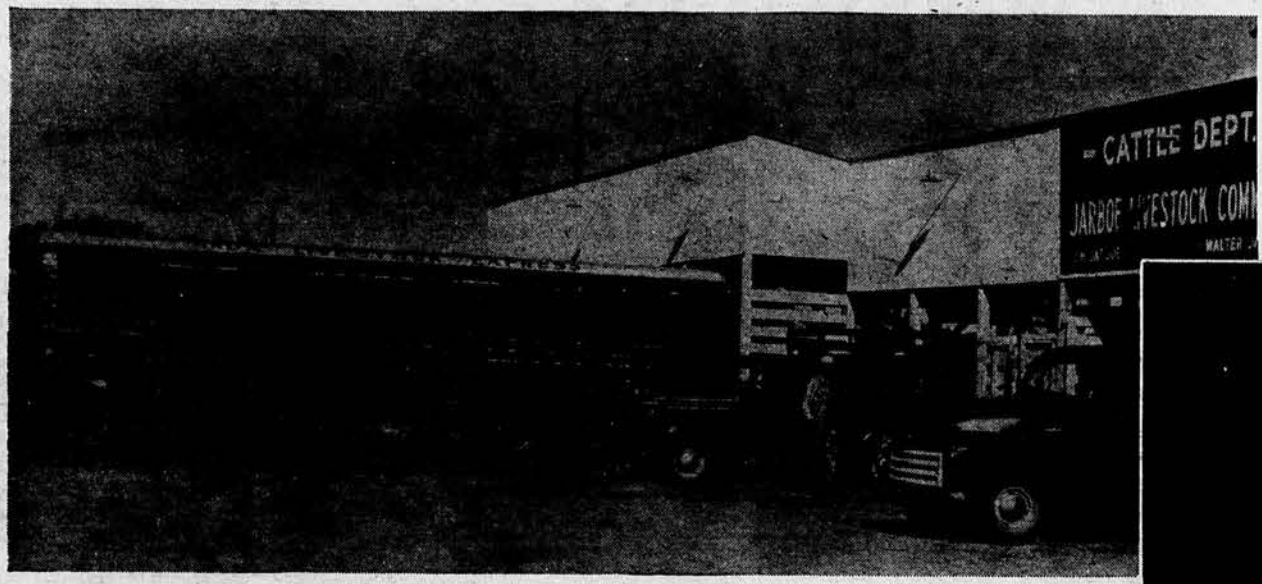
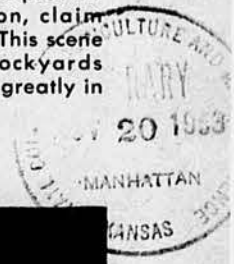


Kansas Farmer

v. 90: 22



A FARMER CAN pick his market when trucks provide the transportation, claim trucking officials. This scene at a Kansas stockyards shows loads vary greatly in size.



Trucks Put Every Farm Right at Market Doors

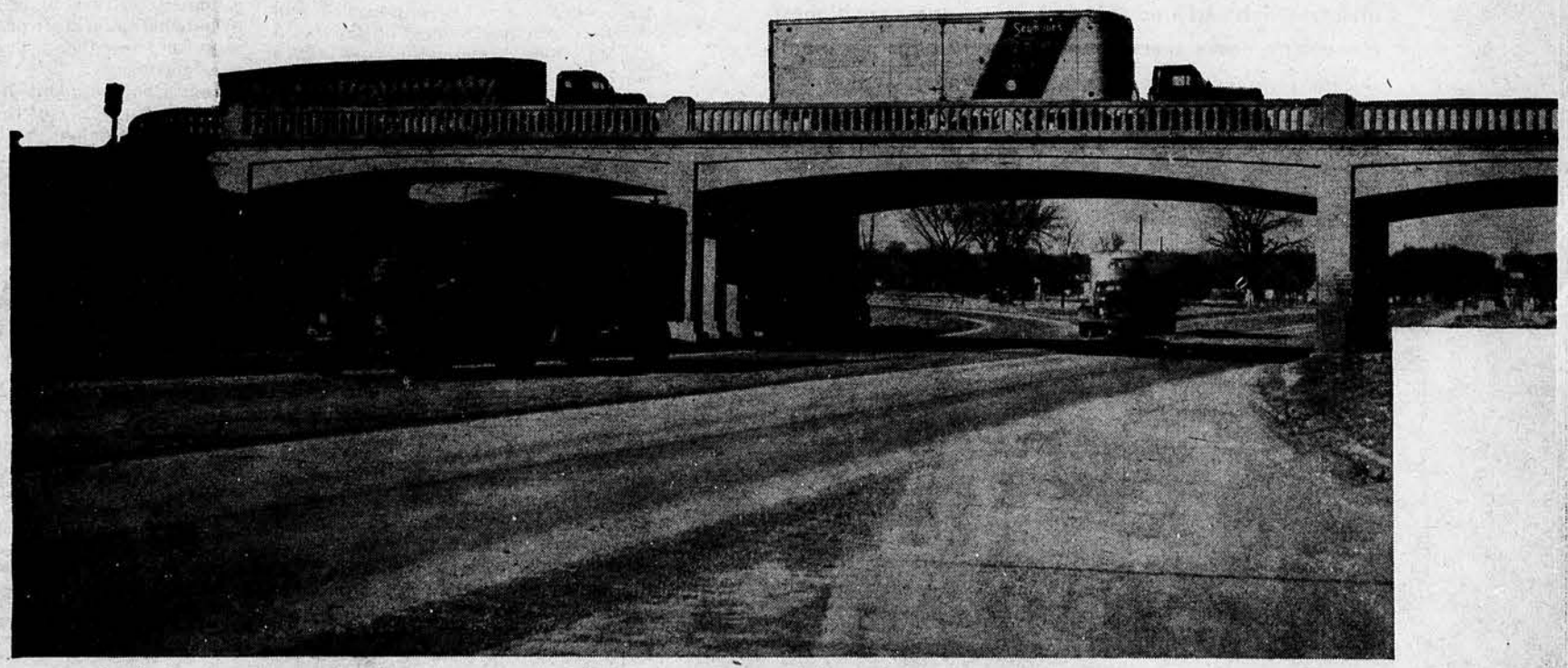
A BIG RED cattle truck backs up to your chute. Top market steers are expertly loaded into the waiting van, and soon more Kansas farm wealth is on its way from your farm door to the market of your choice.

A far cry from the dusty, bawling, tediously-slow cattle drives that once confronted the cattleman when his stock was ready to market. Today's truck transportation has made possible a revolution in farming that promises an even [Continued on Page 16]



A RECIPROCITY Commission now represents Kansas in entering truck tax agreements with other states. Here, Governor Edward F. Arn is seen signing the bill creating the commission.

TRUCKS NOW MOVE 89 per cent of all farm products to market, says Mary Turkington, editor of the Kansas Transporter. A total of 417 Kansas communities are entirely dependent on trucks for supplies.



- Doubled, Tripled Yields Page 4
- Better Cattle, Hog Gains Page 8
- Should I Store or Feed My Corn? Pages 6 and 28

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WHEN PRICES ARE BEST"**

"These Leghorn pullets are typical of flocks raised at the Dannen Research Farm. Following the Dannen Poultry Program our pullets develop into large, rugged birds which maintain high egg production when egg prices are highest. Many farm flocks average only 11 or 12 eggs per month during October, November and December. Leghorns at the Dannen Research Farm have averaged 21-22 eggs per month which is an extra 9 to 10 eggs per month profit."



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See your local
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Morton County: Last spring several farmers here tried deep plowing on sandy land. Before PMA approval, a soils technician examined subsoil to find out whether a layer of heavier subsoil was underlying the land at a depth of 18 to 24 inches.

Acres that were deep plowed varied from 40 to 200. Farmers were doubtful about merits of deep plowing until midsummer. At that time it began to be evident crops planted on deep-plowed land were darker and greener in color and were standing dry weather better. In some cases, crop on deep-plowed land was planted too thick but even then stood moderate drouth better than on unplowed land.

In some cases, tonnage gives promise of being twice as much on deep-plowed land. With another good rain deep-plowed land would have made a yield similar to first or second sod.

A number of farmers are planning to deep plow some of their land for next year's crop.

Elk County: Earl Perkins, Howard, comments, "I've combined my alfalfa seed for years by windrowing it, but seed never made me more than 5 bushels per acre." This year, by aerial spraying with alfalfa defoliant, alfalfa stands yielded more than 7 bushels per acre—50 pounds more seed. At 30 cents per pound this netted Mr. Perkins \$45 an acre. It cost \$5 an acre to spray, so net profit was about \$40.

Elk County: George Criger, Howard, showed during September how his 100-bird poultry flock netted him \$23.37 above feed cost. He received 39 cents a dozen for eggs which cost 21½ cents a dozen to produce. During September each of the 100 birds averaged 21.2 eggs.

Elk County: "Defoliation of my alfalfa field this year was really what made the difference," said Glen Perkins, Howard, when his 18 acres of alfalfa netted him about \$2,400. Yield was one-half to two-thirds more seed than normally, when windrowed and combined. Those 18 acres of defoliated alfalfa yielded 5,600 pounds of cleaned seed with average of 5.3 bushels an acre. More moisture during the growing season would have made yield much higher, Mr. Perkins says.

Hamilton County: Harold Payne, Syracuse, recently installed a sprinkler irrigation system on a quarter section in Bear Creek township.

Hamilton County: Henry Miller, Kendall, has completed a new dairy barn and began selling grade-A milk the last of September.

Win Scholarships

Winners of four \$1,000 milling scholarships to Kansas State College are announced: L. Neal Atkinson, Rt. 4, Winfield; Roger K. Bishop, Manhattan; Bert L. Curry, Prescott, and Richard R. Robertson, Ewing, Ind., receive them.

The awards were set up in 1949, by the Fulton Bag and Cotton Mills, Atlanta, Ga., to give \$250 a year each to 4 milling students for 4 years to aid them in studying milling technology.

Wins Scholarship

Winner of the 1953 college scholarship of \$100, given by the Kansas Turkey Federation, is Melva Beat, Wellington. The award is given annually to the state 4-H turkey project award

winner. She has been a member of Clippers 4-H Club in Sumner county has completed 3 years of turkey projects including more than 600 birds. She has won awards for dressed turkey state and national shows, has been member of county poultry judge teams.

Gift to KSC Made By Casement Heirs

Heirs of the late Dan Casement, prominent stockman of Riley county, have given many historically-valuable papers to Kansas State College. The gift includes books, letters, manuscripts and other items. The collection will be on permanent display in the animal husbandry building, to be constructed in the near future.

State Grange Makes Appointments

Named to state leadership in Kansas State Grange at a meeting Independence, October 28, were the new state deputies: Harley Durye Longton; Willis Wilcox, Blue Mound; Leonard Enright, Gardiner; Hall H. Gler, Deerfield, and Marlin Steff Ozawkie.

J. H. Foltz, Wakarusa, was re-elected to the executive committee of the State Grange. These 3 men were named outstanding county deputies: Cecil Tro Pleasanton; Cecil Redenbaugh, Burlington; and B. L. Phillips, Altamont. They won, respectively, prizes of \$15 and \$10.

Choose Kansans

Three Kansas State College students are among the judges named for the International Live Stock Exposition at Chicago, November 27 to December 5.

Dr. A. D. Weber, dean of the School of Agriculture and Director of the Experiment Station, again will pick grand champion steer of the 1953 show, on December 2. The event is televised nationally.

Don Good, student livestock teacher and member of the animal husbandry department, will judge Aberdeen-Angus cattle. Rufus F. Cox, head of the animal husbandry department, will judge carlot sheep entries.

