pedigree is replete with generations of Domino and Beau Mischief breeding. Besides he is a good individual and one of the gentlest bulls I have ever seen. The Herpicks have a dozen or so daughters of this bull and will follow him with Waco Domino 64th, a son of Baron Domino 30th with dam by Fosters Anxiety 22nd. The herd has been established since 1935. In founding the herd the first 2 females came from the Belden herd; later purchases were made from the Bluevalley herd at Irving, and since, others have been selected from the Miller and Manning herd.

May 14 and 15 will be important days so far as Shorthorn sales are concerned. Sni-A-Bar, Merryvale, Miles-of-View and Roanridge sell on the dates mentioned. 100 head of registered Shorthorns of the breed's best bloodlines with type and quality to suit both breeder and farmer sell in these auctions. SNI-A-BAR FARMS,

Woodhull Wide-Awake 49301

Senior herd sire. Grand Champion at many State fairs and the sire of offspring that are winners. He is proving a worthy successor to Sycamore Jim as his first two daughters have completed records that are well in excess of their dams' records. The first 10 daughters of Sycamore Jim 46596 tested in our herd have made 13 records that average 9,385 lbs. milk, 4.4% test, 413.6 lbs. fat. All are 305-day records made at immature ages and on two-time milking. Our junior herd sire, Woodhull Rare Jim, is one of his sons. Our 1940 D. H. I. A. average was 10,123 lbs. milk and 432.1 lbs. fat. Herd Test average was 9,804 lbs. milk, 4.32% test and 423.92 lbs. fat. A special May offering is a splendidly-marked son of Wide-Awake out of Woodhull Sunny Martha, one of Sycamore Jim's top daughters, that made in her first lactation 10,927 lbs. milk, 4.48% test, 490.5 lbs. fat in 305 days. Price \$100.

G. FRED WILLIAMS, HUTCHINSON, KANSAS

JERSEY CATTLE

Right Royal's Mighty

Comes to Kansas

Son of IMP. Volunteer Right Royal (22 daughters have yearly herd averages of 11,732 pounds of milk and 586 butterfat). Grand Champion of Ohio and champion get-of-sire. Classified excellent. The dam of our bull, Mighty Pauline, has 631 fat in 365 days and over 10,000 lbs. of milk (classified good). We bought him to follow Volunteer Right Royal, whose daughters are making up to 534 lbs. fat yearly. See our exhibit at Abilene Parish Show, Abilene, May 10.

**ED LIVINGSTON
Junction City, Kan.**

MILLER'S High-Producing JERSEYS

On D. H. I. A. test for the past nine years. High herd average during the time..... 510 lbs. fat
Lowest herd average..... 427 lbs. fat
Average for the nine years..... 453 lbs. fat
Average number cows on test during the nine years..... 20
Two-times-per-day milking.
Member of the Sunflower Better Sires Club
A. W. MILLER, LARNED, KANSAS

Walnut Hill Stock Farm Offers

Eighteen month son of Brookside St. Mawes Raleigh 354352. Five-year-old Poppy Coronation Lily (just fresh). Five-year-old Brookside Tulp (to freshen in July) also other good cows and heifers.
Mrs. Thos. R. Taylor, Great Bend, Kan.

OCTOBER 6, 1941

was selected for Rotherwood's First Great Sale of Gold and Silver Medal Jerseys because it is in the fall of the year, the time when the buyers will have time to appreciate what they buy that day. In the meantime we have nothing to offer for sale.
**A. LEWIS HUTCHINSON, Rotherwood Jerseys
Hutchinson, Kansas**

King Poppy Volunteer 4404214
for sale. 2 years old, son of Coronation Poppy 376048. Dam, Volunteer Favoric Wrdoa 108584. \$85.00. Ewart Kolterman, Westmoreland, Kan.

HOLSTEIN CATTLE

Two 2-Year-Old HOLSTEIN BULLS

for sale. Sons of a proven sire, from a 401-lb.-fat 2-year-old 4% dam, she from a 618-fat dam. Both 2-time milking. One, whose maternal sister has 358.9 fat 305 days as a 2-year-old, and paternal sister has 602 fat 365 days; both 2-time milking.
LEO H. HOSTETLER, HARPER, KAN.

HOLSTEIN BULL FOR SALE

Duke Ormsby, by Segis Alcartra. 20 months old and registered. Good breeding and records.
CORNELIUS A. LADY, R. 1, ABILENE, KAN.

THONYMA HOLSTEINS
Three sires used or bred at THONYMA were proven in 1940 with the following two-times-a-day milking indexes—541, 506 and 400 lbs. of fat.
Reed's Farm Dairy, Lyons, Kansas

DRESSLER'S RECORD HOLSTEINS
Cows in herd are daughters and granddaughters of the state's highest butterfat record cow, Carmen Pearl Veeman, 1,018 lbs. fat. Bulls for sale.
H. A. Dressler, Lebo, Kan.

POLAND CHINA HOGS

Poland China Boars & Gilts
Fall Boars and Gilts sired by D's Pathway Jr., 1st Sr. Yrl. Kansas State Fair. Spring-farrowed Boars and Gilts sired by 5 prominent and well-known herd boars. Bred sows after May 1.
W. A. DAVIDSON & SON, SIMPSON, KANSAS

Better Feeding Polands
Short-legged, wide-backed, quick-maturing kind. Spring pigs either sex.
F. E. WITTUM & SON, CALDWELL, KAN.



WOODHULL WIDE-AWAKE 49301

Senior herd sire. Grand Champion at many State fairs and the sire of offspring that are winners. He is proving a worthy successor to Sycamore Jim as his first two daughters have completed records that are well in excess of their dams' records. The first 10 daughters of Sycamore Jim 46596 tested in our herd have made 13 records that average 9,385 lbs. milk, 4.4% test, 413.6 lbs. fat. All are 305-day records made at immature ages and on two-time milking. Our junior herd sire, Woodhull Rare Jim, is one of his sons. Our 1940 D. H. I. A. average was 10,123 lbs. milk and 432.1 lbs. fat. Herd Test average was 9,804 lbs. milk, 4.32% test and 423.92 lbs. fat. A special May offering is a splendidly-marked son of Wide-Awake out of Woodhull Sunny Martha, one of Sycamore Jim's top daughters, that made in her first lactation 10,927 lbs. milk, 4.48% test, 490.5 lbs. fat in 305 days. Price \$100.

G. FRED WILLIAMS, HUTCHINSON, KANSAS

HEREFORD CATTLE

VV Bar Ranch

14 miles south, 6 miles east of Meade, Kansas

If you are a Hereford Breeder, you know of the benefits received from using purebred bulls.

