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MARCH 22, 1941

KANSAS FARMER

CONTINUING
MAIL & BREEZE



FOLKS ARE BUILDING

WHY WE DON'T OFFER A LOT OF MODELS

No
eeny, meeny
miney, mo..

When a man sets out to choose a tractor he shouldn't have to play eeny, meeny, miney, mo among models... weighing which will do this against which will do that... and ending in half-hearted compromise.

We build the Ford Tractor with Ferguson System, not to meet special conditions, but to master all conditions you have on your farm.

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This machine is built around a new and fundamental principle of applying power that makes it unnecessary to sacrifice one capability to get another. The Ford Tractor with Ferguson System combines utter flexibility for all crop requirements with brute strength for the toughest going.

And, it has the light weight, with consequent economy in operation, which you used to expect only in tractors built down to a price.

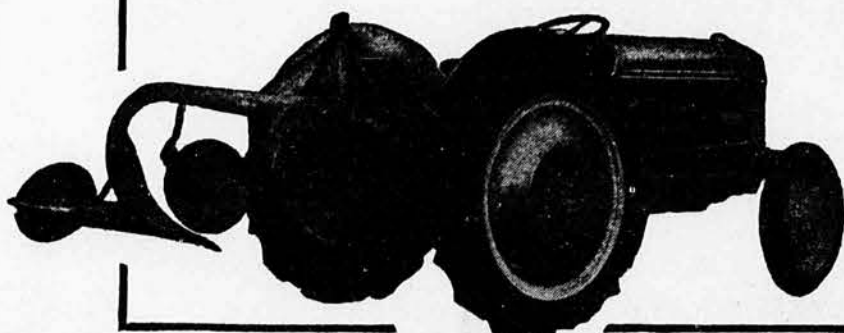
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stick

The Ferguson implements, which operate as a unit with the Ford Tractor through the exclusive Ferguson System, do your basic farming operations, your way, as you have never been able to do them before. And we mean by the complete measuring stick of speed, thoroughness, accuracy, and cost.

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The Ford Tractor with Ferguson System is sold nationally by the Ferguson-Sherman Manufacturing Corporation, Dearborn, Mich., and distributed through dealers in every part of the country.



GETS ALL YOUR WORK DONE ON TIME

More Livestock Is Keynote

By J. W. SCHEEL

A PREDICTION that the people of Southwestern Kansas will become more livestock-minded in the years just ahead and will soon regard sorghums, rather than wheat, as the king of crops, might be called the keynote of the annual Southwest Farm and Home Conference held recently in Dodge City.

The prediction was voiced by A. D. Weber, Kansas State College animal husbandman. The college authority said that livestock affords the only possibility for diversifying the agriculture of this region.

Problems of livestock feeding and human nutrition were emphasized thruout the 2-day sessions. L. M. Sloan, superintendent of the Garden City branch experimental station, stressed the importance of pasture in efficient livestock production, declaring that in most years it is entirely possible to provide some green pasture during 6 or more months.

"Many authorities agree that the man with a limited acreage of native grass should use it to supplement so-called temporary pasture crops rather than vice versa as is usually the custom," he commented.

Sloan stated that an acre of milo grain marketed thru lambs might well provide a gross return of more than \$26 after costs for necessary cottonseed meal and limestone supplements were deducted. If the land were used for production of ensilage which was marketed thru beef calves, the gross return after deducting the cost of necessary cottonseed meal could easily be as high as \$17. If the land were used for wheat production, yielding an average of 10 bushels an acre which was sold for the 1925-1934 average price of 82 cents a bushel, the gross return would be only \$8.20 an acre.

Importance of adequate quantities of proteins of the proper quality in both human and animal feeding was stressed by J. S. Hughes, Kansas State College bio-chemist. Doctor Hughes compared the amino acids, of which proteins are composed, to the letters of the alphabet, which can be used to spell many different words. In digestion, proteins are split up into their constituent amino acids, which are then reassembled to form the proteins needed in the body.

Since people and many animals are unable to synthesize or artificially manufacture some of the essential amino acids within their bodies, it is imperative that all these essential protein building blocks be contained in

the diet, Doctor Hughes pointed out. He warned that the percentage of protein contained in a feed is no guarantee of the quality of the protein or the amounts of various amino acids which it contains. Particular attention must be given the quality of protein in rations for chickens and hogs, he stated.

The so-called "wheat pasture disease" often noticed among cattle in Southwestern Kansas in the spring is the result of mineral unbalance resulting from livestock having access to a feed that is rich in potassium after having wintered on a ration low in calcium, the nutrition authority said. Feeding of a mineral supplement during the winter months should eliminate the trouble when cattle are turned on wheat pasture in the spring, he suggested.

Doctor Hughes also acquainted his audience with the mysteries of vitamins, which he defined as chemical compounds that are essential tools used by growing plant cells. They are found in abundance in young, vigorously-growing, green plants. Animals must obtain their vitamins by eating plants; and people must obtain them by eating plants or by eating meat, milk, or eggs from animals that have eaten an abundance of vitamins.

Diets of many people are deficient in one or more essential vitamins, the research specialist stated. The best way for a farm family to insure an adequate daily supply of vitamins is to grow a good garden.

Among the resolutions adopted by the conference delegates at the conclusion of their session was one recommending that wheat marketing quotas be approved by farmers voting in a referendum this spring, if one is held, to insure the availability of Commodity Credit Corporation loans on the 1941 wheat crop. This resolution was accompanied by a second one urging Congress to immediately enact legislation establishing the "certificate plan" for wheat, for the purpose of insuring the wheat producer a full parity return for that portion of his production which is consumed in this country.

Delegates also approved a resolution urging members of the grain trade to co-operate in and support the efforts of farmers to improve the condition of agriculture and related industries thru united national action.

It was decided to hold a similar meeting in 1942, with program arrangements to be handled by a committee consisting of one man and one woman from each of the 22 counties.

Pasture Entries Close Soon

ENTRIES in the Kansas Farmer Pasture Improvement Program and Contest close April 15, so don't fail to see your county agent for entry blank, or else fill out and mail in the coupon below, before that date. Besides \$200 in cash prizes, the contest offers opportunity for farmers and stockmen to exchange ideas and experiences in practical pasture management. All who enter will receive a spe-

cial pasture record blank for keeping an accurate record of their different pastures and pasture crops.

Contest is open to all Kansas farmers west of the east border of Republic, Cloud, Ottawa, Saline, McPherson, Harvey, Sedgwick and Sumner counties. You will find it worth while to take part in the 1941 Kansas Farmer Pasture Improvement Program for Western Kansas.

Pasture Program Manager
Kansas Farmer
Topeka, Kansas

Please send me rules and entry blanks for the Pasture Improvement Program being sponsored by Kansas Farmer, for farmers in Central and Western Kansas.

Name _____ Address _____

County _____ Date _____



BY
ROY FREELAND

25 YEARS LATER

PROGRESS is like a balky mule. Instead of moving along on its own initiative, it must be prodded forward by patient, persistent drivers. Such is the course of advancement in Kansas agriculture, so we owe tribute to individuals and groups who do the prodding.

This explains the respect with which many Kansans await the silver anniversary celebration of the Kansas Holstein Breeders' Association, to be held at Herington, April 3. While honoring this typical Kansas organization, the event reveals activities highly effective in prodding the forward motion of Kansas agriculture. At the same time, it uproots a wealth of colorful Kansas history which deals with an important branch of the state's 40 million dollar dairy industry.

When the Kansas Holstein breeders meet in Herington, April 3, they will gather as guests of Herington citizens and the Herington Chamber of Commerce. This repeats the plan of 25 years ago when about 40 breeders and others were guests of the same Chamber of Commerce at the meeting in which the State Holstein Association was organized.

Ringleaders in the movement were John W. Johnson, representing the Mail & Breeze (now Kansas Farmer), and Dr. W. H. Mott, Holstein enthusiast, of Herington. They had conceived the idea that since Holsteins were becoming popular in Kansas, a state association should be formed. Together the 2 men had suggested to the Herington merchants that it would be a nice gesture for them to invite all Holstein breeders of the state to come as guests of the Chamber of Commerce for a banquet and meeting at which a state association could be organized.

THE plan was approved. Invitations were sent out and response of the breeders was nearly 100 per cent. Dr. Schuyler Nichols, of Herington, was chosen as the first president. Ben Snyder, of Nortonville, was named as vice-president, and Doctor Mott was elected secretary-treasurer.

Other prominent men were on the first board of directors. One was Governor W. R. Stubbs, of Lawrence. Another was Ira Romig, nationally famous Holstein breeder, of Topeka, who held a big dispersion sale this month. Serving with them were Charles Stephenson, of Columbus; H. D. Burger, of Seneca; and J. T. Axtell, of Newton.

Now, 25 years later, several

charter members are still active leaders of Kansas agriculture. They look back, with satisfaction, on the quarter-century of progress, not only in their own group but in all Kansas agriculture as well.

Conferring in a Topeka hotel recently, while making plans for the Herington celebration, several veteran breeders reviewed events and circumstances of past days. It was explained that an important topic at that first meeting was the problem of trying to find some way to prevent the wholesale movement of T. B. cattle into Kansas from other states.

Now, reviewing this situation 25 years later, these men can take satisfaction in having witnessed the almost complete eradication of bovine tuberculosis in this country. He explained that the great eradication project was initiated 23 years ago, which was 2 years after the first meeting at Herington where cattlemen pondered this seemingly hopeless situation.

As explained by Mr. Miller, the project developed into

one of the most gigantic disease control programs ever undertaken in America. More than 232 million T. B. tests were made, averaging more than 10 million a year. Altogether, more than 4 million reactors were taken out of herds and were slaughtered. Total cost of eradicating the disease in this country has been close to 300 million dollars.

According to Mr. Miller, the federal-state tuberculosis eradication project became history about 4 months ago, when, on November 8, 1940, the last remaining counties in California were certified as modified tuberculosis free territory. Completion of the T. B. program, he says, does not mean that the disease has been entirely exterminated. However, it has been reduced to not more than 1/2 of 1 per cent. Considering that in the beginning, as many as 50 per cent of the cattle of some states were "reactors," this stands as a gigantic accomplishment.

IT IS just one of many great developments in the livestock industry that have come about during the 25-year period. Along with it are modern developments in handling of milk and milk products, new ideas in feeding, year-around pasture systems, grass silage, co-operative marketing, and ever so many others. Only one cow-testing association existed in the state 25 years ago, and proving of herd sires was not initiated until 1926.

Development of district dairy cattle shows and exhibiting of district herds at state fairs is a popular movement of recent years, led by Kansas State College dairymen and extension specialists. This plan makes a place for all dairymen, large or small, in [Continued on Page 20]

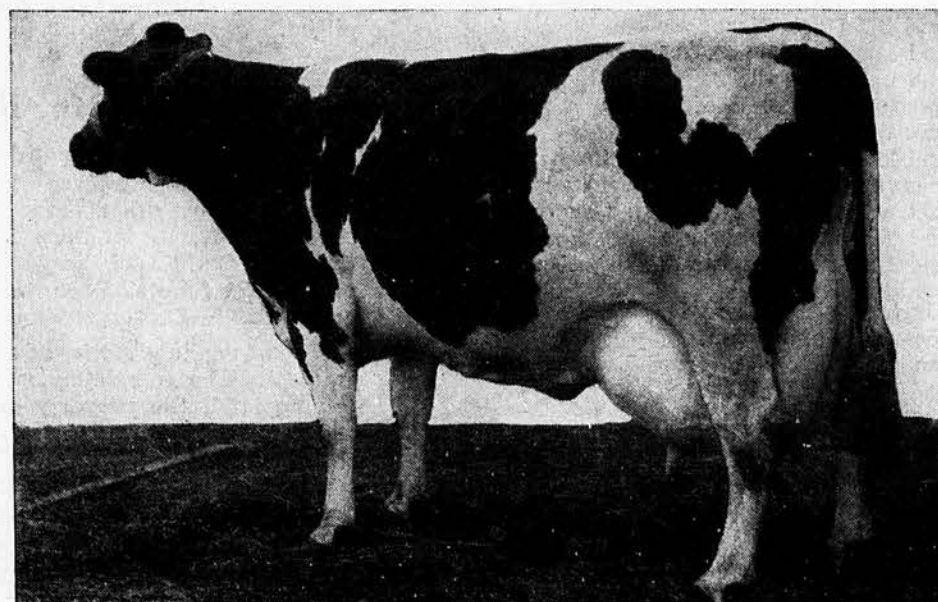


Still a Holstein booster after 25 years is Dr. W. H. Mott, who was elected secretary-treasurer of the state association at its organization meeting in 1916.



Kansas Holstein breeders, celebrating the silver anniversary of their state association, recall that Dr. Schuyler Nichols, of Herington, was first president of their organization.

A "Queen of the Twenties" was Geinsta Knoll De Kol, right, one of the first cows in Kansas to produce 1,000 pounds of butter a year.



Comment

A SUBSCRIBER writes: "There has been much said of the aggressors of Europe, but many have totally overlooked the aggressors at home. By this I mean the oil man, the big stock man, the machine dealer and the regular land hog who drives the little farmer off the family farm on relief and moves the buildings off, tears down the fences, plows the road ditches and the pastures.

"This has the approval of the government for they pay them big money to lay land idle so they can summer-fallow, rent more ground and put more poor men on relief.

"I have a plan that would really help the poor farmer. I would say let the head of every farm home buy a permit to sell wheat for domestic consumption at \$1 a bushel. Each tenant could sell, say, 1,000 bushels and a landowner 500 bushels in rent from each tenant who could produce 1,500 bushels of wheat. If a man owned his farm he would have a right to sell 1,500 bushels at \$1 a bushel, but no more.

"When he sold the wheat the farmer would fill out 2 forms to show he sold the wheat to an elevator. He would give the buyer one form and send the other to a central committee at the county seat or state capital. The elevator man would also send in his form so he could sell a like quantity at a pegged price that the miller would be compelled to pay.

"The miller would have to mill flour only from wheat at the pegged price for domestic consumption. Then if a farmer wished to raise 10,000 bushels of wheat, he would have to put 9,000 bushels on the world market for export only. The farmers could buy their permits to sell wheat at a price to offset the office work needed to oversee the deal, and nobody but a landowner or a farmer could obtain a permit.

"If a farmer only farmed 80 acres, this way he could sell all the wheat he could produce at \$1. If he farmed 160 acres he would be assured of \$1,000 a year income from his wheat and maybe some hog or chicken feed. If the farmer wanted to put 500 or 600 bushels of wheat in the bin as insurance for the year his wheat was a failure, that would be something he could bank on.

"With this plan it would not be telling a man how much wheat he could raise. It would be just as fair for one man as the other and would give the farmer a stable income. It would raise the standards of farming and would send landowners once again looking for tenants. It would open a market for farm machinery and would take many off relief. It would stop making the farmer a goat for the board of trade. The amount each farmer could sell at a pegged price

Nap Time

By ED BLAIR
Spring Hill, Kansas

Said Old Uncle Mose
As he sat by the fire,
And mused on the days gone by,
Some fellows when old
Just wish to retire!
And lose all their pep when they try—
So sit around home but eat heavy each day
Just, as if harvest time, was on the way
And it was their duty at home now to stay,
And I often have wondered just why.

I have noticed these fellows,
Yes—time and again,
Get heavy and heavier still,
And wondered if it
Was a weakness of men
Lacking "pep" and exertion and will—
Perhaps this is so and perhaps it is not
When "nap" time is near with a welcoming cot
No noise can disturb I am there on the dot,
And the honking of autos is nil.

By T. A. McNeal

could be regulated by our Federal government depending on our consumption. By the old method the little farmer must dump his wheat at harvest at what he can get, and get about \$10 to the \$100 of the land hog in the present allotment system.—A Subscriber, Wellington, Kan."

If I understand the plan proposed by this subscriber it is merely a modification of the old McNary-Haugen bill which placed a certain price on wheat to supply domestic consumption, and if the farmer raised a surplus he would have to sell that on the world market. That a strong argument can be made in favor of such a plan, there is no doubt. But I do not see any probability that such a plan will be again seriously considered. The farmer, who, under the present plan, not only gets paid for crops which he does not produce, but also has the right to use the land, which theoretically lies idle, in raising other kinds of crops, will not be easily persuaded that the proposed plan is as good as what he now has.

If Wife Consents

IT HAPPENS that A and B are man and wife. A has a son by a former wife. A wishes to will the son more than half his estate. Would B be obliged to take under the will?—Reader.

Unless the wife consents to the making of such a will on the part of her husband, it cannot be done. This is a statute which has been in force since Kansas was a state, that the husband cannot will away from his wife more than half of the estate unless she waives her rights as a wife, or unless there is some prenuptial agreement made between the two.

A Cumbersome Law

I TOOK up a stray, a 2-year-old steer, last fall. Have inquired all over for the owner and advertised it in the county paper 3 times in November. No one has claimed it. Please tell me how long I will have to keep it and what I will have to do before I can dispose of it.—Reader.

If this stray was appraised as required by our stray law, the only thing left for you is to pay into the county treasury one-half of the appraised value of the stray and then you become the owner of it. I think our stray law is unnecessarily cumbersome and ought to be simplified.

Petition for Road

WHAT is the law in regard to getting a road out of a 40-acre place which is completely surrounded by other landowners? Does the county pay for the land used for a road or does the individual? Who keeps up the road and puts up the fences? Does the road have to be on the line?—Subscriber.

Whenever the premises of any person in this state shall be completely surrounded by adjoining land, the property of other persons, and is without access to any public highway, such person may petition the board of county commissioners of the county in which such premises lie for a road, and one road only, thru some portion of the adjoining lands and the board on presentation of such petition shall proceed to lay out such road and allow dam-

ages if any should be allowed, provided said road shall not exceed 25 feet in width, and be laid out upon quarter or quarter section lines when practicable. And said road when so ordered by the board of county commissioners shall be platted and recorded in the office of the register of deeds and shall become a public way under the same restrictions as other roads: And provided further, that the

owner or owners, their grantees, successors or assigns of the land especially benefited by the establishment of such road shall forthwith pay all expense of establishing said road, including all damages if any shall be allowed, and thereafter maintain and keep the same in repair and without any expense or liability to the township or other municipality in which such road is laid out and established.

The Deed Is Good

A MAN owns several pieces of city property and a farm. He has had clear title to this property for years and the deeds were in his name. His wife passed away several years ago. Can this man, who has a sound mind, deed these properties to a son who has remained with his parents and cared for them and worked without compensation, without the consent of the other children? The other children have never helped the parents. The deed is recorded and was given to the son a number of years ago.—D. H. P.

If the title to this property was in this man's name when his wife died, she owning no interest in it, the property became his absolutely and he had a right to do with it as he pleased, deed it, sell it or otherwise dispose of it.

Court May Pick Administrator

IF THE parents die and leave no will but there are 4 grown children, is the oldest always the administrator? If he rejected the position, could they appoint someone else or would the next oldest be appointed?—Subscriber.

The law gives in the matter of appointment of an administrator of estates a preference first to the surviving husband or wife and second to the children, beginning with the oldest. If the court feels that none of these are competent to perform the duties of administrator, he might appoint another administrator who might not even be related to the family.

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Farm Matters



CONGRESS has passed H. R. 1776, the so-called lease-lend bill, and it now is the law of the land. I opposed the bill with all means in my power. I did not believe—and I do not now believe—it was necessary to give the all-out powers, both as to foreign relations and domestic affairs, contained in that measure to any one man and many people agree with me.

But the Congress decided otherwise. The vote was decisive. And it now is up to all Americans to obey the law. That is the rule of the majority on which our system of government is based.

Passage of the act was a great personal triumph for, and tribute to, the power President Franklin D. Roosevelt has over the Congress of the United States. No other President in our history ever has come so close to completely controlling, on all major matters, the Congress as President Roosevelt.

There is not any question as to the complete control over the government of the United States, over the people of the United States, and over business and industry of all kinds, contained in this measure. My prayer is that these powers may be exercised wisely, and in the public interest, by President Roosevelt. I feel that is the way he intends to use the immense power granted him; I pray to God that is the way the President does handle these powers.

As I see the act, it not only gives all-out powers to the President, but authorizes him, and in effect directs him, to use powers to give unlimited material aid to Britain. I do not expect to see any serious opposition to the program now that the program has become the law.

It is going to be a costly program. Before the bill was passed, the United States Congress had appropriated and authorized expenditures of some 28 billion dollars for national defense. The program previously approved in fact called for the expenditure of close to 50 billions of dollars for defense purposes in the coming 5 years.

Almost before the ink had dried on the pens with which H. R. 1776 was signed, the President

sent to Congress a request for an additional 7 billion dollars to carry out provisions of H. R. 1776—unlimited material aid to Britain and such other nations as the President believes we should support in the interest of our own national defense—which now seems to include international defense to the extent that the British Empire covers the world; and the British Empire extends over the seven seas and some five continents.

As I see it, the United States is committed to a program of national and international defense that is bound to call for many more tens of billions of dollars. There will be more billions for our own defense; more billions for the defense of Britain and many other nations. What you and I may have thought as to the wisdom and necessity of such a foreign policy is no longer the question. The program has been adopted—or rather, the authority to decide on and to effectuate such a program has been granted to President Roosevelt. It is up to us to make the program work, whatever it may be, and to pay for it afterwards, if we can.

I am still hoping against hope that the President's program does not include actual intervention in these foreign wars. The President says granting him these powers is our best hope of keeping war from the United States. Our future now is in his hands, and in the hands of those whose advice he takes in conducting this adventure into world power politics. For my own part, I am still opposed to sending our soldiers to fight a foreign war. That question is in the hands of the President and I hope he will keep our boys at home.

There are some indications that we are just at the beginning of a long, hard struggle. Talk in Washington is that the National Guardsmen

called into service for one year will be held beyond that period. I do not know whether that has been officially decided. I consider it quite probable. The same also likely will apply to the draftees already in service, and to be called in the future.