KANSAS FARMER

Continuing Mail & Breeze

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A FORMER WORN-OUT farm is now producing corn yields running as high as 100 bushels an acre for Carl Miller, Pottawatomie county farmer, shown here examining his 1953 crop with Calvin Orr, county agent.



A GOOD STAND of sweet clover was obtained Mr. Miller this fall despite dry weather. He is rotating crops so no one crop will be grown more than two years in succession on the same land.

1-DOUBLED PASTURE CAPACITY! 2-TRIPLED GRAIN YIELDS!

By DICK MANN

That's what happened on the farm Carl Miller took over 13 years ago in Pottawatomie county—and here is how he managed

THIRTEEN years of constant progress on a proper land use program have made it possible for Carl Miller, Pottawatomie county, to double livestock carrying capacity of pastures and triple grain production per acre.

The first 840 acres of the Miller farm were purchased in 1939 and a second 400-acre farm was added in 1948. Of the original 840 acres when purchased, 800 acres were in cropland. "It was rented land and had been for many years," says Mr. Miller, "which means everything had been taken off and nothing put back."

Of the 400 acres purchased later, 200 acres were in cropland, 40 acres were wasteland, and the rest native pasture. About 30 acres of wasteland were recovered thru seeding to alfalfa-brome. Balance of wasteland was drained and returned to crop production.

Today, out of the total 1,240 acres in the farm, only 300 acres are in cropland. All the rest is in brome, alfalfa, combinations of brome-alfalfa, lespedeza and native pasture.

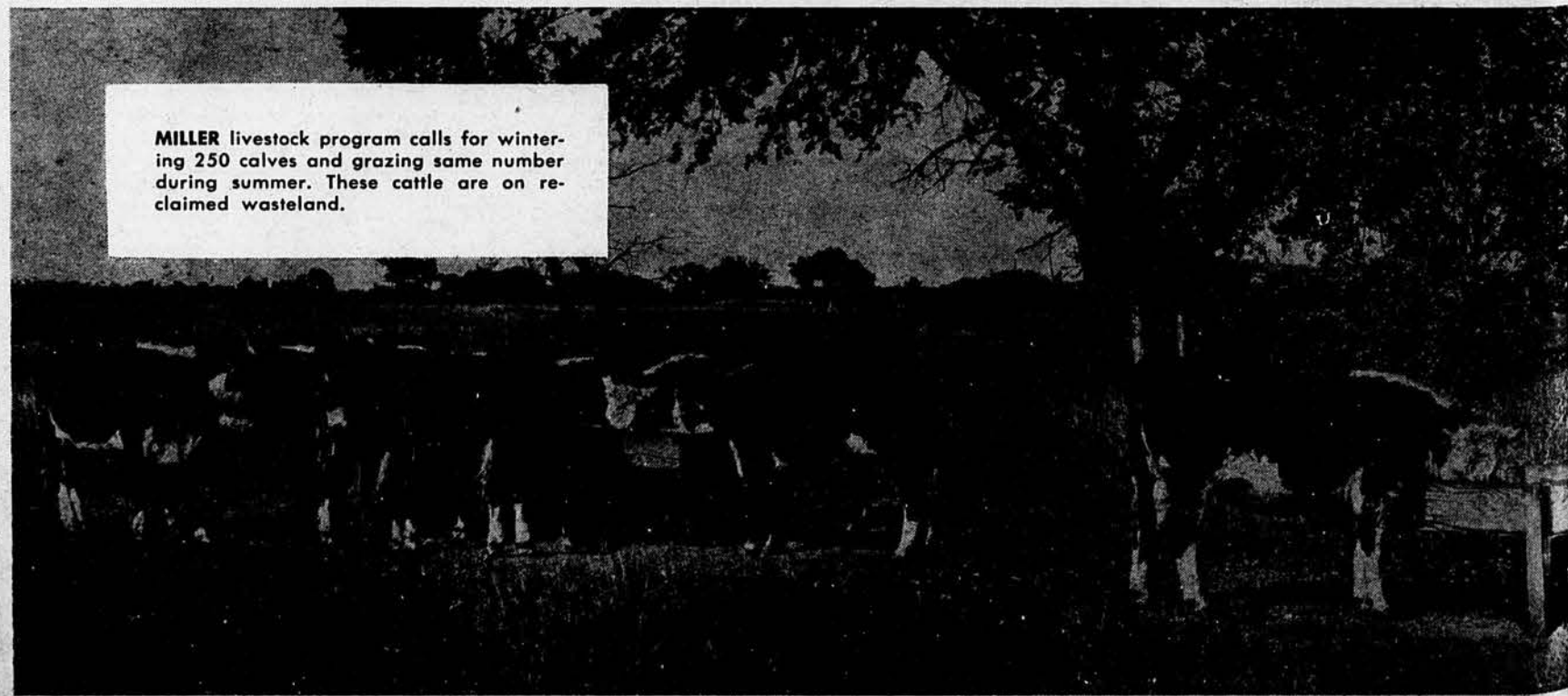
Mr. Miller chuckles now when he recalls what the farm was like when he and Mrs. Miller moved onto it in 1940, but it wasn't funny then. "The wheat that year," he says, "made only 13 bushels an acre. Pastures were mostly sunflowers, sumac and buckbrush. Most of the fences were down, we hauled 6 loads of trash out of the yard, and the house was so infested with rats they sounded like horses during the night. Because of bad fences and a water prob-

lem we did not move our cattle to the farm the first year. Our timber was in bad condition since the 1934 drouth had killed many of the trees. In general, the entire farm was one big mess. Here are some of the improvements made on the farm over the years:

1. Pastures were mowed and seeded to native grasses, with good stands of big and little bluestem being obtained. In late years a spray program for pastures was added with the result that most of the grassland is now free of sunflowers and buckbrush. Stumps of trees cut down, were treated for sprouting with good success.

2. All old fencing was torn down and most of it replaced with new fencing, which was completely rearranged. [Continued on Page 5]

MILLER livestock program calls for wintering 250 calves and grazing same number during summer. These cattle are on reclaimed wasteland.



Kansas Farmer

News and Comment

What Do You Think?

NEW FARM program will be presented to Congress sometime after the first of the year. A new one is needed, according to Secretary of Agriculture Ezra Taft Benson, because present farm programs are inadequate. In his words they are inadequate because they do not find markets to put products into use at fair prices; they do not permit desirable adjustments to take place in our farm economy which will place the farmer on a sounder footing; they fail to provide sufficient incentive for self-initiative and self-help upon the part of the grower, the handler, the processor, and the distributor; they do not encourage the best use of our agricultural resources; at times they price such commodities as wheat and cotton out of world markets, and dairy and other products out of domestic markets; they tend to hold a price umbrella over synthetic and substitute products which in turn take over our farm markets.

Those six shortcomings mentioned by Secretary Benson certainly should indicate the kind of farm program he will have to offer early next year. As guides in making up future farm policies he believes: The program must provide for a constantly improved economy; it must fully protect the farmers' freedom of choice and his interests; it must be in the public interest; it must be financially practical; it must be geared for use rather than storage—build, not destroy markets; it must solve problems, not create them; it must square with American principles. Another measure of Secretary Benson's thinking is given in a recent speech he made. Our economy must remain free, for in our free enterprise system lies the basic economic strength of the American people.

"In recent years our thinking people have become more and more concerned about the rapid trend toward Government ownership. It is generally agreed there is danger in undue concentration of power in the Federal Government. Too many Americans are calling on Washington to do for them what they should be willing to do for themselves.

"It is an old American principle that we should leave to private enterprise the jobs private enterprise is able and willing to do. . . . It is high time we had this awakening to the dangers of excessive governmental adventures in business, too great centralization of power and undue dependence on public assistance. In our agricultural policy we seek to counteract this dangerous trend. We believe in short that the principles of economic freedom are applicable to farm problems."



Have you been thinking along these lines yourself? If so, what are your thoughts? Secretary of Agriculture Benson wants you to write him your opinions whether they agree with his ideas or are entirely the opposite. Can you tell him how to find wider markets for farm products? Can you tell him how we can avoid pricing dairy products out of the domestic markets? In asking for your opinions he is making it plain this isn't a one-man job.

For Better Education

HAVE YOU THOUGHT just how good a job Kansas schools are doing, how well your children are learning, whether the public is getting their money's worth?

In the last few months, the education council of the Kansas State Chamber of Commerce ran a survey of opinion about public schools. What they found is not only of interest to parents and public, but will be helpful in better education for Kansans.

Results of the survey show most Kansans believe their schools generally are doing a good job and giving their patrons their money's worth. But many citizens feel the basic "Three R's" have been deemphasized too much and sports and social activities overemphasized. Also, by a ratio of 2 to 1, Kansans who expressed opinions said salaries offered teachers aren't sufficient for well-prepared and conscientious men and women in teaching jobs. There was a 5 to 1 vote for increasing state financial assistance to public schools.

Kansans said they're willing to pay higher taxes for support of public schools if they would do a better job teaching: (1) How to be a good citizen; (2) respect for rights of others; (3) willingness to accept responsibility; (4) good work habits and (5) good manners.

Questionnaires were distributed in 40 school systems in large and small cities and in rural areas. Not all persons have children in school. Prominent businessmen and professional leaders in various Kansas communities composed the council which prepared the questions.

Here are preferences of most citizens in improving our schools, most of which will receive a sound "aye" opinion from most Kansas farm families: (1) Less emphasis on sports; (2) more stress on the 3 R's; (3) better teachers and more of them; (4) teaching more practical courses; (5) more stress on co-operation and assuming responsibility; and (6) more discipline.

Kansas citizens want to know more about curriculum offered, school expenditures and finances, grading system, individual progress of students, what parents can do to help, hiring of teachers and salaries, what other states are doing.

Results showed, too, that adults believe young folks now have a better educational attainment at 8th grade level than they did. But when it comes right down to the "Three R's," most answers were checked in the "about as well" category.

These are only some of the results and suggestions given. How about you? The public schools are your schools. Tell us what your thoughts are along this line!

Sales of dairy cattle this fall have been far ahead of expectations, Bert Powell tells us. He is one of our well-known livestock fieldmen. A dry summer didn't lend too much encouragement that sale averages would make breeders happy, he said. However, fall sales of dairy cattle are nearly over, and in virtually every instance the sale average and tops were many



"Live so well that when you die you won't be afraid to leave the family parrot to the town gossip."—Will Rogers.

"The new baby has his father's eyes, his mother's nose, and sister's chin, but must have gotten his voice from Dad's auto horn!"

"Jimmy is glad he's so skinny because fat boys have so much more room to get spanked!"

"The rest of the family may like all the beautiful pictures they see on the TV screen, but Mom still likes the beautiful sight of clothes she can see thru the window of her new automatic washer!"

"The man who spends today boasting about what he is going to do tomorrow did the same thing yesterday."

"Golden Silence: Even fish wouldn't get into trouble if they'd keep their big mouths shut!"

"Kissing can be dangerous," says Aunt Priscilla, "as it has put an end to many a bachelor!"

dollars more than anticipated when sale dates were arranged.

Cows and heifers fresh or due to freshen within 60 to 90 days have been in strong demand at good prices, Bert said. This applies to both grade and registered dairy cattle. More Holstein sales have been held than other dairy breeds, and attendance at these sales has been good. Out-state buyers and buyers from foreign countries have been in Kansas selecting top Holsteins in auctions and at private sale.