We have for sale 30 registered Hereford bulls from 1 to 3 years old, all from proven bloodlines.

These bulls have wintered splendidly, and are in excellent condition for their spring and summer work.

Prices vary with the age and quality of the individual, of course, but you can plan on paying from \$100 to \$200 for your purchases.

V. V. LONG, Jr., Supt.
Meade, Kansas

Morton's Hereford Cattle Farm

100 Registered Herefords

Foundation cows sired by DOMINO BOY SPARATAN G (bred by S. S. Spangler) in service. Quality, breeding and price suited to the farmer and small commercial cattleman's needs.

For sale, good young registered bulls from calves to 2-year-olds. Also cows and heifers.

W. P. MORTON
Coldwater (Comanche Co.), Kan.

Blue Valley Hereford Ranch

50 Years of Constructive Breeding

Featuring the blood of such sires as BONDAS RUPERT GALAXY

ARCOLA DOMINO 17th
Combining the great Domino and Hazlett bloodlines. 100 females in herd (Anxiety breeding). Young bulls for sale. Visitors welcome.

FRED R. COTTRELL
Irving (Marshall Co.), Kan.

Kansas State Hereford Breeders' Association

Is organized to assist Hereford breeders and commercial cattle growers. Better co-operation means better cattle and better markets. Ownership of one HEREFORD bull makes you eligible to membership. Send \$1.00 membership to president or secretary.

DR. B. E. MILLER, President,
Council Grove, Kan.
J. J. "JERRY" MOXLEY, Secretary,
Manhattan, Kan.

HELDS' DOMINO HEREFORDS

We are keeping his daughters, and offer for sale WHE DOMINO 27th, a son of WHE Star Domino 24th (by Prince Domino 4th). Dam of our bull a daughter of Prince Domino 3d. Sure breeder and a good sire as proven by calves now on hand. Also young bulls. Inspection invited.

LEONARD HELD & SONS
Great Bend, Kan.

REAL PRINCE DOMINO HEREFORDS

The blood of Prince Domino thru Real Prince D 18th (son of Real Prince Domino 33rd) mated to daughters of Onward Domino. Visitors always welcome.

LUFT BROS., BISON, KANSAS
John N. Luft Richard Luft

Registered Hereford Bull

Five years old, calved September, 1936. Sire—Hazelford Tone 74. Dam—Double Bocaldo 6th. Priced to sell. Call or write.

JAMES M. and FRANKLIN D. CLARK
Onaga, Kan.

Walnut Valley Hereford Ranch

Bulls 10 to 18 months old. Grandsons of Hazford Rupert 25th, Bocaldo Tone 19th, and a son of Hazford Rupert 25th. Females of the same age and breeding.

LEON A. WAITE & SONS, WINFIELD, KAN.

YOUNG HEREFORD BULLS

One 2-year-old, low built, good bone, from prize-winning sire.

J. M. PARKS, 1305 Wayne St., Topeka, Kan.

Grain Valley, Mo., sell 42 head on May 14. This farm has a national reputation so far as Shorthorns are concerned. The following morning at 9:30 the MERRYVALE FARM at Grandview will sell 30 head, 8 bulls and 22 females. This farm has been breeding and selling good registered cattle for many years and has won its share of prizes in the big shows. The afternoon of May 15, starting at 1 o'clock, MILES-OF-VIEW FARM and ROANRIDGE FARM will sell 30 head. Both of these farms are well and favorably known for the high-class Shorthorns they have bred and exhibited.

The information that the herd of registered Holstein cattle owned by MRS. E. F. MILLER, Junction City, is to be dispersed will come as something of a surprise to the Holstein breeders of the state. When the estate was settled a year or so ago the best of the cows were purchased by a member of the Miller family. But the milk business has grown to such proportions that it seems almost impossible to give the herd the care it should have, so an absolute dispersal is to be held on Thursday, May 22. G. R. Appleman, the sale manager, writes as follows, "I was surprised and startled at what I saw at Acme Dairy. Mrs. Miller purchased 20 of the best cows at the sale of 100 head when the estate sale was held. You can quote me this. Some sales in Kansas may have had a better top cow, but no sale held in Kansas was ever more free from tail-enders, and few were ever sold in a better condition." For catalog write Mr. Appleman, at Linn.

ALFRED TASKER AND SON, Shorthorn breeders, of Delphos, in Ottawa county, are moving steadily toward a set goal in the direction of better-balanced, thicker cattle. The senior herd bull now in service, has proved a big asset. His name is Model Archer, and he is a son of Proud Archer, noted sire that has done so much in the Tomson Brothers herd. A lot of the cows in the Tasker herd show that quality that comes from proved lines of breeding. Other bulls that have left their imprint in the herd are Highland Model, first in class at Kansas Free Fair, and Blumont Flash, sire of many winning 4-H calves. Many of the breeding females were sired by the bulls just mentioned. The junior herd bull from every viewpoint appears capable of fitting well into the picture. He is a son of Divide Barrister. Mr. Tasker and his son look upon Shorthorn breeding as the most important part of agriculture; wheat growing is a sideline. The farms are in a good state of repair, and club calves are always in evidence.

J. N. JOHNSON and M. H. PETERSON, a sturdy pair of Saline county farmers, began the breeding of registered Milking Shorthorns something like a dozen years ago. They live on adjoining farms and practice co-operative methods more than any other breeders I know. Each one knows all about the other's cattle. A cow that makes a big record at the fall or a bull that wins is a matter of intense interest to members of both families. But the herd bulls, as a rule, are owned jointly which, perhaps, accounts for a part of the herd community interest. What one fails to see, the other is sure to note. They do this even in buying advertising. Both have to be convinced before much of anything is done. Their co-operation is magnificent and helpful. I wish there were more of it among breeders. The herds have grown better each year. Especially good success, or good luck maybe, has been had in the selection of herd bulls. What has been accomplished by Hill Greek Gulman and Fair Acres Judge is well known. But the fame of Nauvoo Champion and what he probably will do is yet unwritten history. He is of Brookside Neralcalm breeding and was

POLLED HEREFORD CATTLE

KOLTERMAN'S POLLED HEREFORDS

PERFECT BEAU 5th in service. (A ton bull. Low set, thick, and carrying the blood of old BEAU MISCHIEF.)

We now have about 20 of his daughters. Our cow herd traces to Polled Harmon, Bullion, and other great proven sires. Young bulls for sale later on in the season.

LESTER H. KOLTERMAN
Onaga, Kansas

Mischief Domino 4th Heads Our Herd

—of 60 registered Polled Herefords (deep-bodied and heavy-boned). Cows carry the blood of BULLION sires. Grown in the open under natural farm conditions. Close inspection invited.