It looks to me as if farmers, particularly those engaged in producing basic crops—wheat, corn, cotton, tobacco—are going to become more and more dependent upon government aid in the coming few years. I am not overly hopeful of Britain taking much in the way of farm products from us; we are the arsenal of democracy, not the breadbasket of democracy, in this war. Britain having decided to starve out the Continent of Europe, American farmers cannot hope to dispose of surpluses to other European countries unless and until that starvation program is modified.

Government price fixing, as well as government control of acreage and marketing, may be coming down the road. If price fixing is necessary to preserve farm income, then the government will resort to price-fixing. In respect to farm income, I have a good deal of confidence in what the President will try to do. I will say this much for President Roosevelt, and I say it in all sincerity.

During his entire 8 years in the White House, President Roosevelt never has wavered in his efforts to bring better days to American agriculture. His programs to date have not restored parity income to agriculture. I doubt whether they can. But I do feel that if it is necessary to draw upon the Treasury in large amounts to supplement farm income, President Roosevelt will not hesitate to do so to the fullest extent.

No President ever has had either the power or the responsibility that have come to President Roosevelt. May he use the one and live up to the other, is my prayer.

Arthur Capper
Washington, D. C.

Alfred

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

I want to buy some springer stock cows and think they may be cheaper in a month or so. What is your idea? —G. G. B., Mo.

We expect slightly higher stocker prices during the next 20 to 50 days, with the possibility of some moderate seasonal drop by late May and June. Pasture conditions are expected to be excellent and there undoubtedly will be a strong demand for cattle to go on grass. Furthermore, supplies probably will be no larger, if as large, as they were last year, for the movement during the fall and winter months has been substantially larger than a year ago and there probably will be continued holding back of cows and heifers for herd-building purposes.

When will be the best time to sell hogs that are now weighing about

200 pounds? I also plan to sell a sow after she farrows in June. When should she be sold? —I. B., Mo.

It appears probable that hog prices will advance at least 10 to 15 per cent during the next 30 days. Slaughter is expected to be substantially less than in 1940 and hog prices are expected to show additional response to advancing consumer incomes. You probably will find the mid-summer period the most satisfactory time to sell your sow and litter. Prices of fat hogs are expected to reach their seasonal peak in late July or August, and considering the probable highly favorable relationship between the price of hogs and the price of feed, there will be an active demand for a sow and litter.

What will the price of young chickens be next summer and fall? —J. F., Crawford Co.

Prices of springs usually decline seasonally from spring to late fall. Prices at Kansas City last year ranged from

about 23 cents in May to about 14 cents in October. According to recent estimates, farmers intend to purchase about 9 per cent more chicks this year than in 1940. This would tend to increase marketings during late summer and fall. But, with stronger con-

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.....	\$11.65	\$12.50	\$10.85
Hogs	7.75	7.80	5.25
Lambs	11.25	10.85	11.25
Hens, 4 to 5 lbs...	.17	.15½	.14
Eggs, Firsts.....	.16½	.14½	.14½
Butterfat, No. 1...	.28	.26	.25
Wheat, No. 2, Hard	.84½	.78	1.04½
Corn, No. 2, Yellow	.61½	.61	.60½
Oats, No. 2, White	.37½	.35½	.43½
Barley, No. 2.....	.50	.48	.55
Alfalfa, No. 1.....	15.00	14.00	18.00
Prairie, No. 1.....	9.00	9.50	8.50

sumer demand, prices are not expected to be any lower and may be slightly higher than during the same period last year.

Should I sell wheat which is now under government loan? —R. T., Reno Co.

From the supply standpoint, lower wheat prices seem in prospect. There is considerable pressure for higher loan values and for government support for higher wheat prices. However, it does not seem probable that wheat prices will be supported at higher levels for the remainder of this season. If you expect to sell the wheat which is now under loan, the near future probably will be as good a time as any.

Thomas County High

Highest county in the state on percentage of completed projects in 4-H work for 1940 was Thomas county. The 4-H members of this county completed 97.6 per cent of the projects started.

GRASSHOPPERS: Insect pest surveys made in the summer and fall of 1940 indicate there are enough grasshopper eggs in the soil to hatch into a large crop of hoppers. The eggs have survived the winter in good condition and appear to be all right. Those brought into the laboratory in recent weeks are hatching; the rains, snow, and cold evidently did not injure them. There are numbers of grasshopper eggs in the wheat and barley stubble fields along the roads and fences in 60 Western Kansas counties. There are a few eggs in the alfalfa and Sweet clover fields in eastern counties.

Western Kansas will have to protect the wheat and corn with poison bait, and that bait should be applied early so as to catch the young hoppers before they scatter into the fields. It has been estimated that the 60 western counties may need to scatter 5,000 tons of mixed bait to protect the crops.

Many farmers can protect spring crops by paying attention to tillage and the kind of crops planted. Most of the Western Kansas folks have learned that grasshoppers do not like to feed on sorghums that have begun to grow. The hoppers will feed on the young plants; therefore, care must be taken to destroy the eggs or young hoppers before the stubble field is planted to a row crop.

CUTWORMS: Judging from the number of cutworms the women are finding in the gardens this week, the farmers might find plenty of them in the alfalfa and Sweet clover fields. The crows have been tearing up the trash in the alfalfa, and that is another sign of cutworms,

BUGS

FOR 1941

BY E. G. KELLY

Cutworms hide from light; therefore, one might not see them crawling about in the alfalfa fields. It will be a good plan to dig around some of the plants to see whether there are many of the cutworms. Look under trash in the Sweet clover field. If there are too many for safety, then apply poison mash the first afternoon that is warm enough to work without a coat. The temperature should be up around 50 to 60 degrees for best results of poison bait applications.

This will be a good year to watch the oats fields for cutworms. The late rains last fall caused many annual grasses to grow luxuriantly in cornfields. These grasses invited the cutworm moth to the fields for egg laying. There are enough cutworms in the corn stubble fields to do serious damage to the young oats.

The use of poison baits will be much better than waiting for the weather to take them out. The cold snows in late March will not injure the cutworms; it may delay them a few days but just as soon as the weather warms up they will be right at their feeding again.

GREEN BUGS: The "green bug" or oat aphid generally flies into Kansas from the South. They become established in the barley and oats fields in Northern Texas and then move northward with the advent of spring. They come across Oklahoma to Southern Kansas, arriving about the time oats and spring barley sprout. Many will recall the fields that turned red and brown in 1938; therefore, everyone along the southern border should be watching for this pest.

There were numbers of adults on volunteer oats last fall; the oats fields were planted to wheat and the bugs found plenty of feed convenient. The mild winter may have allowed the bugs to survive; time will soon tell, for if the bugs did survive there will be reddish spots near where the volunteer oats were plentiful in the fall. If the reddish plants are observed in March, they should be cleaned up before the pest scatters over the field.

One of the good ways to prevent damage by this pest is to plow under infested oats and barley just as soon as it is definitely known that the bugs are in the fields. Straw may be scattered and burned on the small spots and if done in time, the spot may be cleaned up.

CHINCH BUGS: The chinch bugs hunted out the heavy growth of Bluestem and other

Below, chinch bugs feast on a stalk of corn. In planning crops schedule one should remember chinch bugs do not bother legumes.



Eggs of these happy hoppers, above, have lived thru the winter. Below, if you have corn near wheat, prepare to spread creosote barriers.

clump-forming grasses last fall; therefore, they have had an excellent cover all winter. The early snow protected the bugs from the early freezes, and the snows came too early for farmers to get organized to burn the grasses. An examination of the clumps of grasses growing along the fences and roads near late corn and cane indicates that the bugs lived thru the winter in good condition. Folks in Eastern Kansas should examine clumps of Bluestem that grow in bunches along the fences and turn rows; they would be interested in what they find. The bugs are there in large numbers. In fact, every farmer living east of highway 81, including the western boundary of Reno and Harper counties, should examine the grasses carefully to see how many bugs are spending the winter in his grasses. The bugs will be moving out of the grasses by now or by April 1, so look soon to find them.

The chinch bugs will fly from winter quarters to wheat, barley and rye; they will select the thin wheat where there is plenty of sunshine. They will also select old straw piles and fields upon which straw has been scattered for manure. When the bugs arrive in the wheat and barley fields there is little a person can do to get rid of them.

However, be careful with regard to the kind of crops planted in adjoining fields. No one should plant corn in a field adjoining wheat that is heavily infested with chinch bugs. Fields for corn should be distant from the barley and wheat.

There is a new point coming into the picture this year about chinch bugs. In the pastures where "little barley" and "wild oats" grow in a volunteer manner, the chinch bugs will find a food which they like very much. The bugs will move from winter quarters to these volunteer grasses where they will readily become established for feeding and laying eggs. Since these grasses are generally at the edges of the pastures, be careful about planting corn next to the pastures.

In the farm planning it may be difficult to have the corn and sorghums distant from the wheat and barley; in that case prepare to build a creosote barrier. There were 2,500 miles of barriers built in 1940 and it is estimated that more than that will be needed in 1941. The creosote will be needed and every farmer should arrange to have materials on hand. A barrier built ahead of the time it is needed will be worth many built after the bugs get into the corn.

Farm planning should include legumes where it will pay and one should remember that the chinch bugs do not feed upon the legumes. A small field planted to soybeans, cowpeas, or other quick-growing legumes may make feed and pasture for the livestock where cane and Sudan grass will only make feed for the bugs.

CANKER WORM MOTH: There were canker worms in all of Eastern Kansas last year. Many of the shade trees in the cities and the trees along the creek banks were defoliated and seriously damaged. The canker worm is often called a measuring worm, on account of the way it walks.

The moth that lays the eggs which hatch into these measuring worms is wingless. This moth must crawl up the tree trunks to get to the limbs where she wants to lay her eggs. The sticky bands are placed around the tree trunk to catch the crawling moth. The bands that were placed on the trees in early January caught numerous moths; those that were put on in February probably missed many of the moths that came out early. The bands will catch moths until May if they are kept in good condition.

If the trees are not banded and the moths are permitted to get to the trees to lay their eggs, then there will be plenty of measuring worms in May. When the worms begin to cut holes in the leaves the trees should be sprayed with arsenate of lead. The arsenate of lead mixture should be 1½ pounds in 50 gallons of water and applied

thoroly. Every leaf on the tree should be covered with the spray liquid. Some of the trees will be tall and will require special apparatus for spraying.

COLORADO POTATO BUG: The common old yellow and black-striped potato bugs have been neglected the last few years; therefore, they are becoming too numerous. There were many potato fields and especially farm potato patches that were worthless last year because the growers did not dust or spray the potatoes with one of the insecticides used to keep these bugs from eating the vines. The potato plants cannot produce potatoes if the leaves are eaten; therefore, the farmers who want potatoes must keep the bugs from eating the leaves.

The best materials to use for the control of the potato bugs are the arsenicals, such as arsenate of lead and arsenate of lime. These materials may be applied with a dusting machine or a sprayer.

CATTLE GRUBS: The Derris wash proved its value this winter. Many applied the wash in late December and early January and were well satisfied with the results. The wash was made by mixing 2 ounces of a neutral soap in 1 gallon of water, then adding 12 ounces of the Derris powder to the wa-

ter. The Derris must have a 5 per cent rotenone content to be effective. The farmers applied this wash with a stiff cocoa fiber brush, using about one-half pint to the cow. In about 3 or 4 days after the treatment the grubs died and pushed themselves out. This mixture applied behind the ears and other parts of the body of the animal infested with lice surely cleaned the lice. Some said the lice lasted only one day after the treatment. It is too late now to treat the cattle for grubs, but this is the remedy and everyone should be ready to make applications during Christmas week in 1941.

SCREWWORM: The screwworms get their start each year in Southern Texas; that is where they should be treated and not allowed to come to Kansas. Yet they do come here.

The infested cattle leave the ranches, are moved northward in the spring and finally reach Kansas pastures. The infested cattle reach Kansas pastures any time between March and July, but most of them seem to get here in the big shipments to our Kansas grass in May.

Cattle coming from Texas and New Mexico should be carefully examined for wounds and every wound treated for screwworms. The bedding and manures in the cattle cars coming to Kan-

sas should be burned at the point of unloading, so as to burn the living pupae and larvae. There will be no adult flies in the cars, or it is not likely that one would arrive in the cattle car. If the infested wounds were treated at loading points in Texas and again at the unloading points in Kansas, there would be few of the worms to combat later.

There were many localities in Kansas that had to combat these flies and their maggots in 1940. There were many in the counties near Kansas City, Wichita, El Dorado, Yates Center, and out southwest in Meade, Barber and Comanche counties.

(Continued on Page 19)

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Both Sides of Wheat Debate

In Two Letters to the Editor

EDITOR: Please use this in your next issue. It is of vital interest to Kansas that this state live up to the reputation of "growing the best wheat in the world." This explains a bill in the state legislature which proposes registration of Kansas wheat varieties, along with provisions for controlling the introduction of new varieties.

According to milling experts, infiltration of inferior wheat varieties is hurting the price of all Kansas wheat, because it is dampening the enthusiasm of Eastern Bakers for flour made from Kansas wheat. It is also spoiling the reputation of Kansas wheat with Eastern milling concerns. These millers have looked to Kansas for high-quality, hard red winter wheat for use in their mixes.

So, with higher percentages of poor milling varieties in Kansas wheat, many millers and bakers are said to have turned to other areas for their high-quality wheats and flours. Each lost customer has an added depressing effect on the price of Kansas wheats.

The situation may be improved by holding the production to fewer varieties, requiring proper testing before any new variety can be approved and registered. This would prevent the sudden spread of a variety that might bring more disfavor upon Kansas wheat.

The proposed bill provides that seed wheat shall not be advertised, offered, or sold, for the purpose of planting under any variety name that is not included in a list of established variety names accepted for registration. Before new varieties of wheat can be registered, they must be submitted to an official propagation test. The act would be enforced by the Kansas State Board of Agriculture.

Registration of a variety would be subject to cancellation or change of name when sufficient evidence is submitted at a public hearing to show that it is in the public interest to make such cancellation or change. To make the measure effective, those convicted of violating it would be subject to a fine of from \$50 to \$500, or imprisonment for a term of 12 months or less, or both a fine and imprisonment.

Have Same Interests

By encouraging production of wheats with high milling qualities only, millers and milling organizations realize they discourage growing of some wheats that are attractive from the farmers' point of view. They point out, however, that the millers' interests and the farmers' interests are closely interwoven.

Some of the hard red winter wheats, now on the "black list" of Kansas millers, are the result of crossing soft red winter and hard red winter varieties. Chiefkan, for instance, is the product of such a cross. First, Blackhull was crossed with Harvest Queen. One of the strains from this cross was then crossed with Superhard Blackhull to give Chiefkan. It is hardy, it yields well, it has a high test weight, and a beautiful dark, hard berry. Chiefkan has a high protein content, and it mills nicely.

But, in spite of the fact it inherits the extreme hardness of the hard-wheat parent, flour from Chiefkan carries some characteristics of the soft-wheat parent, and these are the factors that make it so notoriously unpopular for bakers' use. It has a short-mixing tolerance, which makes it undesirable for use with modern, high-speed mixers. In addition, the millers say, it has relatively low water-absorbing powers, another point of concern to hard-wheat millers. Chemists and milling experts are learning how to tell the good wheats from the bad ones. It is to the interests of Kansas farmers to follow their findings for the betterment of Kansas wheat. —F. G. B.

TO THE EDITOR: I ask you to bring this to the attention of wheat growers in a fair-minded way. A bill before the present session of the Kansas legislature proposes to register and limit the wheat varieties of this state. There is room for improvement in the general quality of wheat. But this proposed legislation appears to be designed for the benefit of the milling industry, at the expense of Kansas farmers who produce and sell wheat.

For years and years, the millers have bought our wheat according to test weight, reducing prices for each reduction in test weight. Now they tell us that test weight has no influence on the quality, amount or value of flour obtained from a bushel of wheat. In fact, they even claim higher milling qualities and higher flour yields for some varieties, which consistently have relatively low test weights.

Without correcting this serious injustice, they now ask all Kansas farmers to raise wheat of these varieties—wheat which is of more value to them, altho they may penalize the farmer as much as 3 or 4 cents a bushel for raising it, instead of varieties which are classed as inferior and dangerous.

Highest Yields in Disfavor

For instance, a variety in strong disfavor with Kansas millers is Chiefkan. Yet, according to the present system of buying grain, it is unquestionably one of the most profitable varieties a farmer can produce. In 5 years of testing at Kansas State College, this variety had an average test weight of 59.9 pounds, compared with 56.6 for Turkey Red and 57.5 pounds for Tenmarq, 2 varieties in high favor with the millers. Chiefkan, in the same tests, was also the highest yielder among hard red winter wheats now generally produced in Kansas. It produced an average of 33.7 bushels, to rank above Tenmarq, Turkey, Blackhull and Kanred.

I do not think any Kansas farmer would intentionally uphold an inferior milling variety that threatens the reputation of Kansas wheats. But we do not like the general idea of legislation which might prevent the raising and distributing of wheats which are not only superior in yield, but also superior in qualities which determine the price a farmer receives for his crop.

In other words, this legislation seems badly misguided. Instead of legislating the farmer into production of less profitable wheats, it would seem more logical for the wheat millers to put their attention toward establishing grades and buying systems that do not penalize farmers for growing the favored varieties.

Another reason why farmers are reluctant to have their wheat growing dominated by state law, is the apparent confusion and lack of consistent action by those who approve varieties of wheat for Kansas. Because of their alleged poor milling qualities, some of the high-yielding and high-testing wheats are not approved by Kansas State College, and the Kansas Wheat Improvement Association, an organization of Kansas millers. At the same time, another variety, which is recognized as a serious trouble-maker in the milling industry, still carries approval of the College and the organization of millers. This is Kavvale, a semi-hard variety which, along with Tenmarq, was developed by the present secretary of the Kansas Wheat Improvement Association, while in the employ of Kansas State College.

Farmers are just as eager as anyone else to boost the quality and reputation of Kansas wheat. But Kansas wheat producers cannot be expected to support programs and proposals which would plunge their business into a controlled industry. —W. K. R.

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Sturdy
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"A MILLION TREES FOR KANSAS"

By CECIL BARGER

SINCE the days of our forefathers we have been careless in tree planting. Plagues of drouth, insects, disease, and freezing have taken their toll. Today there are shockingly few trees in the state—and at a time when wind control is more important than ever.

Trees help Kansas in putting brakes, not only on the wind, but on soil erosion. Trees have more than an esthetic value; they are valuable for lumber, food, and posts, for fruit and nuts. Trees will enhance the value of our property, the beauty of our landscape, the conservation of our resources.

Arbor Day in Kansas will be observed on March 28. On that day everybody in Kansas is urged to plant at least 1 tree. Schools are urged to set out several on their grounds, and farmers are urged to plant them about their farmsteads, in addition to well-planned shelterbelts.

Payne Ratner, governor of Kansas, has this to say on the planting of trees: "The preservation of trees, and the replacement of those lost through drouth and other causes, should be a foremost concern of every citizen interested in the welfare of his community and of our state. . . . We have been left a legacy of trees, which we must conserve and perpetuate for future generations."

The U. S. Forest Service, thru its state director, T. Russell Reitz, is fostering tree planting on a large scale. An army of about 1,000 tree planters is going out to plant trees in farm shelterbelts on every warm day this spring.

Every planter is trained individually to do the planting job. Usually, a planter is assigned to each row in a shelterbelt, altho there are exceptions, Mr. Reitz says. In previous years the planters have been able to plant an average of more than 1 tree a minute to the man.

Farmers are called on to do their part of the job before the planting



Delva Jean Logue, Pratt, was born the same month the trees were planted on her father's farm in 1935. Both grew well.

crew comes with the trees. The soil must be prepared properly before the trees are set, and this usually means that plowing is necessary. On almost every farm a special subsoiling tool is used by the farmer to mark the rows and loosen the soil, so that the man with the shovel can make a hole quickly and properly do the planting job.

Shelterbelts average about 8 rows of trees in each planting. Farmers are given their choice of number of rows, with 5 as the minimum and 10 as the maximum.

Joining in the program to revive interest in tree planting is the Kansas Junior Chamber of Commerce. This year they have set out on a program with "A Million Trees for Kansas" as their slogan. They are co-operating with the Kansas Association of Nurserymen and the Forestry Service.

(Continued on Page 16)

Lloyd Jacques, Hutchinson, cultivates 1-year-old shelterbelt. Below is a good crop of wheat and a good shelterbelt side by side on his farm.



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Some Foods in Lend Bill

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—Of immediate interest to farmers, in connection with the passage of H. R. 1776, the so-called Lend-Lease bill, also called the Billions for Britain bill, is the fact that some food supplies for England are to be included in shipments to the British Isles by the United States Government.

The Administration refused to accept amendments by Representative Clifford Hope in the House, Senator Capper and others in the Senate, to require that in return for the billions of dollars of aid and dollar exchange to be given Britain by Uncle Sam, England be required to take her normal consumption of agricultural commodities from the United States.

However, as a concession to agriculture, Floor-Leader Barkley, of Kentucky, in the Senate inserted language specifically including agricultural commodities in the definition of defense articles. So there can be no doubt that the President, under his broad powers granted by the act, can include shipments of foodstuffs and other farm

products to the English if they want them. The chances are Britain will want some farm products from the United States, under the act, as they will not be required to pay for them, except at the discretion and in amounts to be determined by the President.

It is not considered likely that wheat or flour will be required from the United States for the United Kingdom, as there is a surplus of wheat in Canada, and also England wants to continue to take as much as possible of farm products from Argentina, in order not to lose its considerable foreign trade with the South American country. The British, very wisely, are sacrificing as little as possible of their foreign trade with neutral countries. They know that when this war is over, any trade with South America shifted to the United States is likely to stay with the United States—and England lives on foreign trade, in large part.