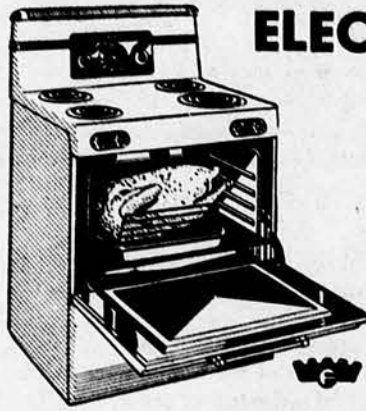
Bert Powell reports not too many hog sales have been held in Kansas this fall. As a whole, prices have been good. Breeders not holding sales report satisfactory inquiry, and sales are being made. Most breeders feel the hog business looks good for 1954.

Mike Wilson, livestock fieldman for *Kansas Farmer*, reports that a better interest is being shown at this time in beef cattle auctions than was indicated during the late September and early October sales. Larger crowds are seen at the sales and prices definitely show an upward trend over earlier auctions.

To answer questions: Here is a quick summary of what Government has done to help distressed cattlemen—Uncle Sam has purchased 225 million pounds of beef for school lunch program, government institutions, foreign aid and markets; made emergency loans to cattlemen; sold them feed at reduced prices, about 50 per cent of its original cost; made 10 million dollars available to help finance distribution of hay in drouth areas.



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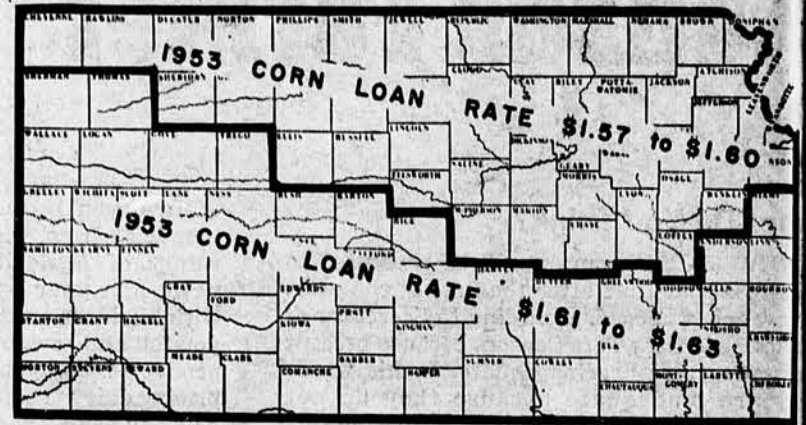
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SHOULD I STORE OR SELL MY CORN?

By LEONARD W. SCHRUBEN, Professor of Agricultural Economics, Kansas State College



THIS MAP indicates approximate 1953 corn loan rates. It will provide a guide as to the price you can realize for your corn if you are willing to store it until the loan matures.

This is written to help you decide on a marketing program for corn this year. Many farmers in Kansas grow corn for the cash market. Some grow white corn. Should this corn be sold at harvest, or stored and sold later in the season? A flat rule cannot be laid down for everyone to follow. Each farmer must decide on a program to fit his farm. Important points to consider are discussed in this article.

This is because a deduction is made the cost of storage thru the maturity date of the loan. Loans made on corn grown in 1953 mature on July 31, 1954.

May Be Profitable to Feed Milo

Farmers who usually feed all corn they raise may wish to consider placing this year's crop under loan and buying milo or other grain sorghums to feed this winter. On the basis of \$1 per bushel, the Kansas county median, milo of comparable grade would be worth about \$2.80 per hundred for feeding dairy cows or fattening lambs and about \$2.60 for fattening beef calves or fattening hogs. (Editors' note: See "Which Is the Best Buy, Corn or Sorghum" on page 28 of Kansas Farmer this issue.)

IT OFTEN IS SAID following a successful marketing program is as important in determining net profit from farming as any one thing a farmer can do. Right now many Kansas farmers will be planning a market for corn. Of major importance is the prospect for a price increase. If the prospect for a price increase is favorable, will such a likely increase pay for the extra work, storage costs, and risk? Also, the need for cash and the need for a reserve of feed grains on the farm need to be taken into account.

For example, if a feeder is able to buy milo for \$2.30 per hundred, he should consider using it to replace corn. He would have a gross saving of about 50 cents per hundred from which to pay added handling charges and a share of the equivalent feeding value.

Corn Price Increase Appears Probable

There is a good chance for a corn price increase of 15 to 25 cents a bushel by spring. Virtually every year when 3 billion bushels or more of corn are raised, prices decline at harvest time. The price pattern this fall indicates this year isn't likely to be an exception. The price support program is probably the most important single factor tending to push prices up. It also is an important item to be considered in deciding upon this year's marketing program. A slight increase in the amount of grain fed to livestock during the coming season, as well as relatively high roughage prices, also are expected to keep corn prices from falling below mid-November levels before next July.

In deciding whether to store corn or sell it during or shortly after harvest you need to take into account your cost of storage bins or cribs, the extra handling that may be involved, and the possibility of spoilage. Whether or not corn is placed under loan, the owner is responsible for maintaining quality. If it spoils, or is destroyed by rats, mice, birds, or insects, owner suffers loss. These costs and inconveniences vary from farm to farm and a general rule cannot be laid down. If you have empty space, you will need to consider the additional costs of storing and handling. In building new space, add costs of depreciation, property tax interest on the money used to build, and long-time need for the building.

Loan Rate Offers Stability

Since price supports are so important, a map of Kansas indicating approximate 1953 loan rates has been prepared to accompany this article. In many cases it is difficult to understand why farmers who are eligible for a corn loan will sell for less than the net loan. Apparently there are enough farmers willing to take a substantial discount in order to sell the corn so they will not have to take care of it. Others may sell because they do not understand how easy it is to comply with the price-support program. Still others may sell at a discount to obtain cash, not fully realizing that a government loan may provide more cash than selling on the market.

White corn brought \$1 or more per bushel over yellow corn for a considerable period this past year. This premium was paid because white corn is used in processing for human food, has been relatively scarce. The premium usually increases from the fall until midsummer. If this should happen again this season, white corn prices could be expected to advance as much as 45 to 60 cents per bushel by next July.

White Corn a Premium

The 1953 county loan rates in Kansas vary from \$1.57 to \$1.63. They are the same as the 1952 rates. All producers are eligible for loans at the basic rate with adjustments for quality and storage charges if in commercial storage. The rate is calculated to reflect 90 percent of parity for the U. S. as of October 1, 1953.

Since white corn commands a premium because it is used for human food, it must be kept clean. This means keeping insects, rats, mice and birds out of the bin or crib. Otherwise, it will sell for feed grain prices, which is another way of saying dirty white corn is worth about 40 cents less per bushel compared with clean white corn.

The cash that can be obtained on a loan will be somewhat smaller than the county rate if in commercial storage.

If you store yellow corn until late spring, you have odds which favor you receiving from 15 to 25 cents per bushel to pay expenses and for your effort. You may receive even more if you take part in the support program. Odds favor a price advance of from 45 to 60 cents to cover expenses of storing white corn until late spring or early summer.

Electric Heat Lamps do Scores of Chores in the Home and on the Farm



The first three pictures from top to bottom: Heat lamp keeps waterers free from ice • Relieves minor congestions and sprains • Dries newborn livestock.



You'll never know how many uses you have for a heat lamp until you try one. They're handy to use in so many ways. They're economical, too. You can operate several for only a few cents a day. The original cost is low, and it's so simple just to plug in and let Reddy Kilowatt do the work.

A heat lamp furnishes heat and light to do many chores around the farm and home. They're safer, too, for there's no danger of fire—there's no flame, no fuel to spill, no smoke or fumes. For further information about the use of heat lamps on your farm, see your appliance dealer, your rural electric cooperative or your power company representative.

HERE ARE SOME TYPICAL USES FOR THE HEAT LAMP:

- Brood chicks
- Brood pigs
- Brood lambs
- Dry newborn calves
- Winter sunlight for dairy calves
- Keep hands warm in milkhouse
- Comfort while dressing poultry
- Keep wet mash from freezing
- Warmth and light in hen house
- Heat for the workbench
- Prevent freezing in pump house
- Protect plants from frost
- Start cold engines
- Thaw frozen pipes
- Thin hardened oil and grease
- Keep litters dry
- Warm hotbeds
- Dry paint
- Remove old paint
- Relieve sore muscles
- Dry hair
- Defrost frozen foods

HEAT LAMPS WILL PROVIDE MANY USEFUL SERVICES AT LOW COST.



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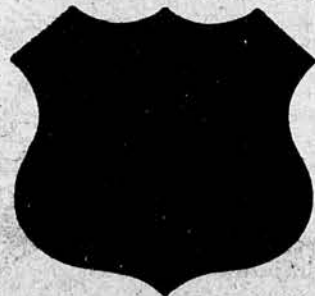
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ANTIBIOTIC HELPS CATTLE GAINS

Indiana discovery should help farmers who must depend on high-roughage rations to winter their herds

FIRST EVIDENCE that antibiotics may be useful in cattle feeding comes from recent research at Indiana experiment station. T. W. Perry and W. M. Beeson, Purdue University scientists, added aureomycin to a high-roughage ration and got quicker growth, heavier weights, and more gain for a pound of feed than they did from the same ration without the aureomycin. Further, the cost was only 4 cents a pound for the extra gain.

This should be good news to farmers who, because of drouth feed shortages, must depend on a high-roughage ration to winter their cattle. The ration that Beeson and Perry fed to get the extra gain was 3.5 pounds Purdue Supplement A, minerals free choice and a controlled intake of ground corncobs, plus 75 milligrams of aureomycin daily.

Nine yearling steers that got the ration for 161 days gained 1.53 pounds a head daily. Another lot of yearlings had the same ration, except for the aureomycin, and gained 1.26 pounds a day. Difference at the end of the 161 days was 44 pounds a head in favor of feeding aureomycin. Big surprise to the researchers was that the aureomycin-fed steers were about 18 per cent more efficient in converting feed to live weight than the others. Perry explained that hogs show only about 5 to 10 per cent more efficiency when fed antibiotics.

To check the first experiment, Perry and Beeson ran another test, this time with 4 groups of cattle, both steers and heifers, for 98 days. Basic ration was the same, except steers could have all the ground cobs they wanted. Two lots received the 75 milligrams a head daily of aureomycin. These gained 1.76

pounds a head daily while the other lot gained 1.49 pounds. Again the steers that had the antibiotic were more efficient in converting feed into meat, 16 per cent, and they were 16 per cent heavier at the end of the test.

Purdue researchers have discovered other important facts about antibiotics for cattle in recent experiments.

First: Ten milligrams of aureomycin for each 100 pounds of animal was enough to stimulate growth and feed efficiency. Previous experiments indicate too much antibiotic depresses appetite. And exactly that happened in the case of the first trial this time, after about a week the cattle were eating normally.

Must Be Mixed Carefully

One difficulty of feeding such small quantities is in getting it properly mixed so each animal gets the right amount.

Second: Altho aureomycin looks promising for cattle on a growing ration, it hasn't panned out in fattening rations. Purdue researchers learned another trial this year that aureomycin had no effect on growth rate, feed efficiency or finish when steers were fed on a high-energy ration of corncobs and supplement A.

Third: Antibiotics seem to stimulate growth in cattle only during the first 2 or 3 months of feeding. In both tests all the weight advantage was attained during the first half of the trial periods. Thereafter the antibiotic-fed cattle merely held this advantage.

Fourth: Suckling calves that were given aureomycin apparently have fewer scouring troubles and grow more readily.

Twice the Gain From Modern Hog Ration

New feed mixture outstrips formulas of 20 and 40 years ago by a big margin in Minnesota test. Makes pork faster and cheaper

HOW MUCH BETTER are these new-fangled pig rations than those of some years back? Do all these extras and additives that get into swine fare nowadays do any good? After all, didn't the hog earn its reputation as a mortgage lifter on a simple diet?