FRED W. LAMB & SONS
Macksville (Stafford Co.), Kan.

HAMPSHIRE HOGS

Ethydale Farm Registered Hampshires

In service:
KING OF CLANSMAN No. 254029
KING OF ETHYDALE No. 264317
ETHYDALE BOKKER No. 267751
Sows such as TAYLOR'S PATTERN No. 587728 (Register of Merit sow). Choice selection of fall boars for sale. Visit our herd. 75 spring pigs to date mostly by B&B. SPECIAL.

DALE SCHEEL
Emporia, Kan.

Morris County Hereford Breeders' Assn.

For the Convenience of Sellers and Buyers Annual Spring and Fall Sales

J. B. PRITCHARD, President,
Dunlap, Kan.

WALTER O. SCOTT, Secretary,
Council Grove, Kan.

GRAND VIEW POLLED HEREFORDS

Herd Established 1896
Herd Sires
BUGGS DOMINO (son of Mossy Plato 26th), dam by Mischief Plato—and
WARNERS DOMINO 42nd (a line-bred Domino bull)
Herd descendants of two horned cows, LORD WILTON breeding. Best of Polled herd sires in use for over 40 years. 100 females of breeding age. Choice young bulls for sale.
J. B. and OMER J. SHIELDS
Lost Springs, Kan.

Herpick's Registered Herefords

We have a fine lot of his daughters and offer for sale NEW PRINCE 44th (son of NEW PRINCE 12th and out of a New Prince cow). Low-set, good from end to end and perfectly gentle.
To use on the above heifers we have WACO DOMINO 64th, son of Baron Domino 30th, dam by Foster's Anxiety 22nd. Foundation cows from F. H. Belden, Fred Cottrell and Miller & Manning herds. Young bulls for sale. Inspection invited.

L. W. HERPICK & SONS
Delavan, Kan.

Kahola Creek Hereford Farm

40 BREEDING COWS (75% daughters or granddaughters of GRASSLAND DOMINO, a son of PRINCE DOMINO).
Now in service—ONWARD BLANCHARD, a low-set thick son of Advance Stanway, by Advance Domino, dam by Beau Blanchard. Herd established 20 years. For Prince Domino Herefords, visit us at your convenience.
Young bulls for sale.
J. B. PRITCHARD
Dunlap (Morris County), Kan.

Moxley Hall Invites You

to Inspect Our Herefords
HERD SIRE:
WHR Princeps Domino 46th
WHR Heritage 10th
Real Advance Domino
J. J. MOXLEY
Council Grove, Kan.

MISCHIEF SUPREME By MISCHIEF RETURN By BEAU MISCHIEF

—sired the choice calves we have consigned to the Annual Morris County sales during the past few years. Mated with cows of NEW PRINCE, BEAU BONNY blood. The results have proven the importance of careful mating. Herd established 20 years. Females for sale a little later in the season. Also bull calves. Inspection invited.
Glover I. Godwin, Council Grove, Kan.

Sylvan Park Anxiety 4th Herefords

HERD BULLS IN SERVICE
Advance Domino 78th (1897434)
Advance Domino 67th (2580690)
Choice Mischief (1910346)
Choice Domino 4th (2324778)
WHR Domino Stanway 10th (1892744)
Beau Beauty 4th (2255774)
200 Breeding Cows in herd. Foundation females and young bulls for sale.
MILLER & MANNING
Council Grove, Kan.



ONE OF OUR ASSOCIATION HERD BULLS. Don't fail to see this bull and many others at Hutchinson.

Mid-Kansas Aberdeen Angus Breeders' Assn.

Annual Sale
Hutchinson Fair Grounds

May 21, 1 p. m.

8 Cows with Calves by Side 18 Bulls
26 Extra Good Heifers

Some two years old, some yearlings, some bred, some open. All Bang's and Tb. tested. Sold with our usual breeding guarantee.

Our Consignors

- | | |
|---|----------------------------------|
| Fred P. Chilen, Miltonvale | A. H. Dripps, Haddam |
| H. L. Ficken, Bison | Mrs. John A. Simon & Sons, Maize |
| Locke Hershberger, Little River | Irl Ramage, Little River |
| Paul O. Hershberger, Hutchinson | C. E. Reed, Wichita |
| George and Grace Hetzel, Kinsley | J. C. Long, Haddam |
| Harry Pierce, Partridge | Gus Brandenburg, Riley |
| Parker Parish Estate and Shrader, Raymond, Kansas State College | |

FOR CATALOG ADDRESS

GEORGE HETZEL, Secretary, KINSLEY, KANSAS
Paul O. Hershberger, President H. L. Ficken, Vice President Fred Reppert, Auctioneer Jesse R. Johnson, Fieldman

Cattle Breeders Should Be Interested in BETTER HOGS

We recommend Reg. Hampshires and can supply breeding stock of quality and breeding. Pictured here is our new herd sire, Century Fashion R. B. 267985, from Earham Farms, Richmond, Indiana; sired by Century of Earham, Ohio and Indiana junior champ. The highest-selling boar of any breed in 1940; his dam is sired by Will Rogers, national grand champion in 1935.



Century Fashion R. B. has the short-legged, thick, soggy, plump-hammed, good feeding characteristics which recently made the Century Hi Rollers so popular.
Our fall gilts by Willis Standard will be mated to Century Fashion R. B. and Sunshine Samie, the junior champion at the Topeka Fair, 1940. He is extra thick and short-legged, the kind everybody is looking for. Spring litters by him had the highest percentage of belts we have ever produced. Bred gilts offered for sale later. Now offering choice fall boars. All hogs registered, immune, and guaranteed. For details write to or call

R. E. Bergsten & Sons, Randolph, Kansas

ANGUS CATTLE

Dalebanks Aberdeen Angus Farm
Choice young bulls, best of breeding and type, from a herd whose culs consistently top the best markets. E. L. Barrier, Eureka, Kan.

SPOTTED POLAND CHINA HOGS

Love's Reg. Spotted Polands
10 thrifty weaning pigs, champion breeding. Priced right.
HARRY LOVE, RAGO, KAN.

famous purebred Shorthorns at AUCTION



MILLHILLS SENATOR

29 LOTS
7 Bulls
22 Cows

Every one carefully selected from one of the most famous Shorthorn herds in America. Two greatest sires ever used in this herd now in service—Brown Dale Hero and Millhills Senator. See calves sired by Millhills Senator out of dams sired by Brown Dale Hero.