However, in the early consignment of goods to Britain, made immediately upon passage of H. R. 1776, there were included some foodstuffs, including

dried milk, some fruits, and some pork. The details have not been made public as this is written. In official circles here it is talked that later in the year more pork, perhaps some corn, as well as milk products and evaporated fruits, will go to England, perhaps in considerable quantities.

The Churchill government again has rejected the suggestion of Herbert Hoover that foodstuffs for the starving men, women and children of France be allowed to go thru the blockade, from the United States. The British program is to starve out that part of the continent controlled by Germany, as well as the Germans themselves. Even William C. Bullitt, former Ambassador of France, and one of the most determined fighters in America for an all-out British victory over Hitler, has joined in the demand that American foodstuffs be allowed to go to the French, but so far the Roosevelt Administration has followed the starvation program of Britain.

Government experts expect "some strength" in farm commodity markets thruout the year, based on stronger domestic demand plus possible exports to England later. Prospects for better prices for basic crops—wheat, cotton, corn, tobacco, rice—are not included in the "strong" markets for commodities on a domestic basis, however.

Instead, there is a strong and growing feeling that drastic controls, both production and marketing, will have to be imposed on wheat, corn, cotton, particularly. The wheat marketing quotas referendum has been set for May 31. Marketing quotas for corn will not come up until late summer or fall, as the corn marketing year starts on November 1, where the wheat marketing year starts July 1.

Ask 50-Cent Wheat Penalty

Also there are bills in congress, with Administration support, to increase the quota penalties on wheat from 15 cents a bushel to 50 cents a bushel, and on corn from 15 cents to 40 cents. Marketing quotas cannot be imposed except by two-thirds majority vote of growers of each crop—but if a referendum vote is held on any basic commodity, and quotas are voted down, then the commodity loans are out for that marketing year.

An attempt was made in the House, on the Agriculture Supply Bill—carrying one billion dollars in direct appropriations, and loan and contract provisions for another 400 million dollars—to hike the wheat loans from 52 per cent of parity price to 85 per cent of parity, but the amendment was voted down decisively. Neither the Senate nor the House Committee on Agriculture has reported on bills providing for 100 per cent mandatory loans on wheat, cotton and corn.

As the supply bill went to the Senate for action, not due for a week or maybe a month yet, the big appropriation bill carries 500 million dollars for conservation payments, plus altogether 212 million dollars for parity payments, substantially the same as for the present year. What will be done about commodity loans to hold up market prices on basic commodities remains to be seen. However, it is regarded as certain that the Administration will make certain that national farm income for this year will exceed that of 1940, probably by close to 1 billion dollars. That means national farm income will be in excess of 10 billion dollars—but what farmers have to pay for things they buy will go up from 1,500 million dollars to 2,500 million dollars, it is estimated.

Argentine Beef Question Up

The Argentine beef camel is getting its nose under the American tent, in the name of national defense. The American Livestock Association has consented, at the request of the Administration, not to oppose purchase of Argentine canned beef in larger quantities for the United States Army and Navy. No arrangements have been made for the importation of Argentine fresh beef, nor Argentine cattle. However, and F. E. Mollin, secretary of the American Livestock Association, in a formal statement assures that this is not contemplated. However, business "information" services out of Washington predict a drive later to lower the bars against Argentine beef imports.

Secretary Mollin, following a conference with the national defense officials and Col. Paul Logan, of the quartermaster corps of the Army, announced "approval of limited importation of South American canned meat to supply immediate needs of the army."

"But such purchases," Secretary Mollin added, "were not to exceed 20 million pounds for the fiscal year 1941," which ends next June. In return Mollin was assured that army purchases of United States produced meats will be greatly increased in coming months.

"In the discussion relative to the program," Secretary Mollin's statement says, "It was brought out that the meat ration of the American soldier is substantially above the per capita meat consumption of the country as a whole."

"The most encouraging note in the (Continued on Page 16).

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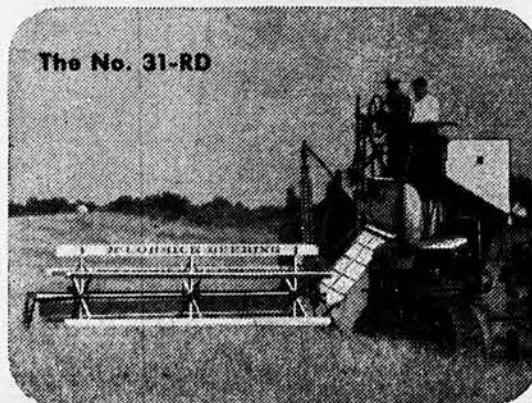
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What to Do About Fruit Trees

By WILLIAM G. AMSTEIN
Kansas State College

Fruit growers have had plenty of ups-and-downs in the last 10 years. Included were drouth, flatheaded borers, grasshoppers, red spiders, hail storms, record high summer temperatures, low winter temperatures, cankerworms, high winds that wrecked the crop at harvest time in 1939, loss of export markets, and the record low "freeze" of last November. However, fruit tree plantings made on carefully selected sites, and given proper attention, appear among the most promising items in the entire farm picture.

There is a great difference in the temperatures that various species and varieties will withstand; also in that which different tissues of the same plant will withstand. The brown, water-soaked condition is typical after the woody tissue has been thawed several days, but the extent of the killing may not be accurately determined with the unaided eye. Some of the injured area may clear up.

Of the woody tissue often injured, the pitch is most likely to be killed. However, except to destroy storage materials, no permanent injury is developed.

A general summary of the freeze injury indicates a wide variation between varieties, ages of trees, location, system of management and presence or lack of crop in 1940.

Trees 3 to 12 years old appear to show more injury than younger or older trees.

The north side of the trunk and the areas on the branches near the main

severe trunk injury. The fruit buds are not badly damaged. A few orchards of these fruits may survive in the south end of the counties bordering Oklahoma.

The Hanson hybrid type plums developed in the Dakotas show a remarkable freedom from injury. In fact, little damage has been observed or reported on this group. Pear trees show severe bark and bud injury in nearly all varieties.

Suggested Treatment Program:

1. Do not prune any fruit trees this spring, even to the extent of taking out water sprouts or injured branches. Similar experiences have shown the desirability of omitting pruning following freeze injury. Some trees are so badly injured that pruning would be a waste of time. Furthermore, injured trees will need all possible foliage area if they make satisfactory recovery.

2. In ordering nursery stock, purchase from those on whom you have come to rely. Kansas nurserymen will have available uninjured nursery stock, altho it may have been grown outside of the Missouri River Valley area.

3. Some salvage may be obtained on young apple, peach, and sour cherry trees, altho they appear badly damaged. Let them bud out where they will and later cut them off down to this point. Be careful to have this point high enough, if possible, to come above the bud or graft to avoid salvaging some worthless seedlings.

4. If interested in planting apple trees, the use of hardy, intermediate stocks that possess low and high temperature resistance as well as drouth ability is extremely desirable in all future undertakings. Work conducted or observed at the Iowa State College and reported recently indicates that all apple trees should have as an intermediate stock either Hibernial or Virginia Crab that is grafted on the French Crab seedling. The hardy stock is then transplanted and in the orchard it is limb-budded in the first or second year to the desired fruiting variety. Thus, the hardy stocks are handled as any standard variety. The long scion short piece roof-grafts have been found resistant and the tree as it is finally worked to desired varieties will withstand many degrees of temperature variation. In addition, these trees are more productive, longer lived, better able to support crops, and in many ways should prove more profitable. Varieties react differently on these 2 hardy stocks. Inquiry should be made regarding this question.

The question of varieties to plant is one that always "draws fire" and is too important to be answered in a brief statement for all sections. Certain exceptions may deserve careful consideration.

For commercial plantings the following apple varieties appear logical: Yellow Transparent, Duchess, Cooper—in Southern Kansas; Wealthy, Grimes Golden, Delicious, Jonathan, Golden Delicious, Winesap, Ben Davis, York and Rome. In all cases the red bud sports should be used where available. Not all of the above varieties are needed in a single orchard. Proper precautions to obtain adequate cross-pollination should be observed.

For home apple plantings only the early apples appear generally desirable. The extended spray program encountered on late-maturing varieties renders them impractical. Only a few

(Continued on Page 14)



William G. Amstein and Frank Lehman, Wathena apple grower, discuss last year's crop. The November freeze may have destroyed only the 1941 crop, but it could have severely damaged the trees as well.

trunk are showing more injury than the medium-size branches.

The fruit spurs look badly damaged on the apple, while the peach and sour cherry fruit buds are not always injured.

Summer apple varieties, including Yellow Transparent, Duchess, and Wealthy, show less tree and bud injury than any other apple varieties I have commonly examined. However, they do not represent any large percentage of the total number of apple trees.

Main winter varieties, including Jonathan, Grimes, Delicious, Golden Delicious, Winesap, Ben Davis, Black Twig, York and Rome, show varying amounts of wood and bud injury. Some, such as York, are severely injured. The better-cared-for orchards, or those that produced a crop in 1940, often show the most injury.

Sour cherry and peach plantings of all ages in all sections of Kansas show

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Quality seed farming involves an enormous amount of detail work and painstaking cultivation. These demands call for good trucks, tractors,

stationary motors, and threshing equipment—all of which must be well cared for. Having a sizable fortune invested in machinery, the Robson Brothers protect this investment by using Quaker State oils and greases.

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STABILIZED QUAKER STATE MOTOR OIL

THE OIL OF CHARACTER





IF JUNE is the month of brides and roses, March must just as surely be the month of oranges, for it is then that this golden fruit is at its best. This is also the month when meals made up of home products are likely to be lowest in vitamin C.

Investigations have shown that a long list of ailments follow in the train of vitamin C deficiency. Scurvy, tooth decay, gum troubles, lack of disease resistance, and the indefinite aches and pains of springtime are all cries of the human body for more vitamin C. Oranges are an excellent source of the health-giving substances, and by serving them regularly at the season when other vitamin C foods are lacking, we are sure this particular food requirement is being taken care of. Some of the other vitamins may be stored in the body in time of plenty, for times of need, but vitamin C is not one of these. Each day's supply must be taken in as it is needed.

Oranges served in sections may be used in a

wide variety of 10-minute salad combinations and desserts. As tender oranges may be easily torn when dividing them into segments, here is a satisfactory method I find helpful. Using a very sharp, thin-bladed knife, peel the fruit down to the juice meat, removing all outer skin and membrane. Then cut on either side of each dividing membrane and remove meat, segment by segment.

The breakfast glass of orange juice has become a national health habit, but this delicious product can be used in many ways besides as a beverage. Bananas are a porous fruit, and if peeled and soaked in orange juice before using them in salads or desserts, the flavor is improved and discoloration of the fruit is avoided. Raisins and prunes which are to be used in salads may be made unusually pleasing in taste if left in orange juice to plump. Marshmallows may be treated similarly, to their vast improvement.

Salad combinations, using oranges as the

base, are many and varied. For fruit salads they may be combined with canned fruits, dates, bananas, apples, prunes, raisins and nut meats. Orange segments or half slices, arranged in a circle around a mound of cottage cheese make a lovely combination. Two half-inch orange slices arranged with a thin slice of Bermuda onion between, and garnished with sliced stuffed olives makes a delicious combination.

The following recipes will help you to serve your daily stint of oranges in interesting ways.

Orange Bread

$\frac{1}{2}$ package fast, granular yeast	$\frac{1}{2}$ cup sugar
1 tablespoon sugar	1 teaspoon grated orange rind
1 cup lukewarm orange juice	3 cups flour
1 teaspoon salt	$\frac{1}{2}$ cup finely-cut candied orange peel
1 tablespoon butter	$\frac{1}{2}$ cup flour

Mix the yeast with the tablespoon of sugar. Let stand a few minutes and add the lukewarm orange juice, salt, melted butter, sugar, grated rind and 3 cups flour. Beat well, and let rise until double in bulk. Put $\frac{1}{2}$ cup flour on the board, sprinkle with the candied orange peel. Into this mixture knead the sponge. Shape into a loaf, let rise until light and bake in a moderate oven—375 degrees F.—for about 30 minutes. This makes 1 loaf.

Orange Rusks

1 package fast, granular yeast	1 tablespoon salt
$\frac{1}{2}$ cup lukewarm water	2 well-beaten eggs
2 cups orange juice	$\frac{1}{4}$ teaspoon nutmeg
$\frac{1}{2}$ cup melted shortening	2 tablespoons grated orange peel
$\frac{3}{4}$ cup sugar	8 cups flour

Soften yeast in lukewarm water. Mix together orange juice, shortening, sugar, salt, eggs, nutmeg and orange peel. Add yeast and flour. Beat well. Set in a warm place until double in bulk. Stir, but do not beat. Drop by spoonfuls into muffin pans that have been well



Many salad combinations use oranges as the base—and are they good! For instance, circle a mound of good, old-style cottage cheese with orange segments and you've as simple a salad as can be made, yet folks will rave about the flavor and it can look as pretty as the picture above. Or, try the gold leaf salad, shown to the left. Arrange orange segments in a leaf-like pattern. Make the center of leaf with a piping of mayonnaise or cream cheese. If you fell heir to grandmother's old leaf-shaped plates, they'll make this salad extra festive.

coated with melted butter. Turn over with a spoon and fork, to butter all surfaces. Let rise until very light. Bake in a hot oven—450 degrees F. for 10 minutes, or until golden brown. Cool slightly, and cover the tops with a mixture consisting of 1 cup powdered sugar mixed with 1 teaspoon grated orange rind and ¼ cup orange juice. These are delicious, and are ideal for school lunches. This recipe makes 30 rusks.

Baked Oranges

These are delicious as a meat accompaniment, and may be served with baked ham, roast lamb, fowl or pork. Slightly grate the skin of 3 oranges. Boil 30 minutes. Cool. Cut in half-inch slices. Lay in a baking dish and on each slice put 1 teaspoon sugar and ¼ teaspoon butter. Cover with water and bake in moderate oven—375 degrees F.—for 1 hour. Remove from the liquid, sprinkle with sugar and brown

slightly under broiler or in a quick oven. This will serve 6 persons.

Orange Chicken Salad

Toss together 2 cups cold diced chicken and 2 cups small cubes of oranges in a mixture made of ½ cup lemon juice, 3 tablespoons oil, 1 teaspoon salt and ¼ teaspoon pepper. Serve on lettuce leaves with French dressing. Lamb, veal or duck may be used instead of chicken. This amount serves six.

Fried Ham With Orange

6 pieces of ham 2 cups orange juice
2 tablespoons flour 2 oranges
Parsley

Fry ham. Add the flour to 2 tablespoons of frying fat and cook until lightly browned. Add orange juice and stir briskly to prevent lumping. Cook until the gravy is thick. Pour around the ham on serving dish, and garnish with parsley and orange slices. Serves six.—Mrs. Nelle P. Davis.

Growing Girl's Frock

FOR SCHOOL OR SUNDAY-BEST



Pattern 8756—One of the nice things about this pretty design is that you can use it for school and party frocks both, thus simplifying sewing problems. Made up in gingham, chambray, or linen, and trimmed with ric-rac, it's a sturdy everyday frock. Made up in velveteen, soft wool, or festive cottons, like dimity and dotted Swiss, trimmed with lace, it's lovely for ice cream and cake occasions. And there are just 10 steps in the sew chart that accompanies your pattern—10 easy steps. It's the simplicity of this little frock that makes it so sweet for all ages of schoolgirls, from little 6's to grown-up 14's. The high waistline, flaring skirt, puffed sleeves and heart-shaped neckline all combine to give exactly the right effect of childish charm. Sizes 6, 8, 10, 12, and 14 years. Size 8 requires 2½ yards of 35-inch material without nap; 1½ yards trimming—lace or ric-rac.

Pattern 15 cents. Address: Fashion Service, Kansas Farmer, Topeka.

So Glad She Waited

By BETH

It's funny to be thankful for not being in love. But I'm glad I wasn't in love a year ago. Not too deeply anyhow. Not deeply enough to marry Frank when he asked me. I was 27. I wanted to marry and I had a tearful notion Frank might be my last chance. But I didn't say yes.

And I hadn't even met John then! Some guardian angel must watch over dumb, ordinary girls like me, keeping them from marrying the "last chance" when real love is coming along in a few months!

John and I were married the first of the year. That's why I'm thankful for last year's not-being-in-love—because this year I am.

They Leave No Marks

By SEAMSTRESS

When preparing to baste a hem, those who do their own sewing know that when those basting stitches are removed from silks and some other materials, unsightly holes remain to mar the smooth beauty of the material. When it is necessary to work with these "sensitive" materials, ordinary bobby pins, slipped up on the hem, will hold it just so until the necessary stitches have been taken. A pull on the pins and you'll be delighted to find they leave no marks at all.

Neat Mending Trick

By MRS. JANE ANDERSON

Even with the utmost care the edges of a patch appear somewhat mussy unless pressed after the patching is finished. So I keep a small pair of scissors near the ironing board, and, as I iron, I trim the hole, make the necessary slashes, turn the edges under and press them down. Not only does this result in a neater-looking patch but it saves me a lot of time in mending.

It's So Easy This Way

By MRS. BENJAMIN NIELSEN

Even with careful handling repeated tubbings dull the fancy buttons and buckles used in trimming dresses. To avoid this I use large snaps, sewing one-half of the snap where the button is to be placed and the other half to the back of the button. Each buckle is slipped on the end of a belt, one-half of a snap sewed to one end which is turned back to fit its matching half sewed on the underneath side of the belt. Buttons and buckles are removed in a jiffy on wash day and remain pretty and bright—and ironing is simplified, too.

And when I want to wear my yellow dress with white hat and shoes, I snap on white buttons and buckle. If accessories are brown or black, then I snap on matching buttons and buckles in "the twinkling of an eye."

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We went to Hewett P. Mulford, one of America's finest bulb and seed companies, and had them make this special selection. It's positively packed with value. And we are offering it to you solely to induce you to try the new Maca Yeast more quickly.

We believe you'll start using Maca Yeast eventually anyway, because it offers so many outstanding advantages, but we think you should learn about it right now. Maca is the marvelous new fast

acting granular yeast that keeps without refrigeration—the most convenient yeast you've ever used. You can actually keep a handy supply on your pantry shelf. And just wait 'til your family tastes the rich old-fashioned flavor that Maca Yeast gives to bread and rolls! You'll get compliments of the kind that will make you delighted with your discovery of Maca.

So try Maca right away and send in for the glorious selection of bulbs and seeds we're offering. Don't delay. Enjoy the "Double Delight" of giving your family a new flavor thrill with Maca-made bakings—have a flower garden this year that will really "do you proud." Send Now!

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Burn Bluestem Pastures Late

By KLING L. ANDERSON

PRAIRIE fires will soon sweep the hills of Eastern Kansas as they have every year for a long time. These grasslands are in a sense adapted to frequent fires because they have been burned more or less regularly for centuries. Fires set by lightning or other natural causes have, no doubt, burned vast areas, and the Indians frequently burned grasslands to drive game during hunts or to attract them with the new growth of grass which followed the fire. Had these grasses been extremely susceptible to injury by fire they would have been eliminated long before the settling of Kansas.

Despite the apparent adaptation of the Bluestem grasses to repeated fires, appreciable reductions in yield may be expected to follow annual burning, but these reductions are smaller if the grass is burned only on alternate years. Frequent burning is much more harmful than occasional burning, but it has been shown that the time of burning is probably a greater factor in determining reduction of yield than is frequency of burning. On 2 experimental burning areas at Manhattan the plots burned late each year have consistently outyielded early burnings and have been exceeded only by the unburned plots. Yields over the 14-year period of 1927 to 1940 for plots burned annually are as follows:

Approximate Time of Burning	College Pasture		Casement Pasture	
	14 yr. 1940 aver. yields lbs.	14 yr. 1940 aver. yields lbs.	14 yr. 1940 aver. yields lbs.	14 yr. 1940 aver. yields lbs.
Fall (Dec. 1)	1,729	924	2,489	1,120
Early spring (late March)	1,758	1,109	2,608	1,760
Medium spring (early to mid. Apr.)	1,892	1,294	2,673	2,240
Late Spring (after Apr. 25)	1,933	1,505	2,831	2,176
Check (unburned)	2,400	1,795	3,354	2,272

These yields were obtained by clipping the plots at the end of each growing season, and are given in pounds of air-dry hay an acre. The weights include yields obtained during the 4-year period of 1934-1938 when burning was discontinued because of the drouth. During this time the differences due to burning tended to be more or less neutralized by climatic conditions, gradually becoming less apparent until burning treatments were resumed in the fall of 1938.

Why should late burning result in higher yields than the earlier treatments? The most important factor is one of moisture. Pastures burned early are subject to run-off and erosion for a long period in the spring until the grasses have made sufficient top growth to provide protection. In addition the early spring growth of grass on plots burned early is more rapid than on plots burned late and results in higher utilization of soil moisture. A combination of these 2 effects will frequently lead to a serious moisture shortage on burned pastures during dry summers.

It is frequently stated that pasture burning eliminates weeds but it was observed in this experiment that the only plots where burning had any appreciable controlling effect on weeds

were the late spring plots and to a limited degree on the plots burned about April 15.

For these reasons it is suggested that whenever burning becomes necessary it should be delayed as long as possible. On Eastern Kansas farms the livestock can be carried until late spring on Sweet clover or cereal grain pastures to permit late burning followed by deferred grazing. The burning should be done about the time the Bluestem starts growth. It is also important to burn only after a rain when the soil and plant crowns are wet and

when there is a fairly good breeze to carry the fire along rapidly.

It is realized that the recommendation for late burning does not apply to the large commercial pastures as they must be ready to receive cattle by late April, but for the average farm, where native pasture is not the sole source of feed, these practices are a distinct improvement over the old system of burning early to permit early grazing.

What to Do About Trees

(Continued from Page 11)

trees of each of these early varieties should be considered where they are adapted.