L. E. Hanson, Minnesota animal husbandman, pondered such questions. He wondered whether such fancy feed as has been recommended lately was really necessary. There was one way to find out. Last spring he set up a comparison of rations that were common in 1910 and 1930 with a recommended ration for 1953.

Hanson wanted all 3 rations to have an equal chance. So he selected one pig from each of 5 litters of different breeds to go into each lot that was to be fed a different ration. This eliminated any breed, parentage or hereditary differences.

Separated at 51 Pounds

Up to weaning time, 59 days old, all pigs were fed and managed alike. At that age they weighed 51 pounds apiece, and were separated into 3 ration groups.

To one group, Hanson fed a ration typical of 1910. It consisted of 97 per cent corn and 3 per cent complex mineral mixture. Protein supplements were not unknown then, but most of the pork was made on corn and little else.

For the 1930 ration, Hanson turned to the "9 to 1" formula of that day—88 per cent corn, 11.5 per cent tankage and 0.5 per cent mineralized salt—until the shoats reached 125 pounds. After that weight the corn allowance was increased to 93.5 per cent and the tankage to 5 per cent, with 0.5 per cent mineralized salt and 1 per cent complex mineral.

The 1953 ration consisted of 80 per cent corn and 20 per cent "Minnesota Supplement" until the pigs reached 125

pounds. After 125 pounds corn was reduced to 88.5 per cent and the supplement reduced to 11.5 per cent.

After 103 days the pigs that had the modern ration averaged 243 pounds apiece. Those that had the 1930 ration averaged 161 pounds, and those on the 1910 ration averaged only 118 pounds—less than half the weight of litters that got the 1953 ration.

It was the Minnesota Supplement that made the difference. This supplement contained the new ingredients that have made hog-feeding news since World War II—trace elements (in salt and traces of vitamin B₁₂ and antibiotics. Some of these also may have been contained in the protein source—41 per cent soybean oil meal, 20 per cent tankage, 10 per cent linseed meal, 25 per cent alfalfa meal. Salt and bone meal were 2 per cent each.

Hanson figures the modern ration will make a 225-pound hog for \$9 less than the 1910 ration. On the basis of current Minnesota hog output the saving would total about \$50,000,000 a year.

Results of this test are similar to those of one Kansas State Poultry Department conducted last winter. In that case chicken rations of 1927, 1942 and 1952 were compared. The 1952 ration made 89 per cent more chicken on 36 per cent less feed than the 1927 ration did.

For Children

"Why Holly Has Green Leaves" is a jolly little play full of the Christmas spirit. There are parts for several boys and girls. Order from Entertainment Editor, Kansas Farmer, Topeka. Price 50¢ copy.

Will Your Corn bring \$1.60 or \$3.48?



This year farmers who seal their corn on government loan get only \$1.60 a bushel. But they can sell it through hogs or other livestock and poultry. This fall, Purina Plan hog feeders are collecting up to \$3.48 per bushel on corn fed through hogs, figuring hogs at \$20 per hundred. So corn through hogs is generally bringing at least double the support price.

Fewer hogs and strong demand for pork will probably keep hog prices high well into 1954, the experts say. The corn-hog ratio is unusually high.

This is the kind of opportunity that comes along only once in a while. Take advantage of it NOW. Why not drop in at your Purina Dealer's and ask him to tell you how you can sell your corn for up to \$3.48 per bushel on the Purina Hog Program. Do it today!

HERE'S HOW IT FIGURES OUT on the Purina Hog Program

About 5 bushels of corn and 45 lbs. of Purina make 100 lbs. of pork.

WE FIGURE HOGS AT ONLY \$20.00	NOW YOU FIGURE IT AT TODAY'S PRICES!
Selling price per 100 lbs. of pork equals.....	Selling price per 100 lbs. pork (today's price) equals.....
45 lbs. of Purina equals about.....	45 lbs. of Purina equals about.....
Cash return for 5 bushels of corn.....	Cash return for 5 bushels of corn.....
CASH RETURN PER BUSHEL..... 3.48	CASH RETURN PER BUSHEL.....

Opportunity is knocking at your feedlot gate... take advantage of it today! See your Purina Dealer immediately.

GET MORE FOR YOUR GRAIN THROUGH LIVESTOCK AND POULTRY!

- MILK...** On the Purina Program, corn can be sold as milk for up to \$6.72 a bushel.
- TURKEYS...** fed on the Purina Program will sell corn for up to \$3.23 a bushel.
- EGGS...** Corn fed with Laying Chows should return up to \$3.43 a bushel on our program.
- BEEF...** at the Purina Research Farm, Gray Summit, Mo., steers returned \$2.39 a bushel for corn.

AND HOG CHOW COSTS ABOUT \$1.40 PER HUNDRED LESS THAN LAST YEAR.



THESE GRAINBELT FEEDERS MARKET CORN THROUGH HOGS FOR MORE MONEY...

Master Gains on Less Feed with Purina Hog Program

"I've fed a lot of supplements in my time," states R. A. Fishburn of Medicine Lodge, Kansas, "but they gain faster on Purina and need less supplement. On this program my grain goes farther and is worth more money. My grain through cattle and hogs brings at least twice the market price."

wide margin. Occasionally, as at present, a surplus of grain develops when hogs pay double or triple the price the elevator can pay. I've been feeding cattle and hogs for 18 years, and use Purina to supplement my grain."

They "Walk" Their Grain to Market



"The Purina Program helps us sell our corn for more, and also helps us save corn," point out Flemon and Burt Miller of Montgomery City, Mo. "Through the years we've found we get much more for grain 'walked' off the farm as pork or beef than sold any other way, provided a good program is followed. For several years we have followed the Purina Program with hogs, steers and dairy cows."

Cattle and Hogs Outbid the Elevator

"Throughout the years," stated Clarence "Short" Armbruster of Stanton, Nebr., "I've found cattle and hogs outbidding the elevator for grain by a

TRY FOR A PHILCO TV SET FOR CHRISTMAS

Enter this simple contest! Just complete this statement in 50 words or less:

This is a good time to sell corn through hogs because... Sign your own name and address and your Purina Dealer's name and address. Entries must be postmarked by midnight, Dec. 15, 1953. Send entries to "Sell Your Corn for More" Contest, Ralston Purina Company, Checkerboard Square, St. Louis 2, Mo. Contest open to U.S. readers of this publication engaged in raising livestock or poultry. Writers of the thirty best statements will be awarded the Philco TV pictured below. (Does not include installation.) SEE YOUR PURINA DEALER FOR COMPLETE CONTEST RULES... AND FOR HINTS TO HELP YOU WIN.



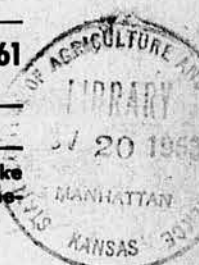
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WOULDN'T IT BE WONDERFUL TO WIN A TELEVISION FOR CHRISTMAS!



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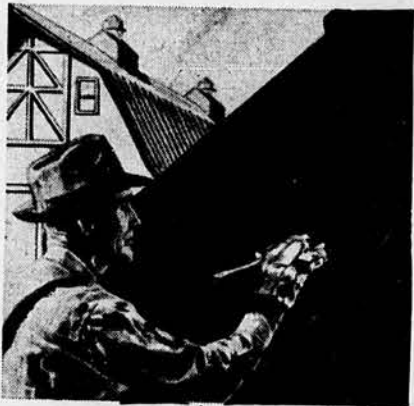


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Article No. 5 in special series on

What We Know About Fertilizers And How They Increase Production

By M. H. McVICKAR, Chief Agronomist, The National Fertilizer Association

Q. Assuming total crop production at present levels, how much could acreage be cut if farmers fully complied with fertilizer recommendations made by our colleges?

A. Reduction would run into millions of acres. Corn acreage could be trimmed by 17 million acres, wheat acreage by 8 million, hay acreage by 15 million, and cotton acreage by 2 million. Such information is reassuring when there are those who say we are approaching the time when we will not be able to feed and clothe our rapidly increasing population.



M. H. McVickar

Q. Is there any basis for the statement alleged to have been made by the so-called "organic cult" that chemical fertilizers give crops of inferior nutritional qualities?

A. The experts say "No." Dr. Firman E. Bear, Rutgers University, internationally-known soil scientist says: "There is every reason to believe plants grown by use of fertilizers are equally as good nutritionally as those grown by use of manure. They are often better."

One of the largest buyers of tomatoes in the world, the Campbell Soup Company, made actual field tests comparing effects on quality of manure and chemical plant foods. By using various inorganic salts, a fertilizer was made that closely approximated the composition of manure in all elements. Growing Rutgers tomatoes, results from this chemical mixture were compared with manure. The chemically-treated plots outyielded manured plots by 30 per cent and fruit produced had better color, more total solids, and higher ash, sugar and titratable acids than those grown on the manure plots.

Q. What are liquid fertilizers?

A. There are many kinds of liquid fertilizers on the market. Some are sold

in small containers; others by the ton. Some of the liquids supply one of the plant foods while others provide 2 or all 3 of the primary plant foods. For all practical purposes, a pound of plant food in liquid form is more or no less valuable than a pound in a dry fertilizer. The wise farmer should figure cost per pound of plant food from the two sources. Usually liquids sold in glass containers or small-size drums are very expensive. On the other hand, liquids sold in large load lots are usually economical sources of plant food.

Q. When is the best time to side-dress corn?

A. Generally speaking, the best time to put down the nitrogen side-dress for corn is when the crop is about knee high. Fertilizer should be placed 2 to 4 inches deep and 14 to 16 inches from the row. At these distances little or no harm will be done to roots. Avoid middle of the row because tractor wheels run there and soil is likely to be compacted. Fertilizer in a compacted area cannot work efficiently. Easiest way to side-dress corn is to use an attachment on the cultivator. If you don't have one, you can do a good job by using your corn planter. Simply put the fertilizer in the fertilizer boxes and the straddle the rows.

Q. What would happen to our average crop yields if farmers followed fertilizer recommendations of our agricultural colleges?

A. Currently, corn receives, on the average, 113 pounds of fertilizer per acre contrasted to the average recommendation of 244 pounds. Research data indicates national corn yield would go up 8 bushels per acre if gap between current usage and recommendations were closed. On the average, additional corn would be produced for about 31 cents per bushel. Wheat yields could increase by 2 bushels per acre if fertilizer application were boosted from 50 to 101 pounds per acre. Likewise, cotton yield would be up by about 24 pounds of lint per acre should farmers use 148 more pounds of fertilizer per acre.

No. 6 in a series of articles on how to grow flowers

Water Lilies Not Afraid of Drouth

By FRANK PAYNE

OFTEN farm folks tell me, "Yes, Mr. Payne, I would sure like to grow flowers around my home but it takes so much of my time. I have lots of land to care for, a lot of stock to feed, cows to milk and dozens of other farm chores. I just couldn't find time to hoe and water flowers."

"My answer to that is, "O.K., I have grown the very flower you should try. It needs no hoeing, is not hurt by drouths and you only water it once, that is when it is first planted. Furthermore, blooms are quite pretty as they bloom all summer long."

Right away they ask, "What's the name of such a flower?" The answer is water lilies.

They require least care of any flower you can grow in this section. No bother with weeds, you water only when first planted and in a few days the green foliage, then the bloom, begin to show and you get nice blooms all summer long. They come in all colors and all types. You can grow them in a small pool, a large tub, a specially-built pool, in an old metal water tank that doesn't leak or even in a pond. Water lilies are not particular just so there is plenty of water at all times.