9:30 a. m., May 15, 1941

MERRYVALE FARM

Grandview, Missouri

FREE Beautiful Illustrated Sale Catalog now ready—Write Today for your copy to L. R. KELCE, 1012 Baltimore, Kansas City, Missouri

"THE WAVE OF THE FUTURE"

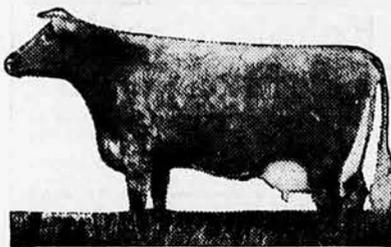
—will more than ever carry MILKING SHORTHORNS to Kansas farms. Diversified farming with Milking Shorthorns will guarantee a better way of life for the future.

Over 20 years of continuous Herd Improvement (D. H. I. A. Records).

HOLLANDALE HEADLIGHT now being mated to R. M. daughters of Alasa Roan Bird Bates.

Visitors always welcome.

H. H. COTTON
St. John (Stafford Co.), Kan.



Saline County Milking Shorthorns

Two Herds—Farms Adjoin

Bulls Used or Now in Service

- Retnuh Star Duke
- Hill Creek Gulman
- Fair Acres Judge
- Nauvoo Champion
- Brookside Mapperton 72nd
- Retnuh Hill Gulman

75 Females of Breeding Age

80% of them daughters or granddaughters of Hill Creek Gulman (first in class Kansas State Fair 1937) or Fair Acres Judge (grand champion Kansas State Fair 1938 and 1939).

Foundation cows of Brookside Clay, Otis Chieftain, Glenside Clay Duke, Lord Baltimore, etc. We maintain a good beef and milk balance as shown by D. H. I. A. records and cattle sold on the commercial market.

Young bulls and females always for sale. Visitors welcome, whether they are buyers or not.

A. N. JOHNSON, ASSARIA, KANSAS
M. H. PETERSON, ASSARIA, KANSAS

Retnuh Farms Milking Shorthorns

Our cows from proven cow families selected through hand milking over a period of 25 years. D. H. I. A. records kept for five years. 25 R. M. cows and their descendants. Records up to 450 fat.

Recent Sires

- Retnuh Roan Duke RM
- Retnuh Roan Duke 2nd RM
- Retnuh Clay Duke RM
- Retnuh Butterfly Clay RM
- Retnuh Defender RM
- Retnuh Supreme RM

Retnuh Hillcreek Gulman RM
Retnuh Stylis RM

Present Sires

- Fair Acres Judge
- Glendale Warrior Boy
- Retnuh Silver King

WHEN SELECTING BREEDING STOCK WE INVITE INSPECTION OF OUR HERDS
Joe Hunter, Geneseo, Kan. Hobart Hunter, Geneseo, Kan.

AYRSHIRE CATTLE

AYRSHIRE DAIRY CATTLE

Fastest Growing Dairy Breed
Write for literature or names of breeders with stock for sale.

AYRSHIRE BREEDERS' ASSOCIATION
260 Center St., Brandon, Vt.

DAIRY CATTLE

FANCY DAIRY HEIFERS

"FREE" Guernsey, Holstein, Jersey or Shorthorn bull with order of five \$12 heifers. Sent on approval.

SHAWNEE DAIRY CATTLE CO., Dallas, Tex.

first in his class last fall at Hutchinson. He is siring a great lot of calves, and together with Brookside Mapperton 72nd, will probably move the herds up several notches from the standpoint of both milk and type. The last-named bull is a son of Brookside Mapperton 22nd, which makes him a grandson of the imported bull Mapperton Price, also of Brookside Floss 2nd, with 15,119 pounds of milk and 562 lbs. fat. These herds are located near Assaria, in Saline county.

KAHOLA CREEK HEREFORD FARM is located in the valley thru which the creek runs after which this farm, devoted to the betterment of Herefords, is named. The proprietor, **JOHN B. PRITCHARD**, president of the Morris County Hereford Breeders' Association, is one of the progressive breeders in that county, famous for its many herds of registered Herefords. Mr. Pritchard has been an active Hereford breeder for 20 years. The ambition to see better Herefords on his own farm as well as on the farms and ranches of the locality has prompted him to devote considerable time to the affairs of the association of which he is president. The Pritchard herd is composed of intensely-bred Prince Dominos. Bulls of Domino breeding with the Domino type have been used in building the herd. Close weeding out has been adhered to, and the results show in the 40 breeding cows now being mated to Onward Blanchard, the present herd bull. Mr. Pritchard gets his mail at Dunlap.

One of the most interesting Polled Hereford breeders in the entire country is **J. B. "JOE" SHIELDS**, Lost Springs, Mo. Shields has been breeding Polled Herefords now for more than 45 years and perhaps is the oldest continuous breeder in the United States. He started his herd in 1896, buying a pair of cows of Lord Wilton breeding, one of them a sister to the noted bull Wild Tom. Soon after starting he purchased Polled bulls, and with 1 or 2 exceptions, has always used Polled bulls. Mr. Shields has been president of the National Polled Hereford Record Association and has a wide acquaintance. Now almost 80 years old, he is alert mentally and, it seems to me, but little changed from what he was 40 years ago. His son, Omer J., has a good herd on his own farm nearby; father and son use the same herd bulls and continue to supply old and new customers at prices within the reach of farmers, commercial growers and young breeders. Bulls and females have gone from this herd to many states. Many a Kansas farmer has better cattle because of the efforts of men like Mr. Shields.

JOHNSON BROTHERS, ARTHUR and ALBERT, of Delphos, are now in their 31st year as breeders of registered Shorthorn cattle. Every animal on the farm except the herd bull was bred by them. Two well-improved farms are used in breeding and developing the herds. About 60 females are now in the herd. The herd bull, Red Crown, a son of Sni-A-Bar Crown and out of Sni-A-Bar Emma 3rd, has been selected to follow the long line of capable sires that have preceded him, most of them from the Tomson Brothers and S. B. Amcoats herds. By the use of such sires a herd of exceptionally beefy, well-balanced cows have been produced. A dozen or so of the cows in the herd are daughters of a son of Divide Matchless. For general quality and uniformity their equal would be hard to find in any Kansas herd. Johnson Brothers usually sell their bulls when young; that is, the best ones. Others find ready sale to calf club boys who know where to look for the winners. Arthur Johnson is president of the North Central Kansas Shorthorn Breeders' Association.