Satisfactory peach varieties based on Kansas experience, either for com-

mercial or home plantings, include in order of ripening: Carman, Belle of Georgia, Champion, J. H. Hale, and Elberta. New varieties among the many now commonly listed that appear worthy of trial are Golden Jubilee and Halehaven. There are at least a dozen other varieties, some of which may find a place in 10 or 15 years, and many may deserve a trial at this time.

The standard sour cherry varieties should include Early Richmond and Montmorency, with possibly a few English Morello.

The Hanson hybrid-type plums including Sapa, Opata, Hanska, and Weneta need to be included in Central and Western Kansas.

A home fruit supply selected from the above list including only 3 to 6

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Erie The Potter Hatcheries
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Eskridge Ivy Vine Hatchery
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Write for prices. Special discounts now. Good territory open for live agents.
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R. A. Long Bldg., Kansas, City Mo.

PHOSPHORUS NEEDED

For Many Kansas Farm Crops

FEEDING the soil, so it can do a good job of feeding humans and livestock in the U. S., was the theme of a Kansas fertilizer dealers' training school, held recently at Topeka. More than 120 dealers from the counties east of Wichita attended. The school was in charge of Judd Wolfram, of the fertilizer department of the Anaconda Sales Company, who is known personally by many Kansas farmers.

Headline speakers included H. S. Blake, general manager of Capper Publications, Inc.; Dr. H. E. Myers, Kansas State College, who explained the values of fertilizers; E. A. Cleavinger, Kansas State College, who gave a colored-slide lecture on successful alfalfa production with fertilizer; and R. I. Throckmorton, head of the agronomy department, Kansas State College. Mr. Throckmorton said fertilizers are playing an increasingly important part in the economy of the agriculture of Eastern Kansas. The college started fertilizer experiments 30 years ago, and Kansas has been using some fertilizer for 50 years. Phosphate fertilizers will bring good results when used for oats, sorghums, corn, alfalfa, Sweet clover, Red clover and the grasses, under the right conditions of application, season, and tillage, according to Throckmorton.

per cent of the purchasers stated they would buy more trees this year than they bought last year, which proves the good feeling developed by the project.

However, another survey in Barton county is somewhat shocking. Ninety-four rural schools had an average of 8 trees a school, and only 17 schools had 8 or more trees. But the startling revelation is that 54 per cent of the schools had no trees at all, and 81 per cent had fewer than 10 trees! Of course, this is bad, but do you know that it is about twice as good as the average for other Kansas counties?

Farmers may still receive AAA payment of \$7.50 an acre for trees planted in accordance with stipulations. There is a further benefit payment of \$1.50 an acre for the cultivation of such trees for a number of years. If you wish further information on this program, your county agent can supply you.

If you would do your part to help beautify Kansas, protect our natural resources, and provide a heritage for years to come, plant trees on Arbor Day, March 28.

"June Pasture" for Hens

The department of poultry husbandry at Kansas State College has been experimenting with grass silage for poultry since 1934. A method has now been evolved whereby "June pasture" can be provided the laying flock thruout the fall, winter, and spring months.

To make silage, oats grass is mowed the middle of May, put thru an ensilage cutter, mixed with 8 per cent of an equal part solution of molasses and water, and tramped into metal "fat" barrels. These have lever fasteners for

"Million Trees for Kansas"

(Continued from Page 9)

Last year the Great Bend Junior Chamber of Commerce conducted a tree-planting enterprise in Barton county. They met with such exceptional success, the state organization decided to sponsor the project in 30 counties this year.

Briefly, the plan is to arrange with a nurseryman to obtain 1-year seedling trees at a cost of 1 cent each. The Junior Chamber of Commerce makes mass orders and, in turn, sells the trees to the people of its county for a penny apiece, in any assortment of varieties or quantity, and delivers them to a trade center conveniently located for the purchaser.

In a survey of the trees planted in Barton county, the Junior Chamber of Commerce has shown that better than 70 per cent of the seedlings planted last year have survived. The best survival was with Chinese elm at better than 81 per cent, and Russian olive was second, with a fraction more than 79 per cent surviving. Eighty-one

THIS account sent in by Charles Teft, R. 1, Pomona, shows that once more Kansas farmers have won out against chicken thieves. Mr. Teft says: "The local poultry dealer noticed numerous sales of poultry by a suspicious party. He notified the sheriff. We farmers and neighbors had been very watchful for some time, but

the barrel head and rubber gaskets can be obtained to make a tight seal. About 350 pounds of silage is placed in each barrel. At present 4 pounds of grass silage is fed daily for each 10 hens. It may be used as one of the principal sources of vitamins A and G in the ration.

Some Foods in Lend Bill

(Continued from Page 10)

Washington situation today," Secretary Mollin's statement says, "Is the lessening of pressure for South American dressed meats. It was found there is a much more general acceptance of the position long taken by the American Livestock Association in opposition to any modification of the sanitary embargo provisions of the present law which prohibit importations of dressed meats from any country where foot-and-mouth disease exists. Therefore, it would seem that livestock producers can feel secure that no effort will be made to ratify the Argentine sanitary convention in the near future."

"Everything considered, the whole program of the co-ordinator of defense purchases relative to beef will tend toward price stabilization. The last thing the industry wants under present conditions is a runaway market. By spreading defense purchases over a wide range of meat products instead of centering them on a comparatively narrow range of the higher grades alone, we should avoid unwarranted peaks that might do our industry a tremendous amount of damage."

Exhibits Heaviest Turk

The heaviest turkey exhibited at the second annual Dressed Turkey Show at Kansas Farm and Home Week was exhibited by Lorn Gates, Aurora, instead of Lorn Rogers, as mentioned recently in Kansas Farmer. The bird weighed 42½ pounds.

The Trick Works Again

By J. M. PARKS, Manager
Kansas Farmer Protective Service



Top Cow at Romig Sale



Top cow at the Ira Romig and Sons dispersal sale recently in Topeka was Greta Piebe, shown with Mr. Ira Romig. The cow sold for \$460. A bull, King Creator, brought \$550. Ninety head averaged \$200 each. Bert Powell, Topeka, auctioneered the sale.

couldn't get the evidence necessary. Sheriff Cochrane asked us to mark our chickens and other property. Thru the co-operation of Mr. Foland, Kansas Farmer representative, we neighbors marked our chickens, and within 2 weeks the suspect made 2 sales of my chickens and one of Mrs. Hopkins'. They were readily identified by the Protective Service mark. The suspect was picked up by the sheriff and confessed the theft. Due to the fact that such small numbers were taken at one time, it was difficult to handle this case. It was about the longest-standing theft investigation on record in this county. It probably would not have been solved yet if we had not had some registered system of marking for identification, thanks to Kansas Farmer Protective Service."

Kansas Farmer congratulates Mr. Teft and his neighbors for their successful methods, and has distributed a \$25 reward among Mr. Teft, W. J. Hopkins, Cecil Kapps, George Antone and Sheriff Harry G. Cochrane, all of whom took part in the roundup.

To date in its war on thievery, Kansas Farmer has paid out a total of \$31,622.50 in cash rewards for the conviction of 1,347 thieves.

Thrilling Historical Episodes in States
served by Capper Publications, Inc.



Oklahoma's Famous Cherokee Strip WAS OPENED WITH A "BANG"

THE sharp crack of a starter's revolver broke the nerve-racking suspense at exactly noon on Saturday, September 16, 1893. This shot signaled the official opening of the historic Cherokee Strip for settlement.

Over 100,000 adventurous settlers crowded the Oklahoma territorial border 6 days before the big scale land grab. Registration certificates were needed by all folks wanting land and the long line of applicants stretched out for over a mile. At many congested points the U. S. Cavalry galloped in to settle arguments and stop fights.

It was a spectacular sight when the big moment finally arrived. Horsemen, prairie schooners, men, women and children—all surged forward in a desperate race to stake their claims and start their fortunes on these rich, fertile lands.

Agricultural opportunities were golden. Prosperity descended in bountiful measures. Year by year the productive soil created additional millions in new wealth and Capper's farm papers

and magazines helped point the way to a growing population of farmers.

Half a century has now passed since those rip-roaring days of the land rush, and today Oklahoma has a total registration of 564,000 families of which 145,946 are regular subscribers of a Capper Publication. This means a Capper magazine or paper is read in 1 out of every 3.8 homes in Oklahoma.

Here's a fair sample of all states throughout the great Midwest showing how Capper Publications are a vital part of the thinking and living of progressive Americans.

These folks are typical of over 4,000,000 Capper subscribers and friends of long years standing who display great confidence in our publications. Hundreds of national and sectional advertisers know and appreciate the value of these loyal readers. That's why they find it highly profitable to spend millions of dollars annually for advertising space with Capper Publications, Inc.

CAPPER PUBLICATIONS *inc.*

TOPEKA KANSAS

WIBW, TOPEKA, KAN.

TOPEKA DAILY CAPITAL
HOUSEHOLD MAGAZINE
CAPPER'S WEEKLY
KANSAS FARMER
PENNSYLVANIA FARMER
CAPPER ENGRAVING CO.

KANSAS CITY KANSAN
CAPPER'S FARMER
MISSOURI RURALIST
OHIO FARMER
MICHIGAN FARMER

KCKN, KANSAS CITY, KAN.

**High Farms Average \$3141
Net Income per Year...***
Low Farms \$605

**E. H. STRADLEY
NEWARK, OHIO
declares . . .**



"FENCE Helped Bring This Farm Back to Life"

"Careful building up", states Mr. Stradley, "has turned this 88-acre farm from worn out hills into a prosperous place today. Now it has even gained a high ranking position in my Agricultural College Farm Accounting Group. Every field on my farm is fenced stock-tight with woven wire . . . I raise all my own feed . . . and I'm cashing in better every year".

Put Up Some RED BRAND

Some of your fields may need 'bringing back to life' by crop and livestock rotation. Enclose them with dependable, durable RED BRAND fence. It's "Galvannealed", copper-bearing, Time-Tested. Assures you EXTRA years of fence line service and satisfaction. For REASONS why some farms make more money than others, WRITE . . .

KEYSTONE STEEL & WIRE CO.
2123 Industrial St. Peoria, Illinois

*According to Extension Service Business Reports of 9 Midwestern Agricultural Colleges.

RED BRAND FENCE
RED TOP POSTS

STOP Worrying about chick BOWEL TROUBLES

1. Check germ growth in drinking water.
2. Medicate digestive system with PHEN-O-SAL.



• Your chicks get Double-Duty benefit from Dr. Salsbury's Phen-O-Sal tablets. Because they don't oxidize, they don't lose their strength when feed and litter get in the drinking water. What's more, Phen-O-Sal ingredients—being stable—retain their astringent, healing qualities throughout the whole digestive system.

Start your chicks out right. See that every sanitary precaution is taken. Then, put Dr. Salsbury's Phen-O-Sal tablets in your baby chicks' drinking water at once. See your Dr. Salsbury dealer who may be a hatcheryman, druggist, feed or produce dealer.

Spray Chicks With Dr. Salsbury's Can-Pho-Sal at First Sign of Colds or Brooder Pneumonia

Dr. Salsbury's Laboratories
Charles City, Iowa

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

**Dr. Salsbury's
PHEN-O-SAL
TABLETS**

DOUBLE-DUTY DRINKING WATER MEDICINE



RIBSTONE SILO Concrete Stave SILO

Built of steel reinforced staves made by a special process producing maximum density and strength. Costs no more than ordinary silos. Build a permanent silo this year and add dollars to your farm profits. Big Discount now. Write to

The Hutchinson Concrete Co.
Hutchinson, Kan.

STOCKMEN STUDY MEAT PROBLEMS

MEAT was an important subject in Wichita, March 5 to 7, as stockmen of the state braved deep snow to attend the 1941 convention of the Kansas State Livestock Association. Cutting, marketing and advertising of beef, pork and mutton, received major attention by occupying the entire program for one day of the convention.

Leading the meat program was R. C. Pollock, Chicago, director of the National Live Stock and Meat Board, who discussed "Meat for the Army." Mr. Pollock explained that this institution is establishing schools for the purpose of teaching army cooks how to prepare cuts of meat to eliminate waste. He told the Kansas stockmen also, about conferences with members of the national defense advisory committee, for the purpose of informing them fully about the high food value of meat and its value in the diet.

With Mr. Pollock was Max Cullen who demonstrated meat cutting technique, both for the army and for home.

E. W. Phillips, of Kansas City, told of work being done by the American Meat Institute to encourage the consumption of meat in America. He explains that their effective work consists of telling about the nutritional value of meat, debunking silly prejudices against meat, and showing housewives how to use meat economically.

John M. Moniger, of the promotion department of the American Meat Institute, pointed out that people of this country eat more food than they did 30 years ago, but they eat less meat. Reasons for this, he said, include effects of the World War campaign for civilians to refrain from consumption of meat. Another dominant reason listed was the fact that more than half of the nation's home economists think the American people eat too much meat. Advertising of other food products, and prejudices against meat, were listed as other factors contributing to the decline of meat consumption. He produced evidence showing that meat ranks high among all foods in



New president of the Kansas State Livestock Association is Emil C. Kielhorn, prominent Cowley county cattleman, above.



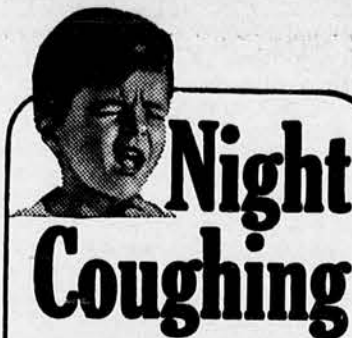
Below—Good fellowship at its best! James G. Tomson, left, director of the association, and noted Shorthorn breeder, of Wakarusa, is greeted by Will J. Miller, secretary of the association and State Livestock Sanitary Commissioner.



Below—Cal Floyd, Chautauqua county ranchman, left, congratulates the new vice-president, E. C. Robbins, Belvidere, center, in the presence of Herb J. Barr, Wichita county, rancher and state representative.



Below—Ray Moody of Anderson county, left, a director of the Kansas Livestock Association, visits with 2 cattlemen brothers from Graham county. Cecil A. Smith, center, and T. L. Smith.



Night Coughing

**Can Often Be Prevented
This Improved Vicks VapoRub Way**

If throat "tickles," irritation or mouth breathing due to a cold causes night coughing—give child a "VapoRub Massage" at bedtime.

With this more thorough treatment, the poultice-and-vapor action of Vicks VapoRub more effectively PENETRATES irritated air passages with soothing medicinal vapors. . . STIMULATES chest and back like a warming poultice or plaster. . . STARTS RELIEVING misery right away! Results delight even old friends of VapoRub.

TO GET a "VapoRub Massage" with all its benefits—massage VapoRub for 3 minutes on IMPORTANT RIB-AREA OF BACK as well as throat and chest—spread a thick layer on chest, cover with a warmed cloth. BE SURE to use genuine, time-tested VICKS VAPORUB.

YOU ALWAYS HAVE
GOOD COFFEE AT
YOUR HOUSE—
WHAT'S THE
ANSWER?

CUSTOM GROUND
A&P COFFEE, M'BOY
—AND IT'S ALWAYS
SWELL

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



EIGHT O'CLOCK COFFEE
World's Largest Selling Coffee

AT ALL A&P FOOD STORES
AND SUPER MARKETS

WHEN HENS
ARE LOUSY..

GET THE
"BLACK LEAF 40"



Lousy hens are poor payers. You can't afford to feed lice. Use "Black Leaf 40" with our "Cap-Brush" applicator. It is quick—easy—and economical. Saves time and money.

FEATHER MITES, TOO

Where feather mites are a problem they can also be controlled with "Black Leaf 40." Full directions on the package. Ask your dealer.

Insist on Original Factory
Sealed Packages for
Full Strength

TOBACCO BY-PRODUCTS &
CHEMICAL CORP., INCORPORATED
LOUISVILLE, KENTUCKY



nutritional value, digestibility, and vitamin content.

Delving into another topic, Ray L. Cuff, Kansas City, regional manager of the National Livestock Loss Prevention Board, discussed "Carelessness and Cussedness," as costly factors in the nation's livestock industry. Use of old loading chutes, loin bruises and overloading are common errors, he said. However, Mr. Cuff explained, cattle bruises have been decreased 40 per cent and hog bruises have been decreased 65 per cent in the last 3 years.

Fred Olander, of the National Live Stock Company, Kansas City, told the stockmen he expects good cattle prices thru 1941 and 1942. He expressed the opinion that increased cattle population of which we hear so much, is in the Corn Belt feedlots, rather than in the range areas where calves are produced. This surplus will be wiped out when these cattle are sent to market, he predicts. A store of philosophy for all convention guests was supplied by H. E. Floyd, editor of the Kansas Stockman, who was principal speaker at the banquet on Friday night.

Resolutions passed by the members in their annual business meeting touched on matters of interest to all Kansas farmers and stockmen. They

requested members of the 1941 legislature to memorialize the President of the United States, and Congress, to prevent any relaxation of modification of the existing embargo on importation into this country of dressed meats and meat products from countries in which foot-and-mouth disease is prevalent. This resolution is intended to discourage the opening up of imports from Argentina, both because of possible depressing effects on prices, and because of danger of bringing in the serious disease.

Another resolution urged the Kansas legislature to appropriate sufficient funds for the maintenance and support of the Fort Hays Experiment Station, while still another petitioned the legislature to appropriate funds for the specific purpose of repairing the physical plant of the animal husbandry department of Kansas State.

Other resolutions commended the Kansas Bureau of Investigation for the efficient and untiring work in apprehension of livestock thieves; urged Congress that the wages and hours law now in operation be so amended and clarified that it will meet the seasonal demands placed upon processors of meat products in such a way as not to place an additional cost upon the

finished product; petitioned the legislature to repeal or amend that section of the tax law which refers to grazing cattle; recommended that values on all farm property be lowered in view of the lower evaluation on utility and urban property.

Emil C. Kielhorn, Cambridge, leading Cowley county farmer and stockman, is the new president of the association, succeeding Francis H. Arnold, of Emporia. The stockmen elected Ed C. Robbins, of Belvidere, to succeed Mr. Kielhorn as vice-president. Will J. Miller was re-elected secretary-treasurer of the association, and it was recommended that the governor reappoint him as Kansas State Sanitary Livestock Commissioner.

MY GRANDPA WILL SEND YOU HIS SEED BOOK FREE
...JUST WRITE HIM TODAY!

Says Henrietta, Grand-Daughter of Iowa's Leading Seedsman

"This seed book is awfully nice... at least everybody says so. Grandpa sends one to anyone who plants garden seeds, nursery, field seed or raises chicks. And then, he sends FREE TOO a special big 15c pkt. of flower seeds (you have to send a 3c stamp to cover postage), and a sample copy of his SEED SENSE magazine. Have you got your copy yet?"

Henry Field, Personal
Box 409
Shenandoah, Iowa

Dear Henry: I enclose 3c stamp to cover postage. Please rush me your catalog with 15c pkt.

Name _____
St. or Rt. _____
Post Office _____ State _____

Bugs for 1941

(Continued from Page 7)

Best treatment for infested wounds is to swab out the wound with Benzol, stick a bit of cotton saturated with Benzol into the wound so that the liquid and fumes will be certain to reach the maggots. When the maggots have all been killed and dropped out, then the wound should be smeared with oil of pine tar which has a specific gravity of 1.065. Every cattleman or other farmer having cattle, hogs, sheep or other livestock should be ever on the watch for wounds infested with maggots.

BITING FLIES: There is nothing so annoying as the biting flies on cattle in June and again in July. The flies that get to the cattle in June are the so-called horn flies, the little black flies with long piercing mouths. The one that gets here in July is the gray-colored fly that also has a piercing mouth.

The horn flies breed in the cow dung. One of the good ways to keep these flies from becoming too numerous is to clean up the feed lots in the very early part of May and keep the manures hauled to the field thruout the summer until the cattle go to the pastures. It seems that the horn flies do not follow the cattle to the pastures in annoying numbers. However, that does not mean there will be no horn flies in the pasture, for if the cattle are allowed to gang up at the well or water hole, the dung will become plentiful and will attract the flies again.

The gray-colored biting fly breeds in the rotting straw of the wheat straw pile, the straw that is washed to the edges of the creek banks, and in other fermenting rubbish. One of the good ways to reduce these flies is to clean up the straw and rubbish. This is especially true in regard to the piles of straw that are washed to the creek banks during a heavy rain storm.

Oil sprays will not do much good as the oils do not last long enough. The dairy cow will stand still during milking time but that is about as long as it will last. Dairy barns should be screened to keep the flies out. The barn doors made of bran bags will wipe off the flies as the cows enter.

Flies can and may become bad any time during the summer, but are more likely to become abundant following flood waters.

Biting flies are difficult to catch in fly traps. In fact, they will not bother to enter the ordinary fly trap, for the kind of food they like is not used for bait. There is a fly trap that will catch these flies. It was designed by the Bureau of Entomology and Plant

Quarantine. The trap is a large affair, large enough for the biggest cow to enter and pass thru. It is designed to be placed in a gate or doorway to the barn, or in a place where the cattle must pass on their way to the pasture. There are burlap bags hanging from the ceiling of the trap which will wipe off the flies as the animal passes thru. Plans for this trap may be obtained by sending your request to Kansas Farmer, Topeka.

Books That Are New

By JANET McNEISH

The Voyage—By Charles Morgan. Macmillan, \$2.50. Author of "The Fountain." A vine grower called Barbet Hazard, simple, kind and good; and Therese Despreux, a celebrated star, self-willed and impulsive. The love of these 2 people in the grape country of France makes "The Voyage" an outstanding novel.

Dutch Vet—By A. Roothaert. Macmillan, \$2.50. A novel of a Dutch veterinary named Dr. Vlimmen.

Heed the Call of Spring!

Hark! I hear a voice of spring,
A frog doth croak and a bird doth sing,
And while the sap in the tree doth rise—
Pardon me, time out, to win the
Jingoleer prize!

All you have to do in the Jingoleer contest is write last lines for the jingle below. Look thru the advertisements in this issue for ideas. Then write last lines on a post card or letter and mail. Enter as many last lines as you wish. The cleverest, most apt line, wins the \$2 first prize!