Let me tell you of my experience growing them in an old galvanized water or stock tank. It made me a dandy pool at very little cost. I gave the tank 2 coats of metal paint on the outside, then one coat of metal and a second coat of blue paint on the inside. After the paint was entirely dry I filled the tank with water, giving the inside a good washing. I wanted to have some goldfish in the tank and it was necessary to get effects of fresh paint removed so that was why the water was changed twice before planting and putting in the fish.

Size of the tank was 8 feet across and 2 feet deep. I bought a couple of candy pails made of wood, filled them almost full of well-rotted manure, well mixed with bone meal bought at the seed store. Water lilies require the richest soil possible with lots of plant food, but any animal manure must not be fresh but several years old and well rotted.

After planting the lilies, one bulb in each bucket, I put several inches of coarse sand over the top of each lily so the plant food would not get out of the bucket and sour the water in tank.

(Continued on Page 11)

men took flat stones and made a pile under each bucket, raising them in the water so there was only about 8 inches of water over the top of the bucket. I bought a few water hyacinth and water weeds for the goldfish. The fish catch their eggs on roots of the water hyacinths, and water weeds help feed the fish.

Added Goldfish and Snails

I got the fish and plants from our local dime store. I wanted the goldfish for a certain purpose—to eat mosquito eggs. A few snails added for scavengers completed the pool on the inside. Now all around the outside rim of the pool for about 3 feet was planted with Rosy Morn petunia plants. They added the color and did a nice job of giving us colorful blooms.

The tank was sunk in the ground by digging a hole so rim of tank was even with soil. Soft rainwater was used inside of the pool as that does not injure the fish. Water from a well or city hydrant may contain chemicals that could destroy your fish.

I used tropical, day-blooming lilies. However, you can get them in night-blooming type. If you have a large pool or pond you can get old-fashioned hardy lilies found in swamps. I have seen them in 3 colors—yellow, pink and white. The tropical lilies would be offered for sale in seed catalogs or firms advertising in flower magazines. Water lilies should not be planted in Kansas until June 1, so water is warm. Remember, your pool must be placed right out in a sunny spot—no shade, please. They don't like shade and would not do anything for you planted there.

Protect Your Bulbs

About October 1, you can lift the buckets, cut off top of leaves and store them in the basement. Be sure to protect from mice and rats—they are too expensive for rodent food. Good tropical lily bulbs cost from \$1 to \$5 each. The old-fashioned, hardy kind would be only 75c to \$1 each. Inasmuch as bulbs can be used several years, cost is not so high.

I have seen several large plantings of waterlilies on my travels. They are quite interesting, indeed. A water-lily pool outside Manhattan was interesting, especially so because it was made from an old trash-dumping place and was transformed into a pool and spot of beauty with the aid of water lilies. At Gage Park in Topeka, the Rose Gardens have a large pool, so large they even have Egyptian Lotus plantings. Lotus take a lot of space and are not practical for a home pool.)

Be Sure to See This

Most beautiful exhibit of water lilies I ever saw was at Shaw's Gardens in St. Louis, Mo. It is now called the Missouri Botanical Gardens. A superintendent there spent a great deal of time experimenting with water lilies and developing new varieties. I spent several hours looking at his pet varieties. I never saw so many colors! I didn't know water lilies had such a wide range of colors and sizes until I saw them at St. Louis. There was a bloom larger than a dinner plate! Some were as large as a dahlia and just as pretty. That's saying a lot to be coming from an old dahlia grower. That visit to St. Louis was one I shall never forget. Please remember to visit it, too, if you are ever in St. Louis. Lots of things to see, winter or summer, but if it is summer be sure to visit the lily pools. Allow yourself plenty of time if you wish to see everything, it's not a place to hurry thru.

Here are some varieties I can recommend. You can make your own selection and are sure to be well pleased with the colors. Names and colors of hardy kinds are: Gloriosa, carmine rose; Sioux, garnet; Paul Heriot, yellow, and Comanche, rich apricot. Tropical water lilies, *not hardy*—August Koch, lavender flowers, Mrs. George King, star-shaped white; Missouri, large white flower opens at night; Blue Beauty, sky blue; Pink Pearl, bright pink, and Rubra Rosea, rosy carmine.

IT PAYS **BIG** TO PLANT CORNHUSKER HYBRIDS



For greatest corn profits choose seed corn that gives you:

1. HEAVY YIELDS of big sound ears. Cornhusker Hybrids "come through" in the tough years . . . and fill your cribs to overflowing in favorable seasons.

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3. SOUND, HEAVY GRAIN—without too much cob. Cornhusker Hybrids overrun when shelled — W-E-I-G-H H-E-A-V-Y over the scales.

Back of every bushel of Cornhusker Hybrids are:

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- The Knowledge and Experience Gained from **75 YEARS** of Producing Quality Seed Corn!



It's because Cornhusker Hybrids DO perform on YOUR farm and on your neighbors' farms, that they are now planted on 200,000 more acres than just 3 years ago!

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SIMPLIFY STACK BREAKING and winter hay hauling with the Farmhand Heavy Duty Loader. Grapple Fork easily tears frozen hay out of stack, carries it with a minimum of spillage. 21 ft. reach and 1 1/2-ton lift make winter loose hay handling an easy job.

Farmhand saves time and money on TOUGH WINTER JOBS



ENDS SHOVELING—Huge 33 cu. ft. Scoop on Farmhand Loader lets you buck snow, pile it, or haul it out of the way. Takes the hard work out of clearing lanes and feed lots. Smooth hydraulic power raises Scoop for easy turning, carrying and piling.



KEEP ROADS OPEN and spend less time out in the cold with a big, rugged V-Plow on your Farmhand Loader. Use it also to ridge fields for holding valuable winter moisture. Quick-hitch plow is on and off loader in a couple of minutes.

FREE BOOKLET!
Write: The Farmhand Company
Dept. 227, Hopkins, Minnesota
A Division of Superior Separator Company



Dwight Hull SAYS . . .

Why Not Give Cheese as Christmas Gifts?

THERE are several items pertaining to dairying I would like to call to your attention.

It is very gratifying to know that at last dairy products are being advertised over a national hook-up of radio and TV. While of necessity this is being done now in a small way, we are confident this can and will be greatly expanded as dairy farmers begin to realize how important this is to each dairyman's business.

Dairy farmers should not only listen (Bob Hope and Bob Crosby shows) but could do a great deal to help by increasing consumption of their own products, by telling others about programs, by writing to these advertisers not only for their suggestions on Christmas packages but also to let them know you listen, and last but not least, by sending Christmas packages which contain dairy products. These packages would no doubt be largely cheese. Kansas should double its consumption of cheese. We are inclined to think more of us need to know more about the various kinds of cheese and its importance as a food, together with the many ways it can be served and used in planning the daily meals.

Of course, there are many effective ways to advertise other than radio and TV. We have read with a great deal of interest how county groups in Wisconsin are tackling the problem of advertising dairy products locally, and how successful they have been. Possibilities of increasing consumption of dairy products by various means of advertising are limited only by the dairymen's own lack of interest and imagination.

Decision of Importance

A decision of great importance to dairymen and livestock men in general was made in Washington, D. C., September 28. After many years of arguing and bickering, a uniform federal inter-state regulation was recommended for control of brucellosis or "Bang's disease." I am informed there is every chance these regulations will become effective March 1, 1954. At present it is very confusing and sometimes almost impossible to ship dairy

cows or breeding cattle from one state into another because of difference laws governing brucellosis tests. With this new regulation cannot prevent states from enacting their own laws it is believed by those who are in position to know that since an agreement has been reached by livestock men (and other interested persons on various controversial phases of the problem), that states will fall in line. We will plan to give *Kansas Farmer* readers complete details of these regulations when it has been announced especially that they have been adopted.

Many Interesting Facts

This week we received thru the mail a very interesting bulletin just published by the State Board of Agriculture, entitled "Kansas Dairy Breeds and Other Dairy Facts." It's interesting, and I recommend you send for a copy. Some interesting facts: the average Kansas cow only produces 4,000 pounds of milk while average for United States is 5,328 pounds. Also, 40 per cent of the milk cows were bred to grade bulls. (Perhaps that explains why Kansas has such a low production.) A price series of farm butter was discontinued in 1952. (Evidently butter making on the farm is a lost art. At least it marks a point in the history of dairy industry that one might refer upon.)

Another historical event given in the bulletin is the beginning in Kansas of artificial breeding on a state-wide basis. A practice that is destined, no doubt to be of incalculable value to the dairymen. I have read with interest the progress that is being made in freezing semen so it may be used many months after it is collected. When the method is perfected, this will greatly increase the value and importance of artificial insemination. The last item I have in mind is progress being made by the Kansas Dairy Association. We are glad to note that is a plan under way to organize the state into districts which will give the dairy farmer a greater opportunity to become more familiar and have a larger part in this important program.

GRANDMA By Charles Kuhn



GRANDMA, I BELIEVE YOU ARE NEXT TO SEE THE DOCTOR...



THANKS! BUT SOMEONE ELSE MAY TAKE MY TURN!



GRACIOUS, SITTING HERE LISTENING TO SO MANY COMPLAINTS ABOUT ACHEs, PAINS AND OPERATIONS...



...I JUST NOW REALIZED WHAT FINE SHAPE I MUST BE IN!!

Kan...
STRA...
RECA...



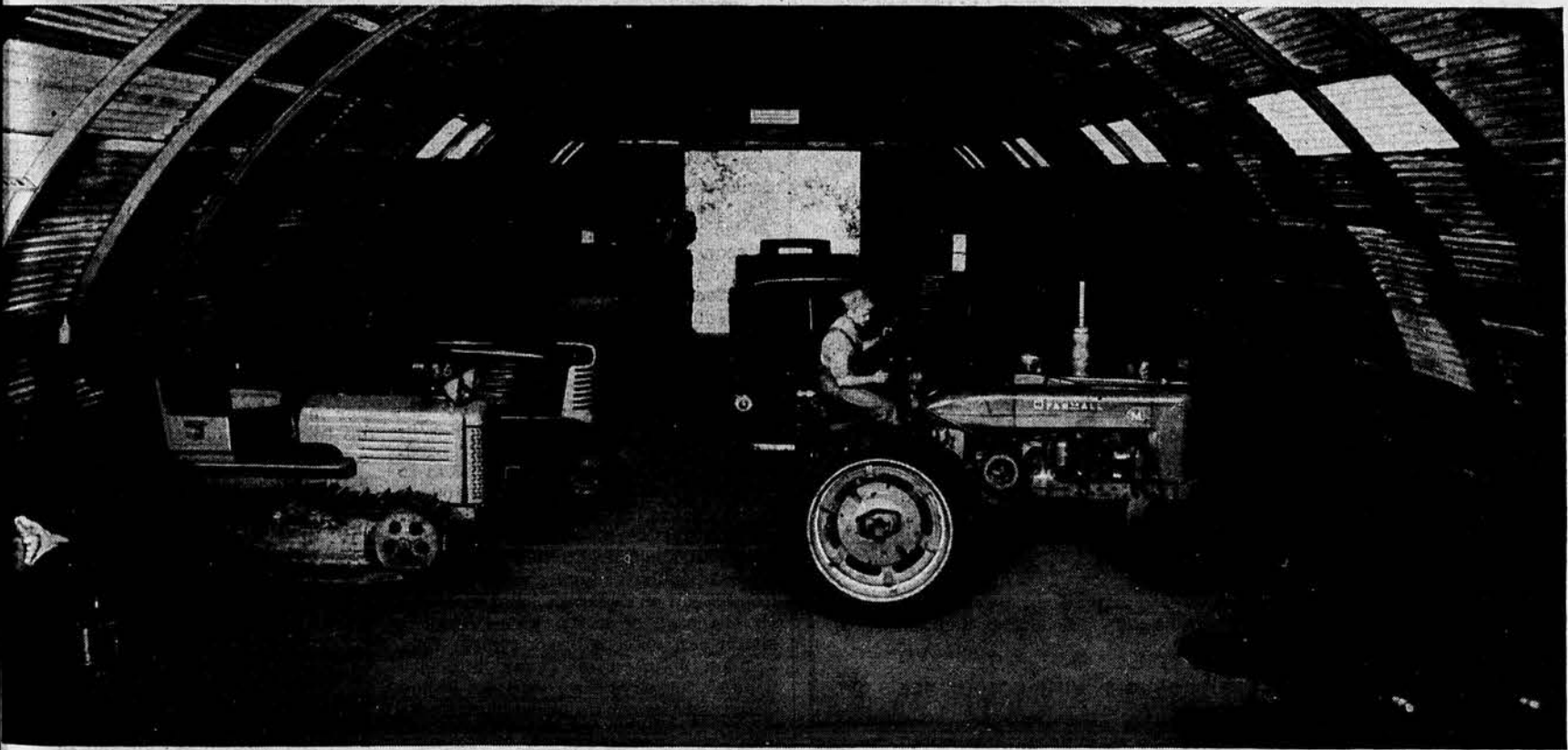
"My Quonset works for me four ways..."