MILLER AND MANNING, extensive and successful breeders of registered Hereford cattle, have proved many practices in their long years of experience in mating for the best results. On their ranch near Council Grove can be seen 5 or 6 herd bulls. All but possibly 2 of them were located and purchased from herds where their calves could be seen, and all possible defects noted. Next, or equal in importance with these careful breeders, is to see the dam of the herd bull and some of his sisters. In this way many of the curves in the breeding business can be avoided. To know what bull should be mated to a particular cow is, or should be, the business of the man who undertakes to improve any breed. Of course, it is not denied that many, and often serious, mistakes can be made, but by care many more undesirable points can be bred off the animals. Few breeders have given more intensive study to the business of proper mating than have Frank Manning and Dr. Miller. If I were founding a herd I would consider it a privilege, and time profitably spent, to visit this ranch often. It is located at Council Grove.

DWIGHT ALEXANDER, Geneseo, breeder of Polled Milking Shorthorn cattle, has just purchased from a prominent Indiana breeder, Maplewood Commander, probably the best young Polled Milking Shorthorn bull ever brought to Kansas. He is not only an outstanding individual, but few equal him in both production and showyard manners. He is close-up in breeding to the great cow, Neraclam Maid 7th, with a record of having produced in one year 18,052 pounds of milk and 719 pounds of butter-

GUERNSEY CATTLE

PUBLIC AUCTION

2000 profitable Guernseys to be sold in spring auction sales. Country's leading herds represented. Best bloodlines. Now's the time to get Guernseys.

FREE Guernsey Breeder's Journal containing complete information on sales. Also free beautiful full-color photograph (suitable for framing) with road map and guide to leading Guernsey herds. Send for them at once. Use coupon.

THE AMERICAN GUERNSEY CATTLE CLUB
62 Grove Street, Peterborough, N. H.

Please send me Guernsey Breeder's Journal, actual color photograph, and road map.

NAME _____
ADDRESS _____

SHORTHORN CATTLE

ROAN STARALL By Modern Star

—heads our Scotch topped Bates Shorthorns, 30 years of herd building. Special attention given to better udders and more milk. Cows in herd descended from such bulls as **GLOSTERS SON** (first at Kansas State Fair 1937). See our cattle in your neighbors' herds. Choice red and roan bulls for sale from 6 to 12 months old. Also heifers and cows. Herd established 30 years.

H. W. ESTES
Sitka (Clark Co.), Kan.

Twenty Years of Continuous Shorthorn Improvement

—by using 7 bulls all from one herd over a period of twenty years. Uniformity of Type, thickness, better legs, level udders and correct type heads. Best of SCOTCH breeding.

GOLD SPURS VICTOR (bred by Tomson Bros.) in service. 85 head in herd. Inspection invited.

BEN H. BIRD & SONS
Protection (Comanche Co.), Kan.

Ewert Offers High-Class Shorthorns

4 cows with calves at foot. 3 yearling heifers. Good type and bloodlines.

D. P. EWERT
Hillsboro (Marion Co.), Kan.

DOLES HORNED AND POLLED SHORTHORNS

Old established herds. Good bloodlines. Cows, bulls and heifers. Visit our herds. W. W. & A. J. DOLE, CANTON (McPherson Co.), KAN.

For Sale Registered Shorthorns

Cows, heifers and yearling bulls. Of the best breed type.
J. J. THORNE, KINSLEY, KAN.

POLLED SHORTHORN CATTLE

Show and Sale of Polled Shorthorns

State Fair Grounds
Des Moines, Iowa, May 21 & 22
Show, May 21 Sale, May 22
30 BULLS . . . 50 FEMALES

Highest quality Polled Shorthorns ever assembled. Absolute tops from world's most profitable hornless breed, personally selected by Association's representatives.

Write for Catalog and Information
American Polled Shorthorn Society • Dexter Park Ave., Chicago, Illinois

Banburys' Polled Shorthorns
HERD ESTABLISHED 1907
J. C. BANBURY & SONS
PLEVNA (Reno County) KANSAS

100 Head of Shorthorns in Two Days' Auction Sales

Sni-A-Bar Farms
Wednesday, May 14
At the Farms
Grain Valley, Mo.

15 Bulls 27 Females
JAMES NAPIER, Manager
Grain Valley, Mo.

Merryvale Farms
Thursday, May 15
9:30 a. m., at the Farm Near
Grandview, Mo.

8 Bulls 22 Females
CLINTON K. TOMSON, Manager
Shorthorn World, Aurora, Ill.

Miles-of-View-Roanridge
Thursday, May 15
1:00 p. m., at Miles-of-View Farms
Kenneth, Kan.

8 Bulls 22 Females
L. E. HAWKINS, Manager
1028 Baltimore, Kansas City, Mo.

Shorthorns of the best of breeding, quality and type will be offered to meet every need. Bulls to head purebred herds, others suitable for grade herds on small farms. Females, bred or open, some with calves at foot. A few show cattle, others as additions to established herds or as replacements in grade herds.

For catalog or information address manager of the sale in which you are interested.

Auctioneers: A. W. Thompson, J. E. Halsey

Bert Powell, Representing Kansas Farmer

MILKING SHORTHORN CATTLE

**BROOKSIDE
MAMPERTON 78th
follows
OTIS CHIEFTAIN
BREEDING**

His R. M. dam had 6,259 milk and 252.2 fat as a 2-year-old. Grandson of the imported bull Mamperton Pride (13 Register of Merit daughters). 10 nearest dams average 9,450 lbs. milk. He was grand champion Denver show 1932. He is to be mated with daughters of our 2,200-lb. bull that carries 60% Otis Chieftain blood. They are now on test and making satisfactory records. Young bulls for sale. See our Brookside bull at the fairs.

PAUL FARNEY
Abbeyville (Reno Co.), Kan.

**We Are Proud of
His Daughters**

Speaking of **DUALYN IMPERIAL** (of International fame) and his great mother (10,000 lbs. milk and grand champion San Francisco World's Fair).

We follow him with a son of the great **HOLLANDEAL PROVIDER**. Herd on D. H. I. A. test with cows almost certain of going as high as 10,000 milk and 460 fat. Daughters of Walgrove Lewis, etc. Heifers direct from Hollandale herd and others with the blood of Glenside Signet 4th and Otis Chieftain.

Young bulls and females for sale. Visit us.
JOE A. FOX
St. John (Stafford Co.), Kan.

**Defence Sure
Milking Shorthorns**

Cattle on four farms. Top bloodlines, milk records, grand champion breeding, with type to match. Bull calves for sale most of the time.

MAYVIEW FARMS
Breusing & Sons, Props.
Hudson, Kansas

**Barton County
Milking Shorthorn
Breeders' Assn.**

members are breeding Milking Shorthorns of real Dual Purpose bloodlines. Many of the most popular families. Sires of the strongest REGISTER OF MERIT ancestry, with deep fleshing qualities. Officers of association—President, Leo F. Breeden; Vice-president, Gary C. Brown; Secretary, H. D. Sharp; Treasurer, Clarence M. Clark; all of Great Bend, Kan.