Winner of the December 14 Jingoleer contest is Mrs. J. A. Schimmel, Geuda Springs—congratulations! The winning line: "With his feet soaked in Goodrich Litentufs." Other outstanding entries were made by Mrs. Hartley Bush, Eskridge, Mrs. H. F. Spellman, Junction City, Mrs. W. J. Lanning, Howard, and Mrs. J. E. Mitchem, Oakley.

Send last lines for jingle below to Jolly Jingoleer, Kansas Farmer, Topeka.

Harry's bride had lost her class,
A hot stove did it, poor little lass,
So Harry, with a shout,
Moved the old stove out,

Farming is no gamble when you own a PEERLESS



MR. FARMER: once and for all, end all doubts about your water supply. For reliability and long life pump it with a Peerless Pump. Irrigate and increase crops. Peerless Pumps are lowest in operating costs,—can be operated 24 hours a day without attention,—frequently repay their investment in one season. Types for every deep well, 4" or larger. Choice of oil or water lubrication. Choice of drives; widest range in capacities. Ask for literature.

PEERLESS PUMP DIVISION—Food Machinery Corp.
301 WEST AVENUE 26, LOS ANGELES, CALIFORNIA

PEERLESS offers all forms of drives—beltd, geared and electric heads. Also widest range of capacities from 10 g.p.m. to 15,000 g.p.m. in HI-LIFT and TURBINE types

NOW! A COMPLETE LINE OF PENNZOIL FARM LUBRICANTS TO HELP YOU Cut Operating Costs



"Our business depends on your satisfaction... That's why we recommend PennZoil's farm lubricants. They're the kind of quality lubricants equipment makers suggest you use."

See Your PennZoil Dealer Today For These Spring Lubricant Needs

- ★ **PennZoil Motor Oil**—the amazing anti-sludge PennZoil motor oil that keeps motors clean so they deliver more pep and power, use less fuel.
- ★ **PennZoil Tractor Chassis Lubricant**—A specially compounded lubricant made to stand up under hard tractor work. Provides a cushion under shock loads.
- ★ **PennZoil Bus, Truck & Tractor Oil**—a low-priced, high-quality motor oil economical to use in equipment whose age or condition does not justify PennZoil.
- ★ **PennZoil Diesel Oils**—recommended for safe, clean lubrication of high-speed Diesels, and for more hours of trouble-free operation.
- ★ **PennZoil Gear Lubricants**—have excellent lubricating qualities. Will provide safe lubrication for expensive gears under all operating conditions.

PennZoil's 5-gal. utility can is handy for many uses around farm when empty.



Get this new farm booklet FREE!

Packed with easy-to-follow hints on how to get equipment ready for spring work, "Tractors & Farm Machinery" will save you time, trouble and money this Spring. Write The PennZoil Company, Oil City, Pa., today, for a free copy.

SOPPIN' WET!

DRY SOFT!

YOU CAN'T MAKE HORSEHIDE HANDS Stiff and Uncomfortable



DON'T shackle your hands with board stiff work gloves. Get equal protection in Horsehide Hands and amazing wear too. Yet they're kid soft, even dry soft and stay soft. Made by the makers of famous Wolverine Shell Horsehide Work Shoes. If you don't know your dealer's name, write us.

WOLVERINE SHOE & TANNING CORP.
Dept. K-341, Rockford, Mich.

FREE!

Vest-pocket bill-holder (2" x 3 1/4" folded) of Wolverine Glove Horsehide for giving coupon below to dealer and inspecting Horsehide Hands.

WOLVERINE Horsehide Work Gloves

TO ALL WOLVERINE GLOVE DEALERS: Bearer is entitled to FREE Bill-holder after meeting conditions in our advertising.

Name.....
Address or R.F.D.....
Town..... State.....
Dealer's Name..... Dept. K-341

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-C
PARKE, DAVIS & CO., DETROIT, MICHIGAN
Drug Stores Sell Parke-Davis Products

Piles-Colon Troubles Demand Prompt Attention

Learn many interesting facts about Piles, Fistula, Colon and Stomach Troubles as well as associated ailments. New 122-page book sent FREE. Contains pictures, charts, diagrams. Describes latest institutional treatment. Write today. **MCCLEARY CLINIC**, 541 Elms Blvd., Excelsior Springs, Mo.

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. Low as \$50.
DUPLEX CONSTRUCTION CO., Dept. 18
East Omaha, Nebraska

You Could Do No Finer Thing!

The Copper 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:
COPPER FOUNDATION FOR CRIPPLED CHILDREN
20-B Copper Building, Topeka, Kansas

25 Years Later

(Continued from Page 3)

dairy show activities of the state. These developments were not brought about by the Kansas Holstein Association. However, they were made possible by groups of organizations like it, this one included.

So, all farmers and stockmen of Kansas might well doff their hats toward Herington and the Holstein breeders gathered there April 3. These men represent a truly great breed of livestock as evidenced by the fact that nearly half of all registered dairy cattle in the United States are Holsteins. The Kansas Holstein-Friesian Association now has 236 members who own nearly 10,000 head of high-quality purebred



John W. Johnson, livestock fieldman for the Mail & Breeze, (now Kansas Farmer), was one of the organizers of the Kansas Holstein-Friesian Association in 1916.

Former Governor W. R. Stubbs, of Lawrence, was a charter member and director of the Kansas Holstein-Friesian Association.

cattle. Forty per cent of all dairy cows on test in Kansas are Holsteins, and the state ranks high among the states, both in number of registrations and in number of certified Holstein herds.

Cows of this breed have contributed liberally to the list of high production records in Kansas. It is recalled that back in the days when production was measured in pounds of butter, one of the first cows to produce more than 1,000 pounds in 1 year was the queenly Geineta Knoll De Koll. This valuable cow, raised on the Stubbs farm at Mulvane, was one of the best known dairy animals in Kansas during the early twenties. Officially, she produced 28,600 pounds of milk and 855 pounds of butterfat in a year. One of her many state records was the feat of producing 126.8 pounds of milk in 1 day.

Thru the years to the present time, Kansas Holstein herds have flamed in glory, time after time, to figure prominently in production records of various kinds. The herd of H. A. Dressler, Lebo, is one of 14 in America to average more than 600 pounds of fat for one or more years during the first 12 years of official herd tests supervised by the American Holstein Association. Best record of this herd was an average of 658 pounds of butterfat in 1 year.

During the last 2 years, highest Kansas production records for all breeds have been registered by the Holstein herd of R. L. Evans, Hutchinson. This herd, which averaged 596 pounds of butterfat and 15,092 pounds of milk last year, has been on test continuously for the last 19 years.

In 1940, 10 prominent Kansas herds were classified by the American Holstein Association. This list includes the herds of R. L. Evans, Hutchinson; Hastage Farms, Hutchinson; St. Joseph's Orphan Home, Abilene; H. A. Meier, Abilene; Ernest A. Reed, Lyons; H. J. Meirkord, Linn; Henry Topliff, Formoso; Mike J. Schroll, Greenleaf; M. A. Shultz, Pretty Prairie, and Henry Hatesohl, Greenleaf.

All Holstein breeders of the state are invited to Herington for the big



anniversary celebration April 3. Headquarters for the event will be at Hotel Daily. Activities will begin in the forenoon, with a director's meeting scheduled for 10 o'clock. At noon there will be an informal luncheon, followed by the annual business meeting of the state association, from 1 to 4 p. m.

Entertaining events of the day will begin at 4 o'clock, with a 42-minute colored film showing a history of the breed, and pictures of leading Holstein herds throught the nation. Highlight of the festivities will be a banquet at 6 p. m., provided by the Herington Chamber of Commerce. Speakers will include Glen Householder, director of extension for the American Holstein Association; Elmer A. Dawdy, fieldman for the same association; and F. W. Atkinson, head of the dairy department at Kansas State College.

With them on the speaking program will be Jesse R. Johnson, livestock fieldman for Kansas Farmer, an active force in organization of the anniversary celebration.

His appearance on the program and his activity in helping plan the event recalls to memory the efforts of his brother John W. Johnson in that initial meeting at Herington 25 years ago. Invitations to speak have been issued to the national president, A. C. Oosterhuis, of Oconomowoc, Wis., and to O. E. Reed, head of the Bureau of Dairy Industry, Washington, D. C.

President of the Kansas Holstein Association at present is R. L. Evans. W. K. Phillips, of Manhattan, is vice-president, and Grover Meyer, of Basehor, is secretary-treasurer. Directors are: Raymond Appleman, Linn; W. H. Mott, Herington; Charles Baumgardner, Parsons; A. C. Beckwith, Easton; B. R. Gosney, Mulvane; A. F. Beyler, Harper; T. H. McVay, Nickerson; C. L. E. Edwards, Topeka; and Harry Burger, Seneca.

Organization members who attended the meeting at Herington 25 years ago included the following: J. T. Axtell, Newton; W. E. Bentley, Manhattan; C. A. Branch, Marion; Charles A. Brock, Nortonville; H. C. Burger, Seneca; L. F. Corey, Belleville; C. W. Dingman, Clay Center; P. W. Enns, Newton; Richard A. Ewing, Iola; T. M. Ewing, Independence. D. W. Flower, Mulvane; Al Howard,

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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.

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Kansas Farm Calendar

March 21—Livestock Meeting, Russell.
March 21—Barber County Tractor Fuel and Oils Show, Medicine Lodge.
March 21-22—Community Dairy Meetings, Jackson county.
March 22—Horticulture Meeting, Jefferson county.
March 22—Russell County 4-H Spring Festival, Russell.
March 22—Johnson County 4-H Festival, Olathe.
March 22—County Sheep Shearing and Dipping Demonstration, Nemaha county.
March 22—Beef School, Ellsworth county.
March 22—District 4-H Festival, Alma.
March 22—Chautauqua County 4-H Festival, Sedan.
March 22—Annual 4-H Club Festival, Montgomery county.
March 22—AAA Motion Picture Show, Medicine Lodge.
March 22—Elk County 4-H Spring Festival.
March 24—Sheep and Wool Producers' Meeting and Lamb Dinner, Lyon county.
March 24—District Farm Bureau Meeting, Seneca.
March 24—Home Health and Sanitation Meeting, Russell, Russell county.
March 24—"Fats From the Farm," Foods and Nutrition Meeting, Morris county.
March 24-25—Program Planning, El Dorado.
March 24-25—Land Use Planning Meetings, Butler county.
March 25—Beef Cattle Tour, Atchison county.
March 25—County-wide Meeting on "Being a Good Hostess," Ellsworth county.
March 25—Sheep Production Meeting, Elk county.
March 26-27—Fertilizer Meetings, Winfield and Cambridge, Cowley county.

March 26—Sheep School, El Dorado.
March 27—Feedlot Meetings with Sheep Men and Annual Sheep Men's Dinner, Reno county.

March 27—Irrigation Meeting, Greensburg, Kiowa county.

March 27—Leaders Landscape Gardening School, Atchison county.

March 27—Dairy Tour, Ellis county.

March 27—Feedlot Tour and Beef Cattle Day, Brown county.

March 27—Reno County Sheep and Wool Growers' Annual Meeting and Dinner, Hutchinson.

March 27-28—Tractor and Implement Show, Atwood, Rawlins county.

March 28—Music Festival, Atwood, Rawlins county.

March 28—Beef Meeting and Tour, Nemaha county.

March 28—Sheep Meeting, Morris county.

March 29—District 4-H Club Spring Festival, Hoxie.

March 29—Beef Tour, Jackson county.

March 29—District 4-H Spring Festival, Girard.

March 29—Brown County 4-H Spring Festival, Hiawatha.

March 31—Sorghum Security Festival, Lakin, Kearny county.

March 31—Sheep School, Ellsworth.

April 1—District 4-H Clothing School for Leaders, Holton, Jackson county.

April 2—Farm Management Meeting, Jefferson county.

April 3—John O. Miller, on Plant Diseases, Montgomery county.

April 3—Insect Control Meeting, El Dorado.

April 4—4-H Club Meeting, Jefferson county.

April 4—4-H Home Economics Judging School, Decatur county.

April 4—Rural Engineering Meeting, El Dorado.

April 4-5—Planting and Pruning Demonstration, Sherman county.

April 5—Sub-district 4-H Spring Festival, Osborne.

April 5—Sub-district 4-H Spring Festival, Howard.

April 7-12—School for Extension workers, Manhattan.

April 12—District 4-H Spring Festival, Holton.

April 12-4-H Spring Festival, Atchison.

April 16-17—Equipment School for Livestock Producers, Linn county.

April 18—Entomology Meeting, Jefferson county.

April 18—Marion County Hereford Show, Hillsboro.

April 19—Beef Producers' Day, Horton, Brown county.

April 19—Montgomery County 4-H Club Health Contest.

April 21-23—State 4-H Leaders' Conference, Hutchinson.

April 25-4-H Judging School, Hays.



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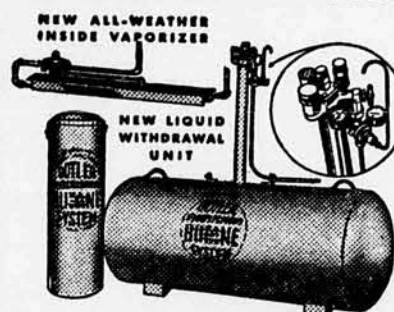
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Now—there is an easy-to-own Butler Butane Gas System to fit every climate—the Vapor Withdrawal System for mild to medium winter temperature—the Automatic Liquid Withdrawal System for colder winter regions.

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Send Full Facts On BUTLER Butane Gas Systems

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KEEPING up with what's new in the way of farm machinery, home equipment, silos, buildings, and the like is a mighty important task. It can be simple, however, with the aid of Kansas Farmer advertisers who have prepared data on all of their latest output.

To obtain a copy of this material, usually in booklet or pamphlet form, you need only to drop a card or letter to the advertiser asking for the catalog or book you need to keep abreast of the latest developments. For convenience sake, here is a list of advertisers in this issue who offer booklets, pamphlets or catalogs to Kansas Farmer readers:

Your spring building program will be aided materially if you have a copy of the Weyerhaeuser booklet, "Greater Farm Profits from Better Farm Buildings." It is yours if you will mail the coupon on page 7, properly filled in, of course.

The new Skelly Almanac, which is described on page 9, has some lubrication and operation data that every power-farmer will want. Use the coupon.

Here's one that will interest farm women, something for the kitchen and garden, both at once. It's the Maca Yeast offer on page 13 which you will want to take advantage of by mailing the coupon immediately.

Send for the Nitragin Company book that tells you how to grow bigger crops of better legumes. This ad is on page 16.

When you think of a new buck rake, send for the literature describing the Stockwell line of Hay Tools. This ad is on page 16.

There are 2 silo advertisers in this issue who have literature and special offers for prospects. National Tile Silo

Company has an ad on page 16 and the Hutchinson Concrete Company advertises steel reinforced stave silos on page 18.

For reasons why some farms make more money than others, write to the Keystone Steel and Wire Company as directed in the ad on page 18.

If you have draws to fill, dams to build or dirt to move, send for the details of the Central Manufacturing Company offer, page 19, and the literature mentioned in the Duplex Construction Company ad on page 20.

Learn how you can remove many of the difficulties of fueling tractors or other machinery with the Sheldon Tractor Filler. Send for the pamphlet fully describing this pump.

Planning irrigation? Send for the literature which the Peerless pump Company has prepared. See the ad on page 19.

Here is an interesting offer of a free billfold to anyone who will visit his Wolverine Glove dealer. Be sure that the coupon in this company's ad on page 20 is presented, however.

How about a free sample of Kreso Dip, offered in the Parke, Davis ad on page 20. Makes a gallon of solution.

In irrigation, transportation of the water is a problem in itself. Here's one solution in flexible, galvanized pipe, made by the Chicago Metal Manufacturing Company. Write as directed on page 20.

If you are considering the purchase of a new combine this spring, send for the literature mentioned in the Oliver ad on page 21.

Another combine ad appears on page 28, this one for John Deere and it contains a coupon for you to fill and mail. Do this carefully.

And, of course, always mention Kansas Farmer when you write.



FARMERS NEED Accident Protection!

Accidents happen to people in every walk of life. You can't avoid the risk of accidents—but you can protect yourself and your family against the expenses which result from accidents.

Investigate our New Special Accident policy which is underwritten by The Washington National Insurance Company of Chicago, one of the oldest and most reliable companies in the business.

This Policy is issued thru Capper Publications, Inc., and offered to you for less than 4c per week. It provides liberal death benefits, monthly disability payments, ambulance fees, hospital benefits, and doctor bills, subject to the terms of the policy. Your Capper representative will be glad to explain the details of the policy without obligation.

Ask Your Capper Man or Write

KANSAS FARMER INS. DEPT. TOPEKA, KAN.

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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 selling prices in your classified advertisements.

BABY CHICKS

1941 Government Laying Contest reports show we have Champion Pen, and Hen, Missouri and Oklahoma Contests over all varieties. Blood-tested. Approved chicks. Big Type White, Brown, Buff, Leghorns, Anconas, Straight Run \$6.25—Pullets \$10.00 per 100. Rocks, Reds, Orpingtons, Wyandottes, New Hampshire, Straight Run \$6.25—Pullets \$8.00 per 100. Heavy Assorted \$4.75—Assorted \$4.00 per 100. Cash with order. Postpaid. Missouri Valley Farm, Box 460, Marshall, Missouri.

Freeman's AAA Chicks: Approved 100% Blood-tested. ROP Sired, Large Hollywood English White Leghorns; White Giants \$7.50; R.C.P. White, Minorcas, Silver Laced Wyandottes \$7.25; Reds, Rocks, Orpingtons, Wyandottes \$6.80. AAA Brown and White Leghorns \$6.45. Heavy Mixed \$5.90. Assorted all breeds \$4.90 per 100 prepaid. Order direct from ad. Freeman's Hatchery, Box K, Fort Scott, Kansas.

We Lead 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, Neb.

As Little as \$5.40 Per 100—Chicks from World's Champion 1938-1939-1940 official laying contests for number monthly high pen, high hen awards, also winner Poultry Tribune award for highest livability of all breeders in official contests. 1 1/2 million chicks monthly. Save up to 20% on early orders. Catalog free. Lindstrom Hatchery & Poultry Farm, 343 Lindstrom Road, Clinton, Mo.

Before Buying Chicks, get details famous Big Boy Chick Raising Plan. You get proper size oil or electric brooder to use free, at no increased price. Thousands satisfied customers acclaim U.S. Approved Big Boy Chicks "America's Finest." Easy-payment credit plan optional. Write Illinois State Hatcheries, 333 Jefferson, Springfield, Illinois.

Schlichtman Square Deal Chicks, U. S. Approved. Pullorem tested. Prepaid per 100. Leghorns, Anconas, \$6.25; Rocks, Reds, Orpingtons, Wyandottes, Minorcas, \$6.50; Brahmas, \$7.50; Assorted \$4.90; pedigree sired and sexed chicks. Free catalog explaining 2-week replacement guarantee. Schlichtman Hatchery, Appleton City, Mo.

Combs' ROP Leghorn Chicks. Bred from high livability families. Sired by 250-331 Egg ROP Males. 1941 Contest pens, Texas and Connecticut averaged 214 eggs; 251.55 points per bird. Chicks Sexed Chicks. Hatching eggs. Very reasonable prices. Partial Payment Plan if desired. Catalog. Combs and Son, Box 8, Sedgewick, Kansas.

Prompt Shipments. Approved, bloodtested White, Brown Leghorns \$9.95; pullets \$10.95. Reds, Wyandottes, White, Barred Rocks, Orpingtons \$9.95; Pullets \$8.45. Heavy mixed \$4.95 f.o.b. plant. Send no money, we ship C.O.D. Centrally located, quick shipping service to every state. Fair Deal Hatchery, Box 148L, Centralia, Mo.

Ideal "AAA" Quality Chicks—Thousands weekly. 100% live delivery. Bloodtested. English Type White Leghorns \$5.25. Pullets \$9.45. Cockerels \$2.45. Rocks, Wyandottes, Reds \$5.15. Pullets \$7.85. Cockerels \$5.45. Heavy Assorted \$4.90. Leftovers \$3.95. Immediate shipments. Wright Hatchery, Clinton, Mo.

Super-Quality "AAA" Chicks: Missouri Approved. Bloodtested. 100% live, prompt delivery. Leghorns \$6.40. Pullets \$10.90. Cockerels \$3.50. Rocks, Reds, Wyandottes \$6.40. Pullets \$3.90. Cockerels \$6.40. Heavy Assorted \$5.75. Assorted \$4.50. Postpaid. Catalog. ABC Hatchery, Garden City, Mo.

60¢-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, KFT30 Cole St., Mexico, Mo.

"Missouri's Finest" Purebred Chicks: Strong, healthy. Bloodtested. Leghorns, \$5.65. Pullets, \$9.85. Cockerels \$2.45. Rocks, Reds, Wyandottes \$5.85. Pullets, \$8.25. Cockerels, \$5.85. Heavy Assorted \$5.50. Assorted, \$4.35. Immediate shipments. FOB Garden City Hatchery, Garden City, Mo.

Heavy Cockerels \$7.90; Leg-Rock cockerels \$5.75; Leghorn cockerels \$2.50; Light Assorted cockerels \$2.25; heavy Assorted unsexed \$3.90; heavy Assorted pullets \$8.40; Leghorn pullets \$11.40 per 100. Prices of straight breeds on request. Loddell Hatchery, Waterloo, Iowa.

Colonial Chicks Low as \$5.40 per 100. Time payments. World's largest hatcheries. Leading breeds. U. S. approved. Also sexed and hybrids. Big chick manager free. Colonial Poultry Farms, Pleasant Hill, Mo., or Wichita, Kan.

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. Rapidly culled and Kansas approved. Pullorem tested. Purebreds, hybrids, sexed chicks. Write for free circular. Johnson's Hatchery, 218 West First, Topeka, Kan.