"It fills my needs for a machinery storage building, workshop, garage and surplus grain storage," says Endren P. Johnson. Mr. Johnson farms 240 acres near Huxley, Iowa, and specializes in growing hybrid seed corn.

There are many things he likes about his Quonset, but Mr. Johnson says, "The clear-span interior with those big doors and the all-steel non-combustible construction are what really convinced me." And he's glad he bought the inner-wall lining for 24 feet in one end—he stored 2000 bushels of soybeans for 90 days and made a profit of 23 cents a bushel on storage because he had a safe place to put them.

Mr. Johnson's machinery lasts longer, runs better and has higher trade-in value because it is sheltered the year around in his spacious Quonset. And he says his equipment is ready to go when he needs it due to better and easier maintenance in the shop which is located in one end of the Quonset.

Quonsets are available for any farm use—they are engineered to help you cut costs, save time and make profits. And they can be easily financed on the Quonset Purchase Plan. Your dealer will be glad to show you how.



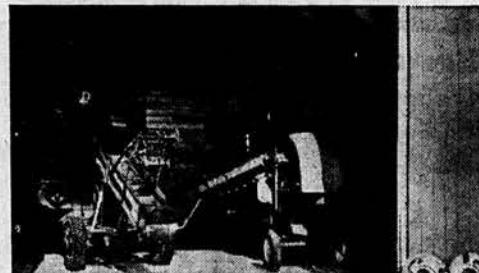
Clear-span Quonset interior provides ample and efficient space for storage and handling of modern farm machinery for Endren P. Johnson, Huxley, Iowa.



Says Elliot E. Redman, manager of the Utter Ranch, near Sheridan, Montana, of his two Quonsets: "All-steel construction means safer fire protection and less upkeep."



This exterior view shows that the Quonset all-purpose farm production tool is good looking, durable and easy to maintain.



Machinery is snugly sheltered in Dwight Dickason's Quonset 32, near Castlewood, S. D. Rear section of building is used for drying and storage of grain.

Farm for the Future...with Quonset®



GREAT LAKES STEEL CORP., Stran-Steel Div., Ecorse, Detroit 29, Mich. Please send me the latest literature on Quonsets for farm service buildings and the name and address of my nearest Quonset dealer.

Name _____
Address _____
City or County _____ State _____

GREAT LAKES STEEL CORPORATION
Stran-Steel Division Ecorse, Detroit 29, Mich.

NATIONAL STEEL CORPORATION



More Proof that a **CALF-KIT START** MILK REPLACEMENT **PAYS OFF**



"We're getting 30 qts. of milk a day from cows started on CALF-KIT!"

say Walter Fredericks and William Burton, Burton Dairy Farms, Mankato, Minn.




"Calf-Kit is an economical way to raise big, husky, high-producing herd replacements," say these Burton Dairy Farm operators. "After calving, we get 30 qts. of milk a day for about 10 months. So far we have raised seven sets of twin calves on Calf-Kit. It's easy to feed... doesn't clog nipples."

CALF-KIT replaces milk SAFELY in your regular calf-feeding program

THOUSANDS of dairymen have proved it! Peebles' Calf-Kit is the modern, low-cost way to give your calves a better start.

It gives extra benefits because it contains 98% milk nutrients from whey products... plus antibiotics and vitamins A and D. It supplies the Whey Factor for added grow power. Promotes "milk-fed" bloom and vigor. Helps reduce scours. Promotes big frames for earlier breeding.

Former Calf-Kit calves are now among the top producers in leading dairy herds, coast to coast. They prove that a Calf-Kit start can pay off for you.

Write Appleton, Wis., for Free Calf-Kit folder KF-11.



CALF-KIT MILK REPLACEMENT

WESTERN CONDENSING COMPANY • Appleton, Wis. • San Francisco, Cal.
World's Largest Producer of Whey Products

Read the Ads in Kansas Farmer

There's a world of helpful information in the scores of advertisements in EVERY ISSUE — READ THEM CAREFULLY.

If you want to find out more about the articles described, don't hesitate to write the advertiser.

YOU CAN BUY ADVERTISED PRODUCTS WITH CONFIDENCE

IDEAL FOR FARMER OR CONTRACTOR

DAVIS LOADER

- Hooks Up in 12 Minutes
- Clear Vision ● Side or Rear Mount

Save time and work with the Davis Loader. Put it on or take it off in only 12 minutes (after initial installation), and do more work... easier with this streamlined, versatile unit. Go anywhere... see anything... and get off or on from either side without obstruction.



Because of many exclusive features, plus box-frame construction and quality workmanship, the Davis Loader is *unconditionally guaranteed*. It fits most popular tractors, and its many convenient attachments give it year-around use.

SEE IT AT YOUR DEALERS
OR WRITE NEAREST DISTRIBUTOR
FOR FREE LITERATURE



Clip This Ad — Send to Distributor with Name, Address, Specify Model of Tractor.

PRICE BROS. EQUIPMENT, INC.
533 Eldora
Wichita, Kansas

MID-WESTERN INDUSTRIES, INC. — 1009 SOUTH WEST ST., WICHITA, KANSAS

Recent Off-Year Election Results And Drouth Problems Are Analyzed

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

OUT OF THE tumult and shouting of recent weeks over cattle support programs, drouth relief, regional Soil Conservation Service offices, and Secretary of Agriculture Ezra T. Benson, plus Democrat victories in bye-elections, seems to have emerged the following:

1. The rigid 90 per cent price supports for the basic farm commodities—perhaps a few products added to the list—will be continued at least another 2 years in the next session of Congress. Barring action by Congress, the "flexible" support price levels of the Aiken-Hope Act would go into effect on 1955 crops.
2. Direct support of live cattle prices, thru CCC loans such as are afforded the basic commodities, seem definitely out of the picture. Meat purchase programs, low grade, may be expanded.
3. Reorganization of the Department of Agriculture, including elimination of the regional Soil Conservation Service offices, is an accomplished fact.
4. Ezra T. Benson still is Secretary of Agriculture, and predictions he would be "out of office by the end of the year," being rather freely made a month ago, turned out something like the report of Mark Twain's death. When Mark heard of the report, he said simply: "You know, the report of my death was slightly exaggerated."
5. Replacement of 2 Republican House members by Democrats—in Wisconsin and New Jersey; Republican won in California—in congressional bye-elections, leaves GOP control of the House by a thread: 219 Republicans (a small constitutional majority), 215 Democrats, 1 Independent.

On paper GOP control of the Senate organization is even more fragile, with 47 Republicans, 48 Democrats, one Independent (Wayne Morse of Oregon). However, 3 factors combined seem to give the Senate Republicans a stronger grip than the House Republicans have: (a) Senator Morse, elected as a Republican but since designated by himself an Independent, says he will vote as a Republican on organizational matters; (b) In case of a tie, Vice-President Nixon can vote to break it; (c) Sen. Lyndon Johnson of Texas, minority floor leader, says the Democrat Policy Committee has no intention of attempting to change the organization of the Senate in this 83d Congress.

Price Supports Seem Assured

So far as the coming session of Congress is concerned, continuation of the 90 per cent parity price supports—thru CCC loans or contracts to purchase or both—for an additional 2 years practically was assured when wheat growers in the recent referendum voted 9 to 1 for marketing quotas. That assurance was insured when a group—even tho only a vociferous minority of heretofore independent cattlemen—demanded price supports and controls on live cattle.

Addressing the Agricultural Council of the Kansas State Chamber of Commerce last month in Topeka, Rep. Clifford Hope, Fifth Kansas, Chairman of the House Agriculture Committee, assured that this Congress "will not do away with any of our present farm programs nor change them drastically." In other words, neither this nor any other administration is likely to change programs (toward the conservative side) in the middle of falling farm prices and increasing taxes and farm operating costs.

So far as getting Ezra Benson out of the Cabinet is concerned, the "Cattlemen's Caravan" (engineered by James G. Patton, president of the national Farmers Union, and Charles F. Brannan, counsel for the Union and former Secretary of Agriculture) apparently backfired. At least for the present. The "Caravan" reminded one of the

staged "Soldier Bonus March" of the Thirties; bore the earmarks of having been master-minded by the same group or their successors.

Mr. Benson just said firmly "No" to their demand for supporting live cattle prices. Government purchases of canned beef will be continued, and shipments of canned beef by packers will be speeded up.

But as far as supporting choice cattle prices, Secretary Benson's "No" was supported by the following statement of "administrative and practical problems involved":

1. Price differentials for live cattle would have to be established as between grades, classes and areas.
2. Compulsory grading would have to be re-imposed.
3. The program could not be terminated easily.
4. The seasonal schedule of prices are commended by the House committee (earlier in an informal session would have to be worked out so as to induce marketing of the desired number of choice cattle in the various months, and to prevent gluts and shortages at the time of shifting from one support level to another.
5. Costs, while not predictable, might be very great.
6. We might experience difficulty in finding outlets for the surpluses we would acquire. Previous experience with perishables, such as potatoes, eggs, butter and hogs, indicate that this may be a problem of major importance."

Sen. Andrew F. Schoepel, in Topeka the next day after Representative Hope appeared, suggested that the canner meat-buying program be stepped up to take care of the equivalent of some 750,000 head. But Mr. Schoepel stood with Mr. Benson against price supports for choice cattle as such.

More Friendly Toward Benson

Over the week end, the press comments and stories indicated a more friendly attitude toward Mr. Benson. Also at about the same time agreements were entered into between Mr. Benson and Governors of drouth states by which increased funds were made available for the hay program. Eventually, the Governors, instead of PMA officials, may designate counties in drouth areas in their several states. That was in the making as this went to press.

Under the hay program agreements Kansas got an allotment of \$825,000. Governor Arn chipped in \$5,000 of his emergency fund for administrative expenses. Program includes: 50 per cent reduction in freight rates by railroads; other 50 per cent will be split evenly between Federal hay fund and purchaser of hay, who will pay the freight bill, get a certificate and collect a refund on his half of the reduced 50 per cent rate.