Attend Our District Show at Great Bend, May 7

**SUNNYSLOPE
MILKING
SHORTHORNS**

Make farming more secure. The beef and milk combination wins, when other farm programs fail. 45 head in herd. **VILLAGE BATES** (grandson of Anderson Matchless Bates) in service. Choice young bulls from calves to serviceable age for sale. Also females. Visitors welcome.

A. E. EMRICK
Pritchett (Baca Co.), Colo.

**Bandmaster Baron Lad
Son of Walgrove Lewis**

heads our herd of Polled and Horned Milking Shorthorns. Otis Chieftain, Pencil Cardinal and General Clay breeding. Young bulls for sale, sired by above sire, out of cows on D. H. I. A. test. Inspection invited.

G. E. ROBERTS
Pratt, Kansas

fat. Close-up relatives are Clude Fancy Duke, Preshute Salt Pan, and other International grand champions. The calf is to follow Maplewood Standard, the senior sire which has given a lot of unusually choice heifers to Retnuh Polled Milking Shorthorn Farm. Both of the bulls came from the same Indiana herd, where every attention has been given to producing well-balanced animals from the standpoint of milk and beef, with showyard quality. Mr. Alexander has among his heifers some choice daughters of the great bull, Fairacres Judge. During the year bulls have gone to many parts of Kansas and other states from the Alexander herd. The herd is on D. H. I. A. test and making satisfactory records.

FRED R. COTTRELL continues to grow and supply registered Herefords from his Blue Valley ranch, to farmers and commercial cattle growers of Kansas. During the 50 years since founding the herd there has been little fluctuation in prices asked. Mr. Cottrell hasn't purchased a female probably in 40 years. His steadfast policy is to increase quality and herd uniformity by buying each time a better herd bull. He has done this without blare of trumpet, and recommends his cattle modestly. But to visit the herd, one can't help but realize the advancement that has been made in the direction of better cattle and more uniformity since the days when the bull, Governor, headed the herd. A great bull for his day, but lacking the compactness and short legs that now are so apparent in the almost 100 head of breeding cows. Rarely is a female offered for breeding purposes except a few sold each season in the annual sales to induce bull buyers to take more interest in the occasion. The big round barn, 100 feet across, stands as a monument to the independence of the man who planned its construction more than 30 years ago. Some thought it wouldn't stand even 10 years. The place will be of interest to our readers in need of bulls or knowledge of how to succeed in the Hereford business.

It always is a pleasure to visit **S. B. AMCOATS** and his sisters on their well-improved farm near Clay Center. I have known the family for more than 35 years, and Mr. Amcoats has been breeding Shorthorns all of this time. Hundreds of breeding animals have gone out over this and other states, and because of what he and other breeders have done, our state has a lot better cattle than we otherwise would have had. Many of the customers buy regularly just like they buy groceries. Ed Bayles was a buyer of Amcoats' bulls over a period of years, and after his death his son continued to buy. And now by counting up, it has been found that 15 bulls have been bought from the Amcoats herd by the Bayles family, near Garrison.

Buyers have been coming right along now. Recent sales have been made to Harry T. Forbes, of Topeka, who bought a bull ready for service, and a younger one; Mrs. N. M. Sperling, Hill City, a bull; William Henry, Lecompton, a heifer; another one to Earnest Bleem, of Clay county; J. F. Herman, Manhattan, a bull. The new Amcoats bull, Sni-A-Bar Mitmaster, is a grandson of Imp. Baronet. Probably 40 per cent of the Amcoats cow herd are daughters or granddaughters of the bull, Aristocrat, a son of Elynn Premier. The present calf crop is largely by the former herd bull, a son of Imp. Baronet. The calf crop of 20 looks very promising. No grain is being fed, just silage and alfalfa hay and the milk from heavy-milking mothers. The herd now numbers about 75.

Public Sales of Livestock

- Hereford Cattle**
May 31—Bone Stock Farms, Parker, S. D.
- Aberdeen Angus Cattle**
May 21—Mid-Kansas Aberdeen Angus Breeders' Association sale at Hutchinson. George Hetzel, Kinsley, secretary.
- Ayrshire Cattle**
May 28—Standard Ayrshire herd, Tulsa, Oklahoma. Sales Mgr., A. W. Petersen, Oconomowoc, Wis.
- Shorthorn Cattle**
May 14—Sni-A-Bar Farm, Grain Valley, Mo.
May 15—Merryvale Farm, Grandview, Mo. (Sale starts at 9:30 a. m.)
May 15—Miles-of-View and Roanridge, Kenneth, Kan. (Sale starts at 1:00 p. m.)
October 11—Bellows Brothers, Maryville, Mo.
- Polled Shorthorn Cattle**
May 22—National Polled Shorthorn Sale, Des Moines, Ia.
- Guernsey Cattle**
September 25—Southeast Kansas Guernsey Breeders' Association, Parsons. Lester Combs, Secretary, Parsons.
- Jersey Cattle**
October 6—Rotherwood Jersey Farm, Hutchinson, Mo.
- Holstein Cattle**
May 7—Clyde Shade, Ottawa, Kan.
May 22—Mrs. E. P. Miller Dispersal, Junction City. G. R. Appleman, Linn, manager.

MILKING SHORTHORN CATTLE

**Quality
Milking Shorthorns**

Herd headed by Chief Blackwood m1946-973, a dark red son of Campton Hills Chieftain and Lady Blackwood RM 10,372-396 lbs. and Grand Champion at Minnesota in 1940. Most of our breeding females are descended from Brookside Clay 5th RM and Retnuh Roan Duke RM and are backed by generations of Record of Merit breeding. A few bull calves for sale at this time.
H. A. Rohrer, Junction City, Kan.

POLLED MILKING SHORTHORNS

**RETNUH FARMS POLLED
MILKING SHORTHORNS**

One of two herds in Kansas where MX Polled Milking Shorthorns of R. M. breeding can be obtained. Senior sire, Maplewood Standard MX, son of Maywood Doris MX, 9,089 lbs. milk, 354 fat, first calf. Sire, senior grand champion Indiana State Fair. Junior sire, Maywood Commander MX, son of Maywood Pearl, 7,421 milk, 304 fat as 2-year-old. Sire, 1st prize bull, Indiana. Dam, 13,206 milk, 408 fat. Young MX bulls for sale.
DWIGHT ALEXANDER, GENESEO, KAN.