High Quality Chicks: Leghorns \$5.40, pullets \$9.00, cockerels \$1.95; Rocks, Reds, Wyandottes, Orpingtons \$5.50, pullets \$6.75, cockerels \$3.75. Quality Chicks Hatchery, Box 187B, Clinton, Mo.

Chicks on a 30 Days Trial Guarantee. All varieties. Missouri Approved. Bloodtested. Easy buying plan. Low prices. Chick manual free. Missouri State Hatchery, Box 173, Butler, Mo.

Tudor's Kansas Approved superior quality production bred chicks, leading pure breeds, hybrids, sexed chicks, high livability, bloodtested. Tudor's Hatchery, Topeka, Kan.

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.

Chicks-Bloodtested Flocks: heavy breeds, Leghorns and Minorcas, Austra Whites, Leg-Rocks, Leg-Rocks, Assorted \$4.50. Postpaid. Ivy-Hatchery, Eskridge, Kan.

We Have Never Been Able to Supply the demand for our two week old chicks. Why? \$3.50 to \$10.50 per 100. Kensington Hatchery, Kensington, Kan.

Langshans, Hampshires, Orpingtons, Wyandottes, Rocks, \$6.50. Jenkins Hatchery, Jewell, Kan.

Free Poultry Guide, while they last. McLeod Hatchery, Shawnee, Kansas.

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Save---Order Direct

100% arrival. Losses first 10 days replaced 1/4 price. Sexed chicks guaranteed 90% true. Prepaid for cash.

Prices per 100—	Unsexed	Pullets	Males
White, Brown and Br. Leghorns.....	\$6.25	\$12.50	\$2.90
White, Barred and Br. Rocks, White, Black and Br. Minorcas, S. C. Reds, White Wyandottes, Buff Orp. Anconas, R. I. White and Leg Rocks.....	6.50	8.95	7.50
New Hampshire Reds, White and Black Giants, Black Australorp, and Lt. Brahmas.....	7.50	7.50	9.00
Heavy Assorted.....	5.90	7.50	6.90
Assorted all breeds.....	4.90	7.50	3.40

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

BROOKFIELD CHICKERIES, BOX 124K, BROOKFIELD, MISSOURI

BABY CHICKS

BROOKFIELD CHICKS

210-320 666

FREE FEEDER

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

AAA Bred-for-Profit CHICKS

75,000 weekly, prompt shipments. 100% delivery. Hatched from big eggs from vigorous, heavy egg and meat production. Hundreds of 240-300 egg bred males 1941 matings. Big-Type White Legs... \$5.65 Per 100. S. C. Buff or Brown... \$5.40 Per 100. 95% Pullets... \$5.40 Per 100. Surplus Chicks... \$2.90. Hvy. Asst. \$4.95. Order today. Send names 6 chick buyers. We'll include 6 extra chicks with each 100 ordered. Send no money. We ship C. O. D., F. O. B. hatchery.

MIDWEST CHICKS, Box 374, Kansas City, Mo.

Long Distance Layers R.O.P.

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 Pullorem Tested. Super-size Eng. type 300 egg bred Wh. Leg; Br. Leg; Reds; New Ham; Bar. Wh. Br. Rocks; Wh. Wyand; S. L. Wyand; R. I. White; Austra-White; Br. Orp; Wh. Br. Min; Anconas; Wh. Giant. Price list and Progress in Poultry Culture Free.

THE POTTER HATCHERIES, BOX 163, CHANUTE, KANSAS

QUALITY CHICKS \$2.45 Per 100

Strong, healthy chicks from reliable hatcheries. Blood-tested, high quality stock. You get best quality at 3c to 10c per chick less.

Real Bargain Prices

White, Barred, Buff Rocks: Wyandottes, Orpingtons, Minorcas, Austra-Whites, Leg-Rocks, Red-Rocks, Rock-Reds.....	Per 100
.....	\$5.35
Big Type White Leghorns, Brown or Buff Leghorns, A-No. 1 Heavy Assorted.....	Per 100
.....	\$4.85

ASSORTED COCKERELS \$2.45

100% Live Delivery Guaranteed. Thousands hatching weekly. Quick shipment. ORDER TODAY. SEND NO MONEY. We ship C.O.D. plus postage.

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Route 10 Atchison, Kan.

SAVE MONEY

Order Top Quality Production Bred Chicks Now. Customers ordering year after year proves our Quality cannot be beat regardless of cost.

Heavy Breeds.....\$7.50
Leghorns and Austra Whites.....\$7.00

Give 1st and 2nd choice of breeds for immediate delivery. postpaid—25c discount per 100 on 300 or more.

Cadwell Hatchery, Lawrence, Kan.

CENTRALIA CHICKS

From Blood-Tested, Husky, Vigorous Flocks—

Prepaid—	Straight	Pullets	Cks.
S. C. White Leghorns.....	\$5.95	\$10.95	\$2.95
S. C. Reds, Barred Rocks.....	6.25	7.85	5.45
White Rocks, Wh. Wyandottes.....	6.25	7.85	5.45
N. Hampshire Reds.....	6.25	7.85	5.45
Heavy Asst. Breeds.....	5.75	6.10	5.25

Order direct from this ad—100% live delivery immediate delivery.

CENTRALIA HATCHERY, CENTRALIA, MO.

FREE POULTRY GUIDE

While They Last
McLEOD HATCHERY
Box K Shawnee, Kansas

Purina Embryo-Fed and bloodtested chicks and Turkey poults. All popular breeds. Write for prices and descriptions. Steinhoff & Son Hatchery, Osage, Kan.

Buy Aladdin Magic Profit Chicks for greater profits. Seventeen breeds. Bloodtested. Low prices. Free circular. Aladdin Hatchery, Box K, Kirksville, Mo.

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

White's Bred to Lay Chicks for Bigger Profits. Backed by 25 years of bloodtesting and culling. White's Hatchery, Rt. 5, North Topeka, Kan.

Fisher's U. S. and Kansas Approved chicks, that live and grow. 25 years experience. Fisher Hatchery, Wilson, Kan.

200 to 300 EGG TRAPNEST R. O. P.

Pedigreed bloodlines. Approved, blood-tested. Ideal Matings.

White Leghorns White Rocks Barred Rocks White Wyandottes S. C. Reds Buff Orpingtons	PER 100 POSTPAID
Assorted, \$4.90; 95% PULLETS, \$7.95 up.	

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WHY SUNSHINE CHICKS ARE BETTER!

1. Bloodtested. Rigidly Culled. ROP Sired.
2. Stock from Nationally-known breeders.
3. Thousands of chicks purchased annually by boys and girls' clubs.
4. You get Blue Ribbon Winners when you buy Sunshine Chicks.

Tell us what breed you want and we'll write you personally about our chicks and low prices. Sunshine Hatchery, Box E, Oswatimie, Kan.

"BE THRIFTY"

It's your money you are spending, get all it will buy. We have the finest Missouri Approved and tested chicks at prices you can afford. Ask for our circular and prices; you'll be surprised.

MODEL HATCHERY

Creighton Missouri

Bloodtested Stock—Mo. Approved

YOUR CHOICE OF White Rocks, Buff Rocks, Barred Rocks, Wh. Leghorns, Buff Orp., Red and N. H. Reds, Wh. Wyandottes.	\$6 Per 100 Postpaid
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Assorted Chicks, \$4.90 Per 100

Order Direct From Ad—Immediate Del.

ADRIAN HATCHERY, Box 13, ADRIAN, MO.

MONIEMAKER AUSTRA WHITE HYBRIDS

Get your money's worth from your hard-earned dollar!

12 varieties. Sunflower Vitalized Chicks. Sexed. Bloodtested, \$2.95 up. Thousands of satisfied customers. Circular free. Prompt shipment. SUNFLOWER HATCHERY, BRONSON, KAN.

STARTED CHICKS

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 100 Blackberry or 50 Youngberry...2.00
 18 Boysenberry or 50 Youngberry...1.00
 8 Champ, Gooseberry, or Redlake Currants...1.00
 12 Welch's Concord Grapevines, 2 yrs...75
 2 Caco, 2 Niagara, 2 Fredonia, 6 Concord...1.00
 40 Iris or 100 Gladioli, assorted large bulbs...1.00
 40 Peonies—Rosenfeld, Maxima, Superba...1.00
 3 Bittersweet or 3 Pinkweiss Mums...50
 4 Everblooming two year roses—Willow...50
 mere, Sunburst, McArthur, Joanna Hill...1.00
 5 Pauls Scarlet two year climbing roses...1.00
 3 French Lilacs, red, white and blue...1.00
 25 Amour Privet or Jap Barberry, 18 inch...1.00
 20 Spirea Vanhouttei or 10 Red Honuckle...1.00
 10 Redleaf Barberry or Red Dwarf Spirea...1.00
 10 Red Ced, or Aust. Pine, 12 in. tr. plants...2.00
 10 Chinese Elms, 5 ft. nice for shade...1.00
 8 Am. or Chin. Elms, 6 ft. by prep'd exp...2.00
 3 Sweet Cherry Plums, bear second year...1.00
 20 Apples—5 Jonathan, 5 Grimes, 2 Duch...3.00
 4 Compass Cherries or 4 Kieffer Pears...1.00
 2 Montmorency and 2 Richmond Cherries...1.00
 2 Wameta, 2 Sapa, 2 Terry, 2 Aprt Plums...2.00
 10 Elberta Peaches or other sorts...1.50
 4 Niobe Weeping Willow or 4 Apricots...1.00
 25 American Elms or 20 Mulberries...1.00
 20 Chinese Elms or 15 Lombardy Poplars...1.00
 6 Giant Boysenberries Free with a \$5.00 order.
 Good 4 ft. trees. (Prepaid.) Order from this ad.
 Checks accepted. Catalog Free.
 Welch Nursery, Shenandoah, Iowa.

Boysenberry—World's Largest Berry. Enormous yield. Delicious flavor combining Blackberry and Raspberry. Succeeds in both North and South. 20—\$1.00; 50—\$2.00; 100—\$3.50; 1000—\$30.00. Youngberries 50—\$1.00; 100—\$2.50; 1000—\$20.00. Large Bearing size any above 10c each. Will bear this year if set early. Mammoth Nectarberry and Thornless Boysenberry (New) 10—\$1.00; 50—\$4.00; 100—\$7.50. Bearing size 20c each. Everything parcel post or express prepaid and guaranteed to arrive in growing condition. Instructions and Price List Free. Ideal Fruit Farm, Stilwell, Oklahoma.

Certified Frostproof Cabbage and Onion plants—large, stalky, field grown, well rooted, hand selected. Jersey Wakefield, Charleston Wakefield, Flat Dutch, Copenhagen Market, 300-60c; 500-85c; 1,000-\$1.50. Onions—Crystal Wax, Yellow Bermuda, Sweet Spanish, 500-50c; 1,000-85c; 3,000-\$2.25. All postpaid. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Texas.

Strawberry Plants—(Certified). The best new land grown. Dunlap Aroma, Improved Blakemore, Klondike, Dorset, Fairfax, and Gandy. Prices prepaid parcel post either above variety or assorted as wanted. 200-\$1.00; 500-\$2.00; 1,000-\$3.50. Write for prices larger quantities. Genuine Mastodon and Gem Everbearing, large vigorous plants, bear this year. \$1.10 per 100 postpaid. Directions for growing with each order. Ideal Fruit Farm, Stilwell, Oklahoma.

Certified, Frost-Proof Cabbage and Onion Plants. Cabbage, All Varieties. Parcel Post Prepaid. 200, 65c; 500, \$1.00; 1,000, \$1.75. Express collect 2,500, \$2.00. Onion, All Varieties. Parcel Post Prepaid, 500, 60c; 1,000, \$1.00; Express collect 8,000, \$2.00. Prompt shipment, safe arrival, satisfaction guaranteed. Catalog free. Union Plant Company, Texarkana, Arkansas.

Strawberry Plants; extra well-rooted, full count, moss packed. Klondike, Blakemore, Dunlap, Bellmar, Missionary (500-\$1.25) (1,000-\$2.00) Boysenberry, Youngberry, Dewberry (25-\$1.00) (100-\$3.00) (1,000-\$25.00) Everything prepaid. A. B. Jones, Alma, Ark.

Sample Plants. Send for our 1941 color catalog of hardy, field-grown cabbage, onion, lettuce, beet, broccoli, tomato, potato, eggplant and pepper plants. Sample offer to get acquainted—25 frostproof cabbage plants for 10c postpaid. Special prices on large lots. Write today. Piedmont Plant Co., Box 921, Albany, Ga.

Send No Money. Pay on Arrival. Certified plants, frostproof Cabbage, Onions, Tomatoes, Pepper, Eggplant, Cauliflower, Broccoli, Sweet Potato, 200-50c; 500-85c; 1,000-\$1.25; leading varieties, mixed anyway wanted, moss packed. Texas Plant Farms, Jacksonville, Texas.

Certified Plants—Pay Postman. Frostproof cabbage, Onions, Tomatoes, Pepper, Eggplants, Cauliflower, Broccoli, Sweet Potato, 200-50c; 700-\$1.00; 1,000-\$1.25; leading varieties, mixed anyway wanted, moss packed. East Texas Plant Co., Ponta, Texas.

\$1.00 Garden Selections: (150 Dunlap, 150 Bellmar) (150 Gem Everbearing) (100 Gem Dunlap); Boysenberry, Youngberry, Dewberry (25-\$1.00) (100-\$3.00) (1,000-\$25.00). Everything prepaid. Ozark Mountain Berry Farm, Alma, Ark.

Roses—2-year, field-grown. Red, Pink, Shell Radiance, Tallman, Pres. Hoover, Sunburst, Etelle Holland, Columbia, Luxembourg, Catalina, Briarcliff. All 19c each postpaid. Ship C.O.D. Catalog free. Naughton Farms, Inc., Waxahatchie, Texas.

Strawberry Plants, Certified: Aroma, Blakemore, Dunlap, Dorsett, Fairfax, 300-\$1.00; 1000-\$2.00. Gem, Mastodon, Everbearing, 150-\$1.00. Cumberland Blackcap Raspberry 50-\$1.00. Prepaid. Jesse Ward, Bluejacket, Okla.

Strawberry Plants: Dunlap and Blakemore \$1.50 thousand. Boysenberry and Youngberry plants 2c each. Special offer: 25 Boysenberry plants and 150 Strawberry plants all postpaid for \$1.00. V. Basham, Mountainburg, Ark.

Certified Plants, Postpaid. Frostproof cabbage—Jersey, Charleston, Early Dutch, 500-85c; 1,000-\$1.50. Bermuda onion, 500-60c; 1,000-\$1.00. Special: 200 cabbage, 500 onion, 1,000 Thos. F. Reid, Russellville, Ark.

Strawberry Plants, Klondike, Blakemore, Missionary. \$1.50 thousand. 500-\$1.00. New ground grown, Nice roots. Boysenberry, Youngberry, \$2.50 per 100, \$20.00 thousand. J. M. Basham, Alma, Ark.

Thin-Shell Black Walnuts—Rapid growers, beautiful shades; bear 2nd year. Nut large, easily cracked. Catalog free. Corsicana Nursery, Corsicana, Texas.

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

PLANTS—NURSERY STOCK

Special! 200 Yellow Free Blakemore or Dunlap plants delivered \$1.00. Free beautiful colored calendar catalog quoting sensational low prices on strawberries and vineberries. Waller Bros., Judsonia, Ark.

Free—Catalog 1941, describing all kinds of vegetable plants. Tells how to plant, spray and care for the garden. Write for your copy today. F. D. Fulwood, Tifton, Ga.

Pawnee Rock Nursery Has Trees and plants cheaper than anybody in the same quality and size of goods. Write for prices. Pawnee Rock Nursery, Pawnee Rock, Kan.

200 Gem Everbearing \$1.20 prepaid; bear this year. Other varieties cheaper. Stults Nursery, Bristol, Indiana.

200 Dunlaps, Blakemores, Fairfax or Dorsetts delivered \$1.00. Wm. Green, Lancaster, Kan.

MACHINERY

Attention Farmers!
USED TRUCKS
At New Low Prices!

Choice stock of late model pick-ups and 1½-ton trucks. Many models. Drive in today for a real trade or write for prices. We'll save you big money on your truck this Spring.

INTERNATIONAL HARVESTER CO.
114 N. Kansas Phone 2-1156 Topeka, Kan.

Grass Silage Means 50% More Value from feed—no curing—no bad weather risks. The GEHL 3-Way Cutter cuts hay into mow, silage, home grown corn meal, phosphoric acid or molasses automatically added. Automatic molasses pump. Cut hay saves time, storage space, cattle clean it up—no waste. Investigate 3-Way Gehl. Send for free booklet. Gehl Bros. Mfg. Co., 834 Water Street, West Bend, Wis.

Get Into a Safe, Sure, Profitable year-round business with the Ford's Portable Hammermill and exclusive molasses feed impregnator. Operators make regular weekly net earnings. \$375, \$100 and more. Equipment may be purchased 25% down, balance from earnings. Write for particulars. Myers-Sherman Co., 1414 12th, Streator, Illinois.

Slack Time Prices, tractor saw rigs for wood, logs, lumber; combine canyases; raddles; rasps for rasp and tooth cylinders; builtup and hard-surfaced used rasps; V belt drives; ball-bearing sickle drivers; floating windrow pickup. Richardson, Cawker, Kan.

Hay Growers Attention—Our line of Glider sweepers built for fars, trucks and tractors will speed work and release men for National Defense. Be prepared. We sell direct. Write today for prices. Stockwell Hay Tool Company, Dept. 8, Larned, Kan.

We Have a Lot of Used, Rebuilt, shopworn tractors, combines, plows, cultivators, harrows, hay tools, grain drills, engines, grinders, potato machinery, light plants, motors. What do you need? Send for free bargain list. Green Brothers, Lawrence, Kan.

Subsurface Cultivation with shovel attachment for all makes of rod weedeers. Penetrates hard ground. Leaves stubble standing on surface. Also Lister Dammers, Basin Tillers and Feed Grinders. Miller Mfg. Co., Stratton, Nebr.

For Sale: One 10 Foot Case Combine, Model C, with Waukesha motor. Used 3 seasons, in excellent condition, shedded. Will sacrifice. For further details write, Calvert Farms, Inc., Richmond, Mo.

Richman's Hammermill—Poorman's price, \$37.50, tractor size \$48.50. Also steel grain bins. Link Mfg. Co., Fargo, North Dak.

Tractor Farmers—Send for circular on our Har-row Lifter and Cleaner. Inexpensive, practical. Britz Mfg. Co., Dover, Minn.

M-M Harvesters, Baldwins, Used Tractors, steel and rubber. M. O. Koesling, Osborne, Kan.

Gleaser, Baldwin, Minneapolis-Moline combines rebuilt. Thompson Brothers, Minneapolis, Kan.

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.

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.

MEDICAL

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

Life Begins With Good Health, then don't suffer with piles, try our inexpensive home treatment. \$1.00 per box, postpaid. Thomas Foley, distributor, Post Office Box 725, Chattanooga, Tenn.

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 Barco Remedy Co., Sidney, Ohio.

Try Orine, \$2.00. Removes earwax, noises, itching pains. Address Dr. Taylor, Ear Specialist, Cameron, Texas.

LIVESTOCK REMEDIES

Abortion Protection one calthood vaccination. Government licensed vaccine; money back guarantee. Free literature. Farmers Vaccine Supply Company, Department P, Kansas City, Mo.

NO TRESPASSING SIGNS

Stop Trespassing. Protect your farm from parties who leave open gates, destroy your crops and clutter up your place. 5 Signs 50c Postpaid. (These signs are so worded and arranged that you can cut them in half making 10 signs, if desired.) They are printed on heavy, durable cardboard, brilliant orange color, 11x14 inches. T. H. Hahn, Kansas Farmer, Topeka, Kansas.

FURS

Mink, High Quality Yakons at all times. Prices reasonable. Giant Elm Fur Farm, Lily, Wis.

DOGS

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

LAND—KANSAS

STOCK & GRAIN FARM

240 acres Neosho County, on good road 3 miles to market. 189 acres plowland, 25 a. meadow, 96 a. pasture. Good house, large barn and other buildings. Will sell on most unusual terms of \$1200 cash then \$414.21 annually including low rate of interest.

IDEAL FARM HOME

160 acres located in best farming section of Allen County, on gravel road. 110 acres cultivated, balance pasture. Good 6 room house, excellent barn, and other buildings recently repaired and painted; abundant water; electricity available; school close. \$1250 cash then \$365.50 annually including interest.

EARL C. SMITH

412 C. B. & L. Bldg. Topeka, Kan.

160 Acre Home, five miles Southwest of Haddam. The NE 1/4 13-3-1E. Eight acres alfalfa, 10 acres pasture, balance in cultivation. A good producing farm. 4 room house, barn and other buildings. Only \$1,000.00 cash for equity, and assume mortgage of \$3,700.00. The McNaughton Loan Company, Hutchinson, Kan.

280 Acres, one of the best stock and grain farms in Eastern Kansas, 20 miles East of Manhattan, near Highway 40, modern improvements, water and electricity in all buildings. 150 acres Kaw bottom, 130 acres pasture. 35 alfalfa. Excellent terms if desired. H. A. Longtin, Box 375, Emporia, 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.

80, Improved. 2 1/2 miles town. 3 alfalfa, 16 meadow, 20 hog tight. \$2,200. Terms. Possession. Write for list. Mansfield, Ottawa, Kan.

LAND—COLORADO

320 Acres—Eastern Colorado level farm land, for sale or trade by owner. Tankersley Hotel, Clay Center, Kansas.

LAND—MISCELLANEOUS

FEDERAL LAND BANK

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

Security in 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.

SALESMEN WANTED

NEW DEALERS WANTED
For Rawleigh Routes in
Kansas and nearby states

We help you get started. Good profits to willing workers. No experience needed to start. Only reliable men need apply. Write today. Rawleigh's, Dept. C-1421-KFM, Denver, Colo.