Mr. Benson also stood firm—and with White House backing—on doing away with regional offices of the Soil Conservation Service. This is part of the program to return powers to the states, and get away from the trend of the late Thirties to substitute regional "authorities"—7 to 9 of them—for the 48 states; the "nose under the tent" for regional (federally appointed) control of states and local governments.

Thank You

I want to say I really enjoy the Kansas Farmer very much.—Jack R. Hess, Clyde, Kansas.



Kansas Dealers

ABILENE—Cruse Tractor Co.
 ANTHONY—Williams Tractor Co.
 ASHLAND—Fellers Motor Co.
 ATCHISON—Touslee Tractor & Impl. Co.

BELLEVILLE—Rooney Implement Co.
 BELOIT—Fuller Equipment Co.

CLAY CENTER—Primrose Tractor Co.
 CLYDE—George Motor Company
 COLBY—Harrison Motors
 COUNCIL GROVE—Wood-Crum Impl. Co.

DODGE CITY—Layman Farm Supply Co.

ELLSWORTH—
 Weinholt Farm Equipment Co.
 EL DORADO—Janney Trac. & Impl. Co.
 EMPORIA—Wilson Implement Co.
 EUREKA—Bush Tractor & Impl. Co.

FLORENCE—Roberts Machinery Co.

GARDEN CITY—Burtis-Nunn Impl. Co.
 GRAINFIELD—Shaw Motor Co.
 GREAT BEND—
 Schumacher Farm Equipment Co.
 GREENSBURG—Gupton Motor Co.

HADDAM—Rooney Motor Company
 HAYS—Drelling Implement Co.
 HIAWATHA—
 Rite-Way Farm Equipment Co.
 HILL CITY—Lewis Motor Co.
 HOLTON—Bottenberg Impl. Co., Inc.
 HOWARD—Bryan Tractor & Impl. Co.
 HUGOTON—Hugoton Trac. & Impl. Co.
 HUTCHINSON—Chas. A. Rayl Impl. Co.

JAMESTOWN—Elniff Motor Co.
 KINGMAN—Staley Tractor Co.
 KINSLEY—Walters Tractor & Impl. Co.
 KIOWA—Lawson Tractor & Impl. Co.

LaCROSSE—Luft Implements
 LARNED—Michael-Roberts Mach. Co.
 LAWRENCE—Kaw Valley Impl. Co.
 LEAVENWORTH—
 Boling Tractor & Implement Co.
 LEONARDVILLE—Stafford Motor Co.
 LIBERAL—Southwest Trac. & Equip. Co.
 LINCOLN—J. G. Miller Motor Co.
 LUCAS—Lucas Equipment Co.

McPHERSON—Astle Tractor Co.
 MANHATTAN—
 Crum-McManis Tractor & Impl. Co.
 MARION—
 Midwest Tractor Sales & Service, Inc.
 MARYSVILLE—Anderson-Boss Impl. Co.
 MEADE—Wolfe Motor Co., Inc.
 MEDICINE LODGE—
 Sprout Tractor & Implement Co.
 MINNEAPOLIS—
 Edmands Tractor & Implement Co.

NESS CITY—Roth-Beutler Tractor Co.
 NEWTON—Aste Implement Co.
 NORTON—Fredde Brothers Equip. Co.

OAKLEY—Shaw Implement Co.
 OBERLIN—Kump Motor Co.
 OLATHE—Perrin Machinery Co.
 ONAGA—Wentz Tractor & Impl. Co.
 OSAGE CITY—Kansas Motors, Inc.
 OSBORNE—
 McCammon Tractor & Implement Co.
 OTTAWA—Price Implement Co.

PAOLA—
 Miami County Tractor Co.

RUSSELL—Russell Trac. & Impl. Co.

SALINA—Kansas Trac. Sales Co.
 SCOTT CITY—
 Western Hardware & Supply Co., Inc.
 SEDAN—Wall Tractor & Equipment Co.
 SENECA—Quinlan Tractor & Impl. Co.
 SMITH CENTER—
 Jones Tractor Sales & Service

TONGANOXIE—
 Laming Tractor & Implement Co.
 TOPEKA—Shawnee Tractor & Impl. Co.
 ULYSSES—Phifer Motor Co.

WAKEENEY—Midwest Marketing Co.
 WAMEGO—C. J. Wentz Sales Co.
 WASHINGTON—Bill Seltz Impl. Co.
 WELLINGTON—
 Sumner County Tractor & Impl. Co.
 WICHITA—Taylor Tractor Co.
 WINFIELD—Stuber Tractor & Impl. Co.



FORDSON MAJOR DIESEL

TESTED AND PROVED THE WORLD OVER

Never before a value like this in the 3-4 plow tractor class!

Not only is the new Fordson Major Diesel Tractor priced hundreds of dollars lower* than other 3-4 plow diesel tractors; its rugged dependability and all-around performance have been proved under the most severe farming conditions to be found anywhere in the world.

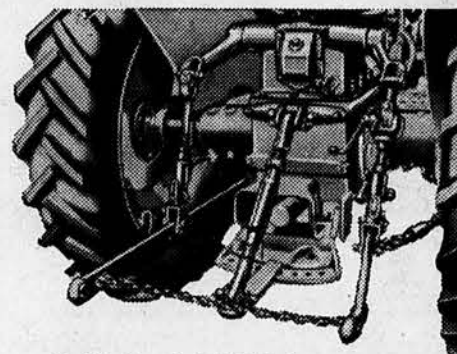
Its easy starting was proved in the sub-zero winters of Canada. Its rugged dependability was proved in the dust and heat of Africa and South America. Its lugging power was proved in the hard clay soils and sticky gumbos of Australia and Sweden. And its fuel economy proved to be sensational everywhere.

So no longer need you hesitate to step up to modern diesel farming. And you'll be *dollars ahead* with the new Fordson Major Diesel.

FORD TRACTOR DIVISION
 FORD MOTOR COMPANY
 2500 E. MAPLE ROAD • BIRMINGHAM, MICHIGAN

*Based upon comparison of Suggested List Price at Port of Entry with Published Suggested List Prices of Competitive Tractors F. O. B. Factory.

- ▶ Cuts fuel costs
- ▶ Priced to save you hundreds of dollars
- ▶ 6 forward speeds, 2 reverse
- ▶ Built-in hydraulic system



Quick 3-point hitch for rear attached tools is standard equipment. Swinging drawbar also furnished.



FORDSON MAJOR

CORN GROWERS..ATTENTION!

UNITED • HAGIE GUARANTEES

United • Hagie Hybrid
seed corn is guaranteed
to produce as well or
better than any other
corn you grow under
similar conditions - - or
your money refunded.



HERE'S YOUR PROOF!

In impartial yield tests this fall, a farm service organization tested 53 varieties of corn (15 major brands) grown in Jackson County, Kansas. UNITED-HAGIE earned FIRST and SECOND places. These were yields of 54.5 bushels and 52.3 bushels, respectively. THIRD place went to another popular brand that yielded only 45.2 bushels—or 7.1 bushels less than the SECOND place winner!

UNITED • HAGIE
HYBRIDS
Grow and Compare

To:
UNITED • HAGIE
General Offices
Des Moines 9,
Iowa

I want to know more about the UNITED-HAGIE Guarantee. Also please forward my free copy of THE UNITED-HAGIE FARMERS' GUIDE.

NAME _____
ADDRESS _____
TOWN _____ STATE _____

Every Farmer Should Plant Some UNITED • HAGIE

Trucks Put Market at Your Door

(Continued from Page 1)

brighter future to the immense agricultural industry.

As the 2 leading industries in the Nation (trucking ranks second only to agriculture) farmers and truckers recognize the importance of one to another. Trucks render the farm an indispensable service. Farms provide trucks with a big part of the 8.3 billion tons of freight they haul annually.

In the beginning, the rural family had only the neighboring village or town as its market. Far-distant markets were unthought of or unknown by these people not served by any of the modern methods of transportation.

Then, along in the early twenties, Kansas people and the country generally, got behind a "good roads movement" to get the country out of the mud. Hard-surface roads were built linking farms and factories, new vistas of travel were made possible, and a system of entirely new trade channels was opened to farm and all industry as well. The force that broke the

ceived by the Wichita livestock market come in by truck. The Kansas City, Joseph, Mo., Omaha, and Denver markets report similar figures.

During harvest months, caravans of trucks loaded with combine equipment and the constant shuttling of the smaller pickup trucks doing a hundred daily chores all are familiar sights of the Kansas countryside.

Farms depend on trucks to haul products to market, and equally important is the service trucks provide bringing commodities to the farm door or nearby home town.

Altho "commercial" trucks are relatively few in number (there are some 27,000 of these trucks operated in Kansas), they carry the major share of all tonnages hauled by trucks.

It is important that we fully understand the commercial trucking industry. In Kansas there are some 6,000 certificated truck lines which are regulated by the Kansas Corporation Commission.

LITTLE INDUSTRY GREW UP

This year marks the 50th anniversary of the trucking industry. It has grown from some 700 trucks in 1903 to more than 9,000,000 vehicles today. Recognition of its 50th birthday has been extended to the industry at both state and national levels. A special commemorative 3-cent stamp has been issued by the U. S. Postal Department, and November 16 to 22 was observed as National truck week. Governor Edward F. Arn issued an official proclamation setting aside those dates as truck week in Kansas.

lock on industrial progress of this country was the motor age, and with it came the motor truck.

Today there are some 9 million motor trucks serving farms, homes and industries. In Kansas there are some 225,000 motor trucks of which more than 90,000 are owned by farmers.

Serve Farm Families

Farm families particularly have come to depend on truck transportation. There are some 417 communities in Kansas, including 5 county seats, that are entirely dependent on truck service. In the United States, some 25,000 communities rely solely on truck transportation to bring them the commodities that help make their standard of living highest the world has known.

Kansas farms depend on truck transportation to help increase farm wealth. No longer restricted to markets in nearby towns, today you can sell to whom you choose, where you choose and when the market price is right. Farmers have been quick to realize this and much livestock and other farm products are shipped to market by truck. More than 92 per cent of all hogs and 97 per cent of all cattle re-

mission. The commercial trucking industry is a public utility just as are the telephone companies, electric power companies, or gas service companies.

Commercial trucks are classified as private, contract or common carriers. Only the common carrier can offer "for hire" service to the general public within the scope of his authority.

Private carriers are manufacturers or other businessmen who apply for authority to haul their own products to customers for resale.

A contract carrier is one who has a specific contract to serve a specific customer or specific contracts to serve specific customers, if the Commission approves such contracts. Neither private carriers nor contract carriers can haul products "for hire." They do serve the farm indirectly thru the service they perform for companies which perhaps process or manufacture products the farm will use.

Trucks hauling "for hire" must have the proper authority from the Corporation Commission and must file a prescribed schedule of rates and charges with the commission. The "for hire" trucker must charge his customers accordingly.

(Continued on Page 17)



HORSEPOWER IS harnessed today just as it was from the beginning but the harness has changed. Now, modern trucks replace teams and wagons that once did hauling chores. (International Harvester Co. Photo)

ording to the rates the Commission as approved for him.

Many farm folks do not realize that they send shipments by truckers who are not authorized to offer them "for hire" service, that the Commission holds them just as liable as the truck owner who illegally hauled the load. Attorney General Harold R. Fatzer has alerted local enforcement officers and county attorneys to this problem, and a concerted drive now is underway in Kansas to help protect farmers.

Certificated truckers too, must carry proper truck insurance and follow the safety rules and regulations prescribed by the KCC.

A Daily Job

Compared to most other freight haulers, trucks carry small loads. In fact, that's the job of trucks—to haul daily, millions of small loads. These add up to 5 per cent of U. S. freight tonnage.