**North Central Kansas Shorthorn
Breeders' Association**

For Breeders of Registered and Commercial Shorthorns
Annual Fall Sales Membership \$1.00
Spring Show and Picnic, Glasco, Kan., June 10
Edw. Hedstrom, Sec.-Treas., Arthur Johnson, President,
Clay Center, Kan. Glasco, Kan.

**Correct Type
SHORTHORNS
continue with
Red Crown (1902253)**

Following—
**ROYAL MARSHALL
GLENBURN LANCASTER 2nd
VILLAGE MARSHALL and
MARSHALL CROWN**

We invite inspection of our cow herd—

**SECRETS
Orange Blossoms
Duchess of Gloster, etc.**

Over 30 years of effort. Every animal we now own bred by us except **RED CROWN**.

JOHNSON BROS.
Delphos (Ottawa Co.), Kan.

**A. L. CALDO
By
Divide Barrister**

follows **HIGHLAND MODEL** (1st in class Kansas Free Fair) and **MODEL ARCHER** (by Proud Archer) in building better Shorthorns. 80 head of females now in herd. Some females sired by Blumont Flash, famous as sire of 4-H Club calves. Herd foundation selected for individual merit with breeding to match. We topped the Central Kansas 1940 sale on bulls.

Young bulls and females for sale.
ALFRED TASKER & SON
Delphos (Ottawa Co.), Kan.

**Elm Lawn Farm
Shorthorns**

By using Markman Crown (2006286) by Proud Markman, on daughters of such sires as Ashbourne Cornerstone, Proud Nobleman and Ashbourne Wonder, we expect to continue to supply our customers with better breeding stock. We would sell a few females.

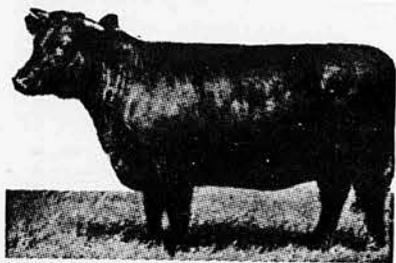
R. R. WALKER
Osborne, Kansas

LIVESTOCK ADVERTISING

—in Kansas Farmer is read by up-to-date breeders and those who contemplate going into the livestock business. Ask us for low prices.

**Missouri Supreme 1858050
by
Sni-A-Bar Dreadnaught**

has proven to be the last word as a sire in our herd. Low-set and good from end to end, he has given us the greatest lot of correct type bulls and heifers to be seen anywhere. They are from selected females of best Scotch breeding. Ten outstanding, (deep red) coming 2-year-old heifers for sale, and 10 bulls from 8 to 12 months old. Out of foundation cows. Some daughters of **ASHBOURNE BROWDALE**. Inspection invited.



KEMBURN FARM
Earle Clemmons, Waldo (Osborne County), Kansas

**"BEST FOR KANSAS FARMS"
MILKING SHORTHORNS**

From all sections will be presented in six District Shows at
Parker Farms, OLATHE...Monday, May 5
OSWEGOTuesday, May 6
GREAT BENDWednesday, May 7
WAKEENEYThursday, May 8
LYONSFriday, May 9
DELPHOSSaturday, May 10
We'll Be Seeing You Next Week!!
MILKING SHORTHORN SOCIETY, Hutchinson, Kan.

DUROC JERSEY HOGS

Outstanding Medium Type

Thoroughly maturing Durocs, sired by Golden Fancy. Fall boars and gilts. Weanlings later.
BEN HOOK & SONS, SILVER LAKE, KAN.

40 SHORT THICK DUROC BOARS
All sizes. Stout built, short-legged, easy-feeding type. Registered immune, shipped on approval. Photos, prices, on request. 35 years a breeder.
W. R. Huston, Americus, (In Eastern) Kansas

DUROC JERSEY HOGS

SHORT-LEGGED DUROC HOGS
Registered and immune fall Boars shipped on approval. Heavy-bodied, short-legged, dark red, quick-fattening kind. Photos furnished.
Clarence Miller, Alma, Kansas

FALL BOARS, BEST QUALITY AND BLOOD
Also yearling boar, Crimson Ideal 81795, a real herd boar. Finny weanling boars by Leaders Ace and Sunrise. Herd immune, registered.
G. M. Shepherd, Lyons, Kan.

**Cedar Lawn
Scotch
SHORTHORNS**

35 Years of Constructive Breeding and careful watching for defects has brought our herd to meet the test of continuous customers. Selling from year to year to the same farmers and breeders is the best evidence. Young bulls and females for sale.

SNI-A-BAR MINTMASTER (grandson of Imp. Baronet) in service. Few bred cows for sale. Inspection invited. Federal Abortion Certificate.

S. B. AMCOATS
Clay Center, Kan.

**Mitchell County
Registered
SHORTHORNS**

With and Without Horns

Herd Established 40 Years

BROWDALE CENTER (X 1955838) in service. Son of Browndale Magnet, a Scotch-bred bull. Dam a heavy-milking **POLLED COW**. 25 or more of our cows sired by the **MATHERS**-bred bull. **Officer of the Day**. Many choice heifers sired by a son of Matchless Crown. Young bulls and females for sale. 80 head in herd.

Booker & Petterson, Beloit, Kan.

Lacys' Shorthorns Lead

GLEN BURN DESTINY

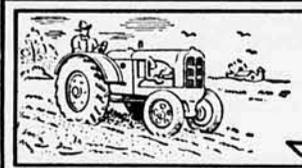
Follows

G. F. VICTORIOUS

in our breeding program for thicker and better Shorthorns. 60 **SCOTCH COWS**. Choice young bulls and females for sale. Inspection invited. Our bulls win and top good public sales.

E. C. LACY & SONS
Miltonvale, Kansas

LIBRARY
MAY 2 1941
STATE OF ARIZONA
MARSHALL
MAY 2 1941

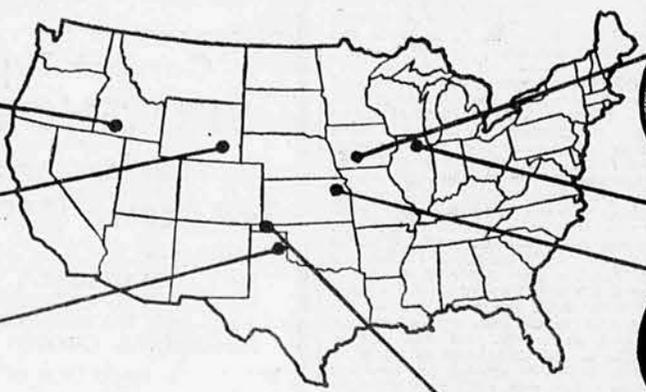


The Tank Truck



News from your Conoco Agent about Farm Fuels and Lubricants

FRANK ZACK of Buhl, Idaho, farms 400 acres. For 15 years, as he says, he's been "a 100% Conoco user and booster... Never had a lubrication failure while using Conoco... Saves about 15% over fuels and oils used in the past..."