Wanted—Farm Implement and appliance sales- man with car. Must be hard worker and producer. County seat town. Jevons Implement Co., Clay Center, Kan.

HORSE TRAINING

How to Break and Train Horses—A book every farmer and horseman should have. It is free; no obligation. Simply address Beery School of Horsemanship, Dept. 433, Pleasant Hill, Ohio.

PERSONALS

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

SPARROW TRAPS

Sparrow Trap, My Homemade Trap caught 151 sparrows in 9 days. It's cheap and easy to make. Plans 10c. Sparrowman, 1715-A Lane St., Topeka, Kan.

HARNESS—FARM SUPPLIES

Send for Our Free Catalog harness, Collars, and strapwork, harvester canvas and tarpaulins. Factory prices. Nickel & Son, Spencer, South Dakota, Dept. F.

OLD MONEY WANTED

Certain Cents Worth \$750.00; Nickels \$500.00. Send 10c for 1941 interesting 36-page coin book illustrated with actual photographs. American Coins, Box 3507-W, Cleveland, Ohio.

INTEREST TO WOMEN

Perforated Quilting Patterns—ten different de- signs on heavy bond paper with directions for making your own marking powder—our quilt pattern-catalog included—all for ten cents. This special extra-value offer is made to acquaint you with Mountain Mist, the perfect quilt filling. Stearns & Foster, Dept. 422, Lockland, Ohio.

QUILT PIECES

100-20c; 200-35c; 4 pound, about 1600-\$1.00. Postpaid. Remnant Mart, West Terre Haute, Ind.

FEATHERS

Feathers Wanted: We pay the following prices for the next 60 days: White Goose 95c; Grey Goose 85c; White Duck 67c; Colored Duck 57c; Quill Goose and Duck at discount. No used feathers wanted. Remittance promptly. Progress Poultry and Feather Company, 1132 West Randolph Street, Chicago.

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

MISCELLANEOUS

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

IN THE FIELD



Jesse R. Johnson
Topeka, Kansas

ROY E. DILLARD is making ready for the big JO-MAR ANNUAL GUERNSEY SALE, to be held Wednesday, April 16. Particulars will appear in next issue of Kansas Farmer.

Fall boars that sell in the HARRY GIVENS DUROC SALE, Manhattan, are unrelated to the sows and gilts, and can be used on any of the females selling. The sale date is April 1.

E. C. LACY AND SON, of Miltonvale, report good demand and sale for Shorthorn bulls during the winter. They have only 3 head left. They have a consignment in the Wichita Association Sale, to be held at Wichita, March 26.

JOHN HARTMAN AND SON continue to breed good, correct types of registered Poland Chinas on the farm near Elmo in Dickinson county. Mr. Hartman established this herd nearly 40 years ago.

ARTHUR J. AND W. W. DOLE, Shorthorn breeders of Canton, report recent sales to Kark Lenhart, Clay Center, and Arthur Hetzke, Hesston. Good inquiry and sales have resulted from continuous advertising in Kansas Farmer.

CLARENCE MILLER, Duroc breeder of Alma, specializes in the low-set, thick, short-legged Poles. He always has a good assortment of salable stock with which to supply old, as well as new customers.

H. G. ESHELMAN, proprietor of MAPLE LEAF PERCHERON FARM at Sedgwick, writes that he has a fine lot of Percherons on hand, and will have 10 colts this spring. Mr. Eselman is about the only breeder of registered Percherons in the entire country.

A mistake was made in the last Kansas Farmer, regarding the sale of a Hampshire gilt in the Hutchinson sale. It should read W. A. BURT, of Rice, sold a choice gilt in the sale for \$56. Mr. Burt has one of the good Hampshire herds of his section of the state.

E. W. McNAGHTEN, Hutchinson, authorizes Kansas Farmer to claim May 1 as the date of his dispersal sale of Ayrshire cattle. Advertising will appear later regarding numbers and ages. The herd is headed by the good breeding bull, Woodhull Sunny King, a son of Woodhull Eleanor, by the great breeding bull, Sycamore Jim.

E. O. RASMUSSEN, of Viliets, announces a dispersion sale of registered Hereford cattle, to be held in the Farmers Sale Barn at Frankfort, April 24. The offering will consist of 70 lots, cows with calves at foot, bred cows and heifers, a choice lot of young bulls and heifers, and the herd bulls. Everything sells in nice breeding condition, Tb. and abortion tested.

HARRY H. REEVES, Milking Shorthorn breeder, says: "We have the best group of bull calves we have ever offered. Included are 2 that Mountain Reeves sired for us before he was sold. The first 4 R. M. daughters of Mountain Reeves averaged 9999 pounds of milk and 37.2 pound of fat more than did their dams. The dam of one of the young bulls has milked up to 60 pounds of milk this winter."

GROVER MEYER, efficient secretary of the KANSAS HOLSTEIN BREEDERS ASSOCIATION, owns and operates the MEYER HOLSTEIN DAIRY, Basehor. This is one of the leading dairy places of the entire country. Over a period of many years, Mr. Meyer has, by the selection of good herd bulls and a careful breeding program, built one of the high-producing Holstein herds of the state. Up to 200 head have been in milk at one time, and the number never falls below 100.

If anyone thinks good, big-producing Holsteins are not in demand, he should read the letter just received from REED'S FARM DAIRY at Lyons. Among recent sales were 2 bred heifers to Charles Filrick, of Ellsworth, and 1 to George Lowry, of Holsington. Five sons of Man-o-War have gone out to the following discriminating buyers: M. J. Heshar, Gypsum City; C. V. Peterson, Mentor; George E. Schroeder, Frederick; H. J. Anderson, Ransom; and J. W. Reed, Lyons. Ivan Fisk, of Deer Creek, Okla., took a son of the junior sire, Posh Ormsby Forbes 24th.

Forty-six buyers from 8 states absorbed the 193 head of registered Herefords sold in the HEREFORD ROUND-UP SALE, at Kansas City on March 3 and 4. C. H. Cullers, of Trenton, Mo., topped the sale when he paid \$710 for the bull, Proud Domino Aster, from the herd of Farrell Siehl, of Grinnell, Ia. Kansas buyers purchased 12 head, with Robert Kolterman, of Topeka, buying one of the top selling bulls at \$450. The bidding was active, and Col. Thompson sold the entire offering the first afternoon. The average on the entire sale was \$152. The top 50 head averaged \$248.

JAMES ARKELL, who lives out on R. 3 from Junction City, is an old-time breeder of registered Poland China hogs. I think I must have visited him more than 30 years ago. He has raised hundreds of good boars and gilts, and sold them in many parts of Kansas. His bred sows and gilts, now on hand, come from sows

PLEASED WITH ADVERTISING

WALBERT J. RAVENSTEIN, Polled Hereford breeder, of Belmont, writes as follows, "Enclosed please find check to pay for advertising in Kansas Farmer as per statement. I am well pleased with the results obtained from advertising with you. The fact that Kansas Farmer takes in such a large territory is what makes it fine for advertising livestock."

SHORTHORN CATTLE

Southern Kansas
Shorthorn Sale

11th Annual Event, Stock Yards,
Wichita, Kansas,
Wednesday, March 26
22 Bulls . . . 20 Females
From Well-Known Herds

Consignors:

Dillard H. Clark, Douglass
C. M. Cummings, Kingsdown
Dwight C. Diver, Chanute
M. V. Harshman, Clements
Walter A. Hunt, Arkansas City
M. E. King & Sons, Potwin
E. C. Lacy & Sons, Miltonvale
McAlister Bros., Kingman
John Regier & Sons, Whitewater
Rae Reusser, Wellington
L. C. Waits & Son, Cassoday
W. A. Young & Son, Clearwater
(All of Kansas) and
C. E. Dille, Pawnee, Oklahoma

Offering sired by such well-known
bulls as:

Cruickshank, Wellington, Century of Progress
Elkhorn President, Glenburn, Destiny
Divide Gold Coin, Divide, Barrister
Scotston Airman, Proud Marksman
Royal Marshall, Proud Augustus

Cattle will be judged by Dr. A. D. Webber, starting at 9:30. Don't wait to receive catalog.

Come on to sale and a catalog will be waiting there.
Hans, Regier Sec. & Sale Manager,
Whitewater, Kansas
Arthur Waits, Cassoday, President
Aucts.: Boyd Newcom, C. W. Cole
Jesse R. Johnson with Kansas Farmer

DOLES HORNS AND POLLED SHORTHORNS

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

MILKING SHORTHORN CATTLE

Milking Shorthorn Sale

Mason City, Iowa,
Saturday, April 12

Complete dispersion, 40 head of the Thorson Herd, Pigeon Falls, Wisconsin. 10 Show Cows bred, and 3 Bulls from 10,000-lb. dams, consigned by Charles M. Young, the importer, including Margaret Rose, 2nd prize cow at the Canadian National, 4 Cows, 2 Bulls from A. J. Juon, Jewell, Iowa.

For catalog, ready 10 days before the sale, write
Roy A. Cook, Sale Manager,
Independence, Iowa

Milking Shorthorn Bulls

PARKER FARM, STANLEY, KANSAS, has for sale Bulls from 2 to 10 months old, out of Record of Merit dams and sired by outstanding herd bulls. These bulls will develop into outstanding herd sires. CARL PARKER, Owner.

Milking Shorthorn Dispersal

(PRIVATE SALE)
Cows from 4 to 6 years old. Choice late spring Calves (nice reds and roans), and my 4-year-old roan Old Chief, a herd bull (Duke of Red). All priced for quick sale. J. P. MALONE, LYONS, KANSAS

POLLED SHORTHORN CATTLE

BANBURY'S where some of the best are bred and tops are purchased. One of the largest herds. J. O. BANBURY & SONS
Plevna (Reno County), Kansas

AUCTIONEERS AND SALES MANAGERS

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE
1831 First Ave. Topeka, Kan.

LIVESTOCK
CAN'T
TALK

Livestock may be ever so desirable, best of breeding and nearly perfect in conformation, but they can't talk. Their owner must do the talking. Farmers and breeders in different parts of the state want to buy them. But they can't sell themselves. The owner alone may describe and price his livestock. The buyer will pay the advertising costs—because advertised livestock is worth more, sells faster, and for better prices.

KANSAS FARMER makes a half rate for all kinds of livestock advertising. Write

Jesse R. Johnson, Manager
KANSAS FARMER
Livestock Advertising
Topeka, Kansas

purchased that carried close-up breeding of the national grand champion, Top Rowe, and his present herd boar was bred by Bauer Brothers, leading Nebraska breeders and owners of the grand champion, State Fair. Mr. Arkell knows good hogs, how to mate them properly, and how to feed for big, strong litters. He invites inspection of his herd.

The announcement on our Holstein page by C. P. R. DAIRY, Peabody, and REGIER'S DAIRY FARM, at Whitewater, tell the story of 2 herds of registered Holsteins, owned separately, by 2 brothers, Ed Regier and his brother, C. P. both built their herds from a foundation of the old G. Regier herd. G. Regier, father of the brothers, established his herd in 1911. Their herd has been on DHIA test for 13 years. Breeding stock from the original herd, or from the boys' herds, have gone to 6 different states. The highest-record cow ever developed was Regier's Woodcraft, making a record of 28,005.6 pounds of milk and 928.6 pounds fat, 365 days, official record. The Regier cattle have been shown at fairs for the last 16 years.

An opportunity to buy good, registered Jerseys presents itself in the estate sale of the late HARRY N. DENHAM JERSEY DISPERSAL, at Harrisonville, Mo., just south of Kansas City, on next Thursday, March 27. The herd was established almost a quarter of a century ago. Mrs. Denham does not wish to continue the herd management, since her husband's death last summer. This herd is a good, practical herd of registered Jerseys, and is composed of good, aged cattle. Nothing over 6 years. The herd sells in just average condition, and is not especially fitted. If you write immediately you will have time to get a catalog before the sale. If not, there will be a catalog for you sale day. Every animal that sells is registered, and Tb. and Bang's free. Fifty females and 1 bull make up the sales offerings.

Three leading WASHINGTON COUNTY HOLSTEIN BREEDERS have an announcement on our special Holstein page this week that should keep the trucks and crates traveling in that direction, even if this is the first time readers of this paper have heard the story of the great bull, Fredmar Sir Fobes Truene. His get have hardly been equaled anywhere for show-yard quality, along with heavy production. Without repeating the statements made in the advertising, it seems pertinent to inquire where and when another bull has equaled this bull in classification showing, along with butterfat records. Something like 25 of his sons are now doing service in Kansas herds. This great bull will leave behind him a record of performance calculated to make his sons and daughters much sought after as the years pass.

Speaking of what has been accomplished since the KANSAS STATE HOLSTEIN BREEDERS ASSOCIATION has been organized in the state, JAMES W. LINN, extension dairy specialist at Kansas State College, writes: "Our records show there was only one cow-testing association in 1916; that it reached the Herington area, and had been going since 1912. The bull-proving program did not start until 1926. There were 86 Holstein bulls proved in Kansas last year. The tuberculosis area-testing program started in 1924. The first individual herd test for Bang's disease was in 1929, and the first federal testing for Bang's disease on accredited herds was in 1934. Forty per cent of the cows on test in Kansas, as of January, 1941, are Holsteins. The high herd last year, in Kansas, was owned by R. L. Evans, Hutchinson, with 569 pounds of butterfat. There were 9 spring shows held last year and, as far as we know now, there will be the same number this year."

Advertising for the SOUTHERN KANSAS 11th ANNUAL SHORTHORN SALE AND SHOW did not reach us in time for publication in our last issue. It is therefore running in this issue. A little late to write for and receive catalog, so readers interested in the sale are requested to come right on to the sale and a catalog will be handed you when you arrive at the Stock Yards where the sale will be held as usual. The offering is some smaller but I understand the quality is good, and the list of consignors is something of a guarantee of the quality to expect. Twenty-two bulls and 20 females are to be sold. Ten sales of this association have preceded this, and it is hardly necessary to mention the fair treatment always accorded buyers. Hans Regier, Whitewater, continues as secretary and sale manager, and Arthur Waits, of Cassoday, is president. The judging will take place in the forenoon, starting at 9:30 o'clock. Prof. A. D. Webber, of Kansas State College, will do the judging. The date of show and sale is Wednesday, March 26.

Some men want to be president and some want to own the fastest race horse. H. A. MEIER, Holstein breeder of Abilene, never told anyone just what his goal was when he began to select breeding animals for the founding of a herd of registered cattle 5 years ago. But now his friends have a suspicion that he planned to some day own the high-butterfat herd of the state. About a year ago his herd was classified, and the cow, Bluebird Ormsby Vivian, was rated excellent, in type classification. One was classified Very Good, and 5 others Good Plus. The herd has been on DHIA test 2 full years, and is now in its third year. In 1939 the herd average was 488 pounds of fat, and for 1940 the average was 490.4 on 2-times-a-day milking, and was the highest average for the state in that class. It has been pronounced one of the outstanding records of the entire United States. The bull, Moosehead Emperor Crusader, is now heading the Meier herd. He is a son of Emperor of Moosehead, the 7 nearest dams of which average 1046.28 pounds of fat and 27,228.3 milk.

Three prominent men of Hutchinson, employing business methods, have brought to their state prominence and added materially to Holstein sentiment, by attending the big Femco sale last fall and buying the top bull at a price that looked big. But when considered from the standpoint of herd-bull economy, the price shrunk to an apparent sound investment. These men, R. L. EVANS, HOWARD J. CAREY, and CHARLES SUMMERS AND SONS, now own the outstanding Holstein bull, Femco Top Flight. He will serve about 60 cows in the 3 herds. He is all the more certain as an investment when one reads the cow records in these herds.

Mr. Evans has been in the dairy business since 1918. In 1920 he started with 7 registered Holstein heifers and the bull, Cornocopia Lad Pontiac, and has never added a female of outside breeding

AD SELLS ALL HIS BULLS

J. N. RATHBUN, Guernsey breeder, of Hoisington, writes as follows: "The advertisement in KANSAS FARMER sold all of my bulls. Many thanks."

since. This herd is now in its 20th year on DHIA test. The herd has been high herd of the state for the last 2 years. His cow was top with 838 lbs. fat in 1939. The Carey herd was established several years ago. The herd was classified last spring. The score was 2 Excellent and several Very Good. Cows in the herd have made more than 600 lbs. fat a year. Mr. Carey is happy to own a one-third interest in Femco Top Flight and expects good results from mating with his good cows.

Summers and Sons started breeding Holsteins in 1940, buying their first cows from Mr. Evans. Five of these cows, altho young, have already made yearly records of more than 430 lbs. of fat on 2-times-a-day milkings. Two cows purchased from the Jake Zarnowski herd have records of more than 700 lbs. fat. This herd has been on DHIA since it was founded and has recently gone on Herd Improvement registry. Watch the Evans, Carey and Summers herds and Femco Top Flight.

IRA ROMIG AND SONS traded their herd of registered Holsteins for \$15,817.50. The transaction was made at public auction, March 12, sale on the fair grounds, Topeka. The top bull and females stayed in Kansas and both went to Reno county. Fifteen head went to the dairy locality around Hutchinson. The buyers were Carey, Evans and Summers, T. Hobart McVay, Frank Finkelstein and W. T. McCauley. Forty-seven head stayed in Kansas, including tops on bulls and females. Buyers were present from Missouri, Oklahoma, New Mexico. The figures show a general average of almost \$200 on lots sold, and included a dozen baby calves. Bert Powell conducted the sale, assisted by Boyd Newcom and Kenneth Crews.

A list of buyers follows: Tonnes Torkelson, Everest; Frank Finkelstein, Hutchinson; C. A. Mayo, Tulsa, Okla.; Roy Koch, Bremen; Barbara Morris, Wichita; Clifford Beckwith, Leavenworth; J. M. White, Topeka; R. F. Morley, Tulsa, Okla.; H. C. Summerfield, Albuquerque, N. Mex.; T. Hobart McVay, Nickerson; Pauline Dilatash, Jonesboro, Ark.; D. B. Clark, Gallup, N. Mex.; Harry Schmidt, Topeka; L. J. Stoneback, Lawrence; J. W. Carlin, Salina; W. T. McCauley, Hutchinson; W. C. Floyd, Herington; Machin Bros., Russell; C. L. E. Edwards, Topeka; Alfred Torkelson, Horton; Quentin and Dale Kubin, McPherson; H. E. Jones, St. Joseph, Mo.; F. A. Dierking, Herkimer; J. B. Wiggins, Lawrence; Otto Kanning, Lancaster; Ben Aberle, Sabetha; Zinn Bros., Topeka; A. O. Kellengerger, Sabetha; Roy E. Freer, Valley Falls; R. L. Evans, Hutchinson; W. M. Rice, Lawrence; Robt. E. Palmer, Topeka; Nathan J. Engle, Abilene; Sherman F. Everly, Hoyt; Howard Carey, Hutchinson; and Chas. W. Summers, Hutchinson.

DUROC JERSEY HOGS

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

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

O.I.C. HOGS

Pedigreed
Bred Gilts
BLOCKY TYPE
PETERSON & SONS, OSAGE CITY, KAN.

SHEEP

KARAKUL SHEEP

The Greatest Livestock Opportunity
In America Today

A business that is sound, fully established, liquid, profitable and with the element of risk eliminated.
A complete illustrated booklet covering the Karakul sheep industry may be secured without cost by writing

WESTERN KARAKUL SHEEP
and LIVESTOCK COMPANY
Ft. Collins, Colo.

GUERNSEY CATTLE

GRADE GUERNSEY
COWS, HEIFERS

One car load of Minnesota high-grade, springy Guernsey Cows and Heifers.
E. D. HERSHBERGER, NEWTON, KAN.

BUYERS WAITING

for females and service bulls. Tell us what you have, what you want, on HOME SHOW TOUR from Northwest to Southeast of Kansas. Start MARCH 31. Send for schedule.
Milking Shorthorn Society, Hutchinson, 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.

AYRSHIRE CATTLE

AYRSHIRES

MOST PROFITABLE COWS

4% MILK
Big Milkers - Hardy Rustlers
Good Grazers - Perfect Udders
Write for Booklets
Ayrshire Breeders' Association
280 Center St., Brandon, Vt.

ANGUS CATTLE

Latzke Aberdeen Angus Farm

Some good 10-month-old Bulls at reasonable prices. Line-bred Earl Marshall breeding. The thick, low-set kind.

OSCAR C. LATZKE, JUNCTION CITY, KAN.

Dalebanks Aberdeen Angus Farm

Bulls and Heifers of choice breeding and type. From a herd whose culls consistently top best markets.
E. L. BARRIER, EUREKA, KAN.

POLAND CHINA HOGS

BRED GILTS AND BOARS

Gilts bred for March and April farrow. Top Rowe and other good strains. The big, smooth, easy-feeding type. Herd established 30 years. No culls offered.
JAMES ARKELL, R. 3, Junction City, Kansas

Poland China Fall Boars

September and October boars, sired by K's Mischief Mixer. Priced reasonable.
I. E. KNOX, HUNNEWELL, KAN.

JO-MAR FARMS

Fifth Annual Sale of

PUREBRED GUERNSEYS

Wednesday, April 16

Watch April 5 issue of KANSAS FARMER
for detailed information.

JO-MAR FARMS, Roy E. Dillard, Mgr., Salina, Kan.

60 REGISTERED
DUROCS

Bred and Fed for
Uniformity

TUESDAY, APRIL 1, 1941

On Highway 24 Just West of Manhattan

30 Sows and Gilts, bred to a great son of LEADER WONDER 2nd. Offering sired mostly by TIMES ERA (by Times Gazette) on a PRINCE ORION 1st foundation.

25 Gilts ready to breed, some bred by sale day. 1 Herd Boar. 6 Fall Boars, not related to sows.

Among the real attractions will be 9 head sired by IOWA MASTER. Everything immune. Also 10 Dairy Cows. For catalog address

Harry Givens (Owner), Manhattan, Kan.