RALPH DE CAMP who farms 280 acres near Adel, Iowa, has used Germ Processed oil "for the last six or seven years." When a factory representative found his year-old tractor "in the best condition" of any of their tractors in that territory, De Camp added, "I think that speaks for itself as far as Germ Processed oil is concerned."



LEE BLEVINS has a 4,000-acre farm near Guernsey, Wyo. He writes, "... used Conoco products for about 10 years... now burning Conoco 501 tractor fuel (in tractor) with smoother operation, more power, less crankcase dilution and greater economy."



MATT LEWIS of Shamrock, Texas, operates a car transport between Chicago and Amarillo, in every kind of weather. His GMC truck has completed over 300,800 miles, all of it on Germ Processed oil. "Truckers," he says, "must have a dependable motor oil for long and rugged service. Congratulations on Conoco."

W. A. GRAY cultivates 1,110 acres near Gray, Oklahoma. He's been a Conoco "hundred percenter" since 1929, and unhesitatingly recommends Conoco products to "those who wish to save money."



PRESTON BAILEY—Valley Falls, Kansas—farms 300 acres and teaches flying in his spare time. Read his reason for using only Conoco Bronz-z-z gasoline and Germ Processed oil in his planes: "... failure through either the fault of gasoline or motor oil, could mean curtains..."



JOHN DONNELLY of DeKalb, Ill., a trucker of livestock, writes: "I drove one truck 589,000 miles before selling it... never had any trouble or repair bills caused by oil." So you aren't surprised that Mr. Donnelly gives Conoco Germ Processed oil his highest recommendation.

Meet some "hundred percenters"

Farmers... truckers... even a private plane pilot...
tell you their reasons why...

Just read 'round that map above and chances are you'll come away with one fixed idea—you'll know why so many men figure that the big question is not *what* you do, but *how* you do it. Maybe you run a small farm, or a large one. Maybe you truck or do something else. But as long as engine performance and economy are important, you'll find plenty of good reasons for using Conoco Germ Processed oil.

Sure, and the reasons won't all be the same. That's only natural. You don't handle a tractor or a car exactly the way your neighbor does. And operating conditions in Idaho are apt to be a heap different from what you'll get down in the hot Dust Bowl country. Right, Mr. Zack? So we'd kind of like to boil those reasons down to this:

Conoco Germ Processed oil gives engines OIL-PLATING—a smooth, slippery surfacing of lubricant that doesn't all quickly drain down from inner engine parts. This OIL-PLATING is one of the best fighters against engine wear that's always wanting to loosen up the parts and make engines turn into "oil-eaters."

Now Frank Zack, Lee Blevins, Matt Lewis and others who've been using Conoco Germ Processed oil since way back, have had plenty of chance to

prove for themselves what OIL-PLATING is worth. Even so, you still have a right to say, "Well, maybe." But if you take their experience as a good neighborly tip, you'll start out today to prove it for yourself.

All you have to do is call your local Conoco Agent. He'll be "Johnny on the spot" with Conoco Germ Processed oil, in whatever quantity best suits your needs. He'll deliver barrels, 5-gallon buckets, or handy 5-quart and 1-quart dustproof cans of Germ Processed oil. While you're about it, ask him to bring along Conoco Bronz-z-z gasoline, tractor fuels and Conoco Specialized greases. He'll bring 'em right to your place.

While you're using Conoco Germ Processed oil, you'll want to check results, so here's something you should know about OIL-PLATING: First of all, OIL-PLATING is fastened all over the engine's insides by an extra man-made substance that comes in Germ Processed oil (at no extra cost to you). As a result, the working parts get a PLATING of lubricant—not just runny oil, but lubricant that closely attaches to the metal—magnet-like, you might say. And this glossy shield of protection can stay up on guard against wear—even all night...for as long as you use Germ Processed oil.

Lots of folks like to compare OIL-PLATING to the

chromium-plating on hub caps or bumpers. It's a good comparison, too, because just as you wouldn't expect chromium-plating to drain off, you don't always find OIL-PLATING all quickly draining back down to the crankcase.

OIL-PLATING goes up as high as the highest stroke of the topmost piston ring... to stay up close even when the engine stands. That's why OIL-PLATING can be on the job ready to smooth out the first starting stroke—ready to fight starting-wear, before mere oil circulation could fully get on the job. It's easy for you to figure that this kind of protection aids both gasoline and oil economy. And you're right—it does.

COMING NEXT MONTH

One of the most important announcements in Conoco history

Watch for it in *The Tank Truck*

If you operate automotive equipment, be sure to watch for the next issue of *The Tank Truck*. One of the most important announcements in Conoco history is coming.

The Grease Veteran Says:

"Funny thing, but most accidents occur in good weather on good roads, because that's when drivers get careless. Protect yourself and others by constant care.

"Never pass cars at intersections, or on curves and hills... Don't park on a hill or curve so that the other fellow has to pass without sufficient sight distance... After dark be sure that both head and tail lights are turned on... Use brakes before you get to a curve or intersection... And, by all means, keep your car in good running order."

The Grease Veteran is right. And Conoco can help you with just the right specialized lubricants.

FOR CHASSIS LUBRICATION there's Conoco Pressure lubricant, combining a high degree of oiliness with the adhesive and cohesive qualities needed to seal out abrasives and resist the washing action of road water.

FOR WHEEL BEARING LUBRICATION, which is one of the toughest jobs, get Conoco Racelube... won't whirl off the bearing races or throw into the brake bands or drums when properly packed... resists both heat and water.

FOR COMPRESSION CUPS—soft, pliable, "tacky" Conoco cup grease feeds just the right amount of lubricant. Six grades to cover automotive needs.

ALWAYS AT YOUR SERVICE

Your Conoco Agent

CONOCO MOTOR FUELS
CONOCO MOTOR OILS
CONOCO GREASES

THAT'S AN IDEA

Do you know some handier way of doing things around a farm? Write your ideas to *The Tank Truck*, care of this paper. We pay \$1.00 for each idea we publish, based on interest, neatness and date entry arrives.

Instead of cutting up the soap for your washing machine or boiler, rub it on the coarse part of your grater. Mrs. H. H. Hale, Box 296; Higgins, Texas.

Before you haul water in a barrel, put a board floating on the surface to help keep the water from splashing out. Mrs. B. Charlton, Omaha, Texas.