Auctioneers: Jas. T. McCulloch and Lawrence Welter



KANSAS HOLSTEIN BREEDERS' ASSOCIATION

25th Anniversary Celebration

Herington, Kansas, Thursday, April 3, 1941

Washington County Features

Fredmar Sir Fobes Triune (513 Lbs. Fat Index)

Kansas' Greatest Living Proven Sire

A truly sensational proven sire in D.H.I.A., show ring, and herd classification. His daughters consistently make from 400 to 800 lbs. of fat per year. His get of sire have been undefeated in Kansas and Oklahoma state fairs during recent years. Every daughter except one has classified Excellent, very good or good plus, and that one was classified Good. There has been no fair or poor ones. He has more daughters classified Excellent than any Kansas sire, dead or alive. His sons or grandsons always for sale by the following Washington County Breeders:

Melerkord Holstein Farm Linn, Kansas

Henry Hatesohl & Son
Greenleaf, Kansas

Mike J. Schroll
Greenleaf, Kansas

Holstein Cattle March On



R. L. Evans

Here comes the black and white streamlined cow. Measured by the D.H.I.A. yardstick, she has taken her place among the most important factors in the economy of Kansas agriculture. Her proving ground extends from the rich farm lands near the large towns and cities, across the Kansas prairies and into the dust bowl, home of the trench silo and grain sorghums.

Her sons find new homes on the farms of the state, and grade herds show increased production from year to year.

Co-operative creameries and cheese factories follow in her wake, communities thrive and farm mortgage foreclosures decrease, the soil is enriched, better farm buildings erected and a better way of life is ushered in.

When the Kansas Holstein Breeders' Association was organized twenty-five years ago, there were no cow testing associations in Kansas, no proven bulls and no organized health regulations for dairy cattle.

Of the 34 dairy herds which have been on test from 10 to 24 years, 14 are Holsteins. Holsteins hold the milk and butterfat records for Kansas and lead all other breeds in numbers. The association now has 365 members, contributes cash and ribbons to state and district shows and 4-H Clubs, and in other ways serves its members and others in the breeding and distributing of better Holsteins.

R. L. EVANS
President
HUTCHINSON, KANSAS

H. G. MEYER
Secretary-Treasurer
BASEHOR, KANSAS



H. G. Meyer

Brown & Nemaha HOLSTEINS For High Production

The following five herds have been under continuous D.H.I.A. testing for over 11 years.

Last year's average two-time milking: 79 cows, 11,304 milk, 3.79%, 429.4 fat.

Harvey Bechtelheimer
Sabetha
Mrs. H. D. Burger & Son
Seneca
Emil Menold
Sabetha
L. B. Strahm
Sabetha
T. Torkelson & Sons
Everest

Where else can you get such high production? Come to Brown and Nemaha counties for good Holsteins. The Home of the largest Co-operative Creamery in Kansas.

Congratulations, KANSAS HOLSTEIN BREEDERS ASSN.

To the founders of the Kansas Holstein Breeders Assn., and to Dr. Mott, Ira Romig, Geo. Appleman, Mark Abbigliard, Chas. Stevens, Ross Gosney, the Highs, Goodins, Bradfields, Mollhagens, Schroeders, Geo. Worth and many others who have pioneered the Holstein Cow in Kansas; we dedicate this space.

Average cows are more important than spectacular cows, but when spectacular cows come from proven cow families, then they must be regarded as the finished product—seed stock. Thus, we put our faith in



Macksimum Skylark Tad 801620

—whose dam was our great proven brood cow, Walker Bess Segis 885569—966 fat, 3.7%. On Tad's daughters we will use Femco Calamity Posch Pride 797418, whose granddams are Carnation Ormsby Butter King and Wisconsin Pride 2nd, two of the most famous cows of all time.

We purchased Pride because of his proven cow family ancestry.

MACKSIMUM FARMS
T. HOBART McVAY
Nickerson, Kansas
(Reno County)

West Central Kansas Holstein Breeders Association

—wants to help in improving Dairy herds of the state. The best way is to visit our farms and spring shows. See our district herd at State fair.

President, W. L. Reed, Kanopolis,
H. J. Carey, Sec.-Treas., Hutchinson
T. Hobart, McVay, State Director

Please Mention Kansas Farmer
When Writing to Advertisers

FEMCO TOP FLIGHT

797414



3 nearest dams av. fat, 1200.26 lbs.; milk, 34516.6 lbs. 6 nearest yearly-tested dams av. fat, 1137.72 lbs.; milk, 31834.4 lbs.

This bull is being mated to cows with the following 2 and 3 times milking records:

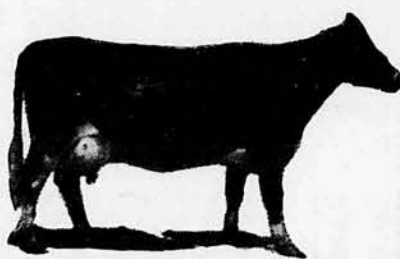
- 1 cow between 800 and 900 pounds fat
- 3 cows between 700 and 800 pounds fat
- 2 cows between 600 and 700 pounds fat
- 2 cows between 500 and 600 pounds fat
- 9 cows between 400 and 500 pounds fat

Owners

HOWARD J. CAREY
CHAS. SUMMERS & SONS
Hutchinson, Kansas

R. L. EVANS

The Meier Holstein Herd



BLUEBIRD ORMSBY VIVIAN

H. A. MEIER, ABILENE, KAN.

—was the high herd (on two-day milkings) for Kansas as announced by officials of the Dairy Herd Improvement Association for the year of 1940. Average pounds of milk, 12,755—butterfat, 490.4. This production has never been exceeded in but one herd in the state, and is one of the outstanding herd averages of the nation for 1940.

Bluebird Ormsby Vivian

—whose cut is shown, produced 14,441 pounds of milk and 628.9 fat during the year. (Only 38 lbs. of fat less than the state record for that class.) This cow has been rated excellent in type classification. Bulls from 3 to 6 months old for sale.

Line-Bred SIR INKA HOLSTEINS

In service ELGIN ORMSBY ROYAL (7 nearest dams average 1,221 butter and 2,640 milk). His dam at 2½ years has record of 615 butter and 14,139 milk. Sir Inka May breeding. Following two great sires of same breeding. Herd on test for 15 years. Herd yearly high average almost 600 lbs. fat. Entire herd for sale (five mature cows, herd bull and heifers).

A. F. MILLER
Haven (Reno County) Kansas

St. Mary's Holsteins Have Kept Pace With the Best

Years of satisfactory records—cows in herd have produced up to 100,000 lbs. of milk. Bulls in service: Carnation Apex (38 half-sisters with average 2-year-old yearly records of 610 fat and 1,657 milk); Pabst Belmont Sensation (from the highest-testing family ever developed at Pabst Farm); St. Mary's Inka (grand champion Kansas and other state fairs). We offer a dozen bred cows and as many bulls from calves to breeding age, out of our best cows. This is being done to reduce size of herd.

St. Mary's College, St. Marys, Kan.

Zarnowski's High-Producing HOLSTEINS

Pontiac Beauty-record for one year, 808.8 fat, 22,228 lbs. milk. Average for two successive years, 767.5 fat and 21,272 milk. Yearly herd average 1940—459.8 fat, 12,354 milk (44 head, two times per day milking). A son of King Piebe Bess Jewell in service. Young bulls for sale.

JAKE ZARNOWSKI
Newton, Kansas
(Farm Adjoins Town)

Holstein Bulls For Sale

6 to 12 months old, out of 500-lb. cows. Herd bull now in service, MEIERKORD BILLY TRIUNE (double grandson of Sir Billy Dekol Jennie). Dam has a 3-year-old record of 555.40 fat in 321 days, classified excellent. This bull is assisted by Regier's Tritomic's Lad, partly proven and Junior Champion bull calf Kansas State Fair 1939. McBess Ormsby Woldrof, the dam, has 7 daughters in the herd making good records. Her sister has three records averaging 531 lbs. fat. Herds accredited and negative.

C.P.R. DAIRY, Peabody, Kan.
REGIER DAIRY FARM,
Whitewater, Kan.

Compliments of the Meyer Holstein Dairy Basehor, 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 rates.

JERSEY CATTLE

51 Registered Jerseys

AT AUCTION

A complete dispersal of the late Harry N. Denham herd established 23 years ago. Sale held at the Denham dairy farm on Highway No. 2 at the Southeast edge of

Harrisonville, Mo.,

Thursday, March 27

(Harrisonville is just south of Kansas City on Highway 71)

50 FEMALES . . 1 HERD BULL

26 Cows, none over 6 years, nearly all in production now. Several due soon and several just fresh.

10 Bred Heifers, 5 Open Yearling Heifers, 9 Heifers Under 12 Months.

Entire offering sired by 3 bulls, Longview Majesty 333549, Sultan Fern Laddie 258612 and Raleigh Chief Orlando 367173.

The big per cent of the offering is sired by Raleigh Chief Orlando, who sells in this sale. The cows are bred to him. Everything registered and Td. and Bang's tested.

Write for catalog to

MRS. HARRY N. DENHAM

Administratrix

Harrisonville, Missouri

Auctioneer: Bert Powell

(NOTE: The Denham dairy farm of 73 acres is for sale, lease or rent.)

OCTOBER 6, 1941

has already been marked down on several hundred calendars throughout the country. It's Rotherwood's first great offering of Silver and Gold Medal Jersey cows, and their little boys and girls.

A. LEWIS OSWALD, Rotherwood Jerseys
HUTCHINSON, KANSAS

JERSEY BULLS FOR SALE

Serviceable ages. Good quality and bloodlines but not registered. Priced reasonable. Bang's and Td. tested.

MRS. JOHN POOLE, R. 2, Manhattan, Kan.

Young Registered Jersey Cows

For sale. Best of type and breeding. Also 4-H Club Heifers of high quality. Disease free. Reasonable prices.

ROY GILLILAND, HOLTON, KANSAS

THONYMA JERSEYS

We offer a 9-month-old grandson of ROYAL MARY'S DESIGN. Nice type and priced right.

REED'S FARM DAIRY, LYONS, KANSAS

HOLSTEIN CATTLE

Pottawatomie County HOLSTEINS

150 Head on Two Farms—60 Females

Sir Billy DeKol in service (30 of his daughters now in herd). Remember, he was grand champion of Kansas in '36, '37 and '39. 2 grandsons of Sir Anka May sired as herd headers. Also another bull whose dam was an 840-lb. daughter of Sir Anka May. Both herds on D.H.I.A. test. Bulls from calves to 14 months old, sired by the proven sire Billy. Herd inspection invited.

PHILLIPS BROS.

Manhattan, Kansas

(10 Miles North of Town)

Holstein Cows For Sale

Want to sell my entire herd of high-producing, registered Cows. Best of bloodlines, with type to match. We have one of the old established herds in the state. Write for description, prices, etc.

R. B. GOSNEY

Mulvane - Kansas

Be seeing you at the big 25th Anniversary Celebration.

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.

HEREFORD CATTLE

HEREFORD BULL FOR SALE

Good registered Hereford Bull 14 months old, DOMINO BREEDING. Come and see him.

PHILIP MALONE, Chase (Rice Co.), Kan.

Walnut Valley Hereford Ranch

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

LEON A. WAITE & SONS, WINFIELD, KAN.

POLLED HEREFORD CATTLE

Registered Polled Herefords

CAR LOADS

To reduce herd Bulls and Females.

ISAAC RIFFEL & SONS, Woodbine, Kansas

HARRY and MANUEL RIFFEL, Hope, Kansas

RED POLLED CATTLE

Registered Red Polled Bulls

Choice Bull Calves of serviceable age and size. Also cows with calves at foot. Good breeding and type.

O. A. DISNEY, SEDAN, KAN.

Public Sales of Livestock

Hereford Cattle

April 9—Northwestern Colorado Hereford Association, Wray, Colo. H. V. Kitzmiller, Sales Manager.

April 21—C-K Ranch, Brookville.

April 22—Northwest Kansas Hereford Breeders' Sale, Atwood. Sales manager, H. A. Rogers, Atwood.

April 24—E. O. Rasmussen, Vilets, sale at Frankfort.

May 31—Bone Stock Farms, Parker, S. D.

Aberdeen Angus Cattle

March 26-27—Nebraska Sale and Show, Columbus, Neb. M. J. Krotz, Sales Manager, Odell, Neb.

April 3—Lonjac Farm Dispersal Sale, Lees Summit, Mo. J. D. Hooten, Manager, Lees Summit, Mo.

April 26—Nodaway County Aberdeen Angus Breeders' Association, Maryville, Mo. Hal T. Hooker, Secretary-Treasurer, Maryville, Mo.

Ayrshire Cattle

May 1—E. W. McNaghten, Hutchinson.

Shorthorn Cattle

March 26—Shorthorn Kansas Shorthorn Breeders, Wichita. Hans Regier, Whitewater, sale manager.

May 14—Sni-A-Bar Farm, Grain Valley, Mo.

Milking Shorthorns

March 26—Special Sale, Iowa-Nebraska Sale yards, Council Bluffs, Ia. H. C. McKelvie, Manager.

Guernsey Cattle

April 16—Jo-Mar Farm, Salina.

Jersey Cattle

March 27—Mrs. Harry A. Denham Dispersal, Harrisonville, Mo.

October 6—Rotherwood Jersey Farm, Hutchinson.

Duroc Hogs

April 1—Harry Given, Manhattan.

Since the death of the senior member of the firm of LATZKE AND SON, Aberdeen Angus breeders of Junction City, no changes have been made in the program so successfully carried out by father and son. Oscar has had the counsel of an earnest and capable father during the years, and has really grown up in the business. As planned, some time ago, a little new blood was to be brought into the herd. So the young bull, Elia Jule 2nd, was purchased. This bull is of Earl Marshall breeding on sire's side and 60 per cent imported breeding on his dam's side. The other 2 present herd bulls, Black Marshall 60th and Proud Con K., are both line-bred Earl Marshall bulls of unusual quality. In fact, but one bull has ever been used since the herd was founded that was not of Earl Marshall breeding. Mr. Latzke reports good demand; he has started 4 new herds during the year, and sold around 20 young bulls, all of them in Kansas, but, gradually, buyers come from more distant parts of the state. This year several were placed in Southeastern Kansas. The females now number about 85, old enough to breed. The high quality of Latzke Aberdeen Angus cattle is coming to be known better each year.

Attention is called to the S. W. "WES" TILLEY HEREFORD DISPERSION, to be held on the old Tilley farm in Marshall county, Saturday, April 5. Mr. Tilley passed away recently, after having lived at his present location 72 years, almost 50 of them devoted to the business of breeding registered Hereford cattle. Every animal in the sale was bred by Mr. Tilley, and all of them trace to 2 great bulls, used in the herd several years ago. Old timers will recall Mr. Tilley's bulls, Letham Fairfax, bred by Warren T. McCray, and Woodford Lad, bred by E. H. Taylor, Woodford Lad was a son of the noted bull, Woodford, and his dam was a daughter of Old Disturber. Letham Fairfax was a son of the noted Perfection Fairfax, and his dam was a granddaughter of Disturber. This great pair of bulls did much to fix the type of the Tilley herd. Mr. Tilley was a faithful advocate of better bulls, and his early ventures, altho not always profitable to him, did much to improve the quality of beef cattle in his own and other states. Forty years ago Mr. Tilley's locality was referred to as the Herefordshire of Kansas. There were more good Herefords in Marshall county at that time than in any other county in the state. For catalog of this sale, write LaVerne or M. W. Tilley, Frankfort.

Only in a complete dispersal sale will you find such registered Aberdeen Angus as you will find in the LONJAC ABERDEEN ANGUS DISPERSION SALE, at Lees Summit, Mo., near Kansas City, on Thursday, April 3. Space will not permit a detailed description of this important sales offering, but when 200 lots sell of the breed's best bloodlines, backed up by individual merits as well, there cannot help but be cattle to suit the needs of every prospective purchaser. The recent death of O. K. Malkow makes this sale necessary. The progress this herd has made, under his ownership and the capable management of J. D. Hooten, is measured by what was accomplished at Lonjac Farm. This accomplishment has seldom been equaled by any herd, to our knowledge. One outstanding sire after another has been used, the females retained, and more top sires added. Just a short time before Mr. Malkow's death he purchased the entire herd of Don Head, of Richmond Hill, Ontario, Canada. The foundation females and herd bulls came from the best herds in Scotland. It was this particular blood that Lonjac Farm was seeking, to make continued improvement in their herd. Now, both these good herds sell in one big dispersal. The catalog gives the detailed information. Write J. D. Hooten, the farm manager, for one. His address is Lees Summit, Mo.

KANSAS FARMER

Publication Dates, 1941

March	8-22
April	5-19
May	3-17-31
June	14-28
July	12-26
August	6-23
September	4-18
October	1-15-29
November	6-23
December	13-27

Advertising

To insure being run in any issue, copy should be in our office one week in advance of any date given above.

TILLEY ESTATE Hereford Dispersal

SATURDAY,

APRIL 5

On the Farm Between Irving and Frankfort, Kansas

45 HEAD

comprising

WOODFORD LAD

21 mature cows, bred or with calves at foot sale day.

5 two-year-old heifers (some of them bred).

7 yearling bulls, and the herd bull.

8 yearling heifers.

The younger cattle all sired by the present herd bull, LINDY KING 27th, 2625258, son of Lindy Fairfax.

Every animal selling was bred on the farm, and every one of them close up in or carrying the breeding of the great sires WOODFORD LAD (son of WOODFORD 500000) or LETHAM FAIRFAX 414471 (son of Perfection Fairfax 17967).

Herd established nearly 50 years. Cattle from this herd have been sold in 40 states. Td. and abortion free. For catalog address

LaVerne or M. W. Tilley, Adms., Frankfort, Kansas

Auctioneers: Jas. T. McCulloch, Art Blackney Jesse R. Johnson with Kansas Farmer

Northeastern Colorado Hereford Sale

Wray, Colorado, Wednesday, April 9

55 head of quality Herefords at auction, comprising 31 coming-2-year-old Bulls, 25 Bull Calves and 4 Females. The offering has been selected from 12 leading herds of the territory.

CONSIGNORS

Ray Seadorf, Yuma
Chas. Halsey, Akron
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Until Dinner Is Ready—

Lard: The new definition for lard, authorized by federal regulations, is this: The fat rendered from fresh, clean, sound, fatty tissues from hogs in good health at the time of slaughter, with or without lard stearin or hardened lard. These tissues do not include bones, detached skin, head fat, ears, tails, organs, windpipes, scrap fat, skimmings, settlings, pressings, and the like, and are reasonably free from muscle tissue and blood. The ruling adds that fat, other than lard, will be known as rendered pork fat.

Cows Right-Handed?: Many a novice has had his pail kicked over for trying to milk a cow from the left side. Is there any scientific reason why a cow should be milked from the right? A New York dairy specialist says not. The dairyman milks on the right most often, and bossy frequently resents a change to the left. It is just habit, he says. Now you might ask horsemen why horses are mounted from the left side.

Crypt of Civilization: A complete cross-section of civilization is being deposited in a vault by Dr. Thornwell Jacobs, of Oglethorpe University, to be opened in 8111 A. D.—6,173 years from today. Into the time-defying crypt have gone, among other things, especially prepared records and sound film preserving the voices of Roosevelt, Mussolini, Hitler, Stalin, Bing Crosby, the Marx Brothers and Popeye!

Wants Live Wire: Officials of the General Electric Company were stumped recently. From a little girl in New York came a postcard which read: "Will you kindly send me a little sample of electricity if you can spare it. We are studying about it in geography."

Sugar Cure: When his cows "get off feed" during the first days of warm summer weather, H. A. Sherman, Iowa Falls, Ia., pulls out a bag of brown sugar and sprinkles a handful over the grain ration of each cow. After 2 weeks the cows' appetites become voracious again.

Gutted Valley: Years ago the fertile irrigated valley of Mesopotamia supported between 30 million and 50 million people. Today the eroded lands of the same region provide a living to scarcely 5 million people.

Beetle Killers: Bacteria have been found that live in the soil and infect and kill the grubs of the Japanese beetle before they emerge from the ground to destroy growing crops.

Cheating Cheddar: Cheddar cheese was named for the village of Cheddar in England, but today more Cheddar cheese is made in Wisconsin than in the whole of Great Britain.

Lilies from Japan: Florists thruout the United States have been importing around \$3,000,000 worth of Easter lily bulbs from Japan.



"He's so doggone confident, he's handicapping himself!"

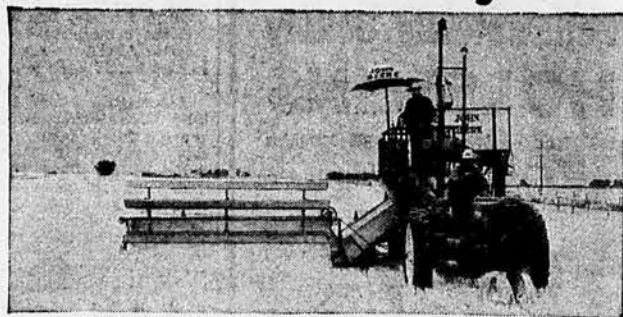
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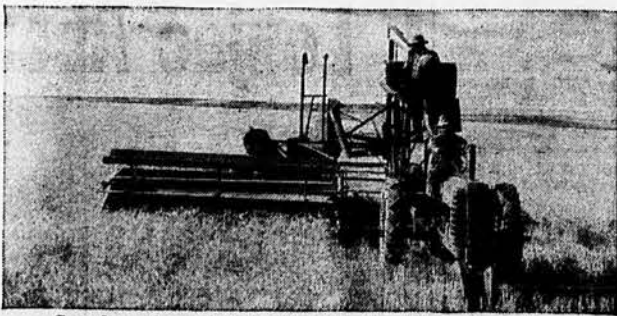
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