Many trucks move more than 1,000 miles, but more often, the haul is only 50 miles or so. It isn't the distance that's important, but the fact small loads move quickly and at low cost to millions of places where they are needed. Many companies actually keep a major portion of their inventory in transit by truck. Trucks are the supply line from manufacturer to consumer with low cost, dependable transportation.

Trucks have enabled you to expand markets beyond the confines of Kansas borders.

A significant development in this field transpired during the 1951 Legislature when Gov. Edward F. Arn signed the bill to create the Commission on Motor Vehicle Reciprocity.

Reciprocity was a familiar term to Kansas truckers largely because it existed on a limited scale. This Commission was instructed to negotiate reciprocity agreements with other states to permit properly licensed Kansas trucks to enter those states without paying additional license tag fees. Kansas offers similar recognition to out-of-state trucks entering Kansas.

The Commission, headed by Senator Bert Collard, Leavenworth, and Rep. Will Townsley, Great Bend, vice-chairman, has worked diligently to simplify the tape at state borders and permit Kansas-grown and Kansas-manufactured goods to move freely to markets outside the state. Fred Gulick, secretary-member of the Commission, reports 10 agreements now are in effect.

This means new markets can more readily be opened for Kansas farms, that the state can expand more rapidly industrially, and that trucks can more efficiently serve the people of Kansas. If you are enjoying electricity you can appreciate the part utility trucks play in providing comfort for farm homes.

Fresh Foods for You.

Fresh produce, seafoods, fruits, and other delicacies speed quickly to dinner tables in Kansas by modern, refrigerated motor trucks. Considerable whole milk now is being transported in huge tank trucks.

The truck co-ordinates the work of other carriers. Because of its efficiency in pick-up and delivery, the truck links together our rail, water, air and pipeline services.

The Kansas Motor Carriers Association, state-wide trade organization for the Kansas trucking industry uses a slogan—"If You've Got It, a Truck Brought It!"—and that just about sums up the story.

Motor transportation is a key to this Nation's progress. It is a monumental example of the system of private enterprise in this country. Trucking, like farming, is a frontier where young men still may make their mark and eventually enter the business for themselves.

The truck is here to stay—a vital, valuable, efficient public servant. The trucking industry is proud of its service contribution to the men and women, boys and girls, who are the agricultural industry of Kansas. Trucks will continue to transport all or part way, everything they eat, use, or wear.—By Mary Turkington, Editor, The Kansas Transporter.

CITIES SERVICE

Farm Service Bulletin

Quality Petroleum Products

NOVEMBER, 1953

Accessories for the Farm

AUREOMYCIN—VITAMIN B₁₂ CUTS PIG DEATHS BY 50 PERCENT!



Hog Raisers Want to Save more pigs per litter. Better diets may help do the job. 94 spring and fall litters of 50 sows studied for answers.

United States Dept. of Agriculture studies found pig losses highest for sows fed a ration with 15% protein during gestation period. 1 pig out of 4 died the first week, total deaths averaged about 30%.

Losses were strikingly lower when sows got aureomycin-vitamin B₁₂ supplement along with 15% gestation ration. First-week mortality was less than 1 pig in 10, total about 15%. Losses were reduced still more when supplement was added to 20% protein diet.

Perhaps the antibiotic helps maintain better health by battling undesirable bacteria. It may also be important that the 20% ration is high in vitamins, since this protein level is reached by adding more vitamin-rich soybean meal, tankage, fish meal, and linseed meal.

CITIES SERVICE DIESEL OILS FOR WINTER'S TOUGH WORK!



Farmers throughout the country rely on Cities Service Diesel Oils for the really tough jobs during rugged winter weather. They know that Cities Service heavy duty, detergent-type Diesel Lubricating Oils protect their hard-working diesels against troublesome ring sticking, scuffing of pistons, rings and cylinder liners, bearing corrosion and excessive engine deposits.

These same farmers use high-quality, long-wearing Cities Service Trojan Greases for all their equipment that works during the winter . . . and they've found that Trojan Greases offer top protection for all that valuable machinery stored for the winter.



FIRST VIRUS-FREE STRAWBERRY PLANTS FOR 1954!

STOCK OF 11 VIRUS-FREE PLANTS BEING BUILT UP FOR GROWERS

Hardly a commercial strawberry plant in the country is free from virus. The condition is generally accepted as normal. Actually, however, the diseases weaken the plants, cut runner formation, and hold down berry yields.

U S D A scientists combed the country until they found a single uninfected plant of 40 commercial varieties. Stock of 11 of these has been built up and sent to cooperating nurseries for production of plants for the trade.

Growers can keep virus out of these plants by: (1) Setting them away from other berries, (2) dusting both virus-free and infected plantings with parathion in spring and fall when aphids are out in force; and (3) treating nearby wild strawberry plants with parathion or a weed killer.

DRILL-SEEDING PRODUCES TWICE AS MUCH DRY FORAGE AS HIGH-RATE BROADCASTING!

Drill-seeding of grasses and legumes, plus simultaneous banding of fertilizer below the seed, looks like a good seed-saving method when establishing forage crops. Results were strikingly successful in year's limited tests at Beltsville, Md.

Better stands and more forage production were obtained with drill-seeding than broadcasting, even with only half as much seed and one-third as much fertilizer. Broadcasting seed and fertilizer—8 lbs. tall fescue, 2 lbs. Ladino clover, and 750 lbs. of 3-12-6 fertilizer per acre—produced 1,439 lbs. per acre of dry, weed-free forage at first May harvest.

Drilling same amount of seed in 8-inch rows and banding equal quantity of fertilizer 1 inch below, with soil firmed over the seed, produced well over twice as much forage—3,331 pounds per acre! Even when rates for seed and fertilizer were cut about half, seed drilling and fertilizer placement still produced 28 percent more than broadcasting at the higher rates!



IS YOUR WINTER WEATHER TOUGH, MEDIUM OR MILD?

Whether you're snowed in for four months, or enjoy a sunny, mild winter, old man rust is taking its toll on that important farm machinery you have in storage. Ask your Cities Service man about his complete line of top quality products for protection of equipment stored for winter.



CLEANS YOUR ENGINE AND KEEPS IT CLEAN!

There's an important cleaning job that must be performed on a day-to-day basis inside your tractor or truck engine . . . and Cities Service C-800 Motor Oils were developed especially for that purpose. These heavy duty, detergent oils clean your engine, and keep it clean, providing the finest lubrication you can buy. For longer tractor life, better engine performance and fewer engine repairs, change oil regularly with "Farm-Tested" Cities Service C-800 Motor Oils.



Dwarfed in a corn "canyon" on the Wahls farm near Pontiac, Illinois, are (left to right) Dr. Jerry Lyons, agronomist for Steve Turner Fertilizer; John Wahls, owner; Steve Turner.

Yield Insurance for Your Corn Crop?

Poor corn year? "Nitrogen is insurance against a bad yield," says Illinois farmer

Ever wish you had some "yield insurance" for your crops? Well, there's a farmer in Illinois who figures he has such insurance. And he doesn't buy it from an insurance salesman, either. Believe it or not, he buys it from his fertilizer dealer!

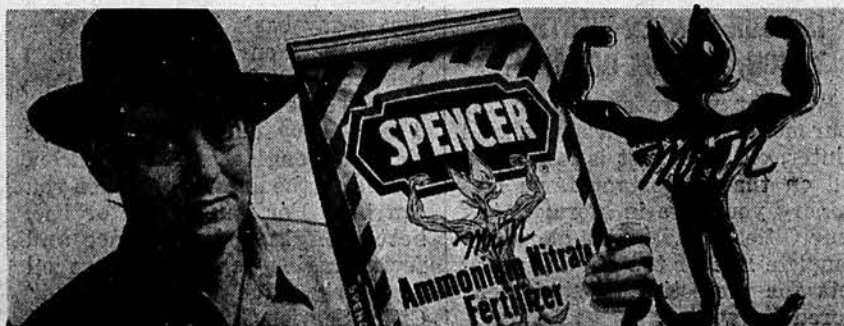
"Nitrogen is insurance against a bad yield," says John Wahls of Pontiac, Illinois, who had 443 acres of corn this year. "I've been

using nitrogen fertilizer on my corn for ten years because I know it pays. In fact, I can't afford *not* to put it on. If it turns out to be a *bad* year, nitrogen helps me get a fair yield. If it turns out a *good* year, I get 100 bushels per acre on up. Either way, my investment in Spencer "Mr. N" Ammonium Nitrate Fertilizer pays off big."

If you would like some of this "yield insurance" that Mr. Wahls has found so profitable, it's a good idea to begin planning now.

Fertilizer is a good investment regardless of which way corn prices happen to go. And Spencer "Mr. N" Ammonium Nitrate Fertilizer, of course, is your *best* fertilizer buy. See your dealer today.

NOTE: Current demand for Spencer Ammonium Nitrate Fertilizer exceeds supply. Your dealer may not be able to fill your order. We are operating our plants 7 days a week, 24 hours a day, and are doing our best to increase output.



Spencer Chemical Company, Dwight Building, Kansas City 5, Missouri

Now Is Good Time of Year to Plan Your Home Fruit Plantings

By WILLIAM G. AMSTEIN, Kansas State College

FRUIT CROPS that can be grown in all sections of the state are available. With recent introductions, much improved varieties are now available from most nurserymen. This is a good time of year to make plans for a home fruit planting or to improve your present arrangement.

The strawberry is the No. 1 fruit of Kansas, as you can grow and enjoy strawberries anywhere. No large planting is needed but even a small planting will produce many berries. Both annual and everbearing varieties can be grown with the annual type deserving greater consideration in most sections of Kansas. Better-known annual varieties are Premier (Howard), Dunlap and Blakemore. One or two of these varieties are all that are needed in most home plantings.

In the Kansas City area the Armore variety is coming into more common use commercially. Robinson variety has been planted quite commonly in Doniphan county. Various opinions are expressed on its yielding ability but there is no question as to fine size of the fruit.

An outstanding new strawberry variety, especially for home use, is Sioux. Reports of tests thruout Kansas usually give Sioux a high rating. In addition to extra good plant-making ability, Sioux seems to possess winter hardiness and does not require winter mulching. However, to keep berries clean at harvest time some mulch should be put around plants before they bloom in spring.

Early-Season Income Crop

Strawberries are a crop that more farm and town families could use as an early-season income crop. Both 4-H and FFA members could find it a profitable project, also. Do not worry about having to harvest them yourself. You will find neighbors glad to help. Just arrange to weigh your neighbors and their containers (buckets and baskets) in and out. Charge for the difference at the going price for strawberries. Both will enjoy the arrangement. Another suggestion that may prove useful is to use a few geese to help keep weeds out. Geese will do a rather good job of tending your bed but not injuring it.

Grapes are another excellent Kansas home fruit. The old reliable varieties are Concord, Worden and Niagara. In recent years both Fredonia and Sheridan have been added to many plantings to lengthen the season at both ends.

The French-American hybrid type of grape is attracting a good bit of interest the last few years. You may recall the fine exhibit of these grapes staged a few years ago in the center of the Agricultural Building at Kansas State Fair by Emmett Schroeder, of Hutchinson. He has the largest collection of this group in the country. His planting consists of more than 600 varieties.

While our experience is still limited in years as compared with what we have had with Concord and other American varieties, results thus far are promising. Grapes will start to produce in 2 or 3 years, will remain in production many years. Only a few vines are needed for a home planting.

In addition to these 2 small fruits there are several tree fruits well adapted to home fruit planting. First choice is sour cherry. They can be planted with success anywhere in Kansas usually and will start to produce in 3 or 4 years. While not a long-lived tree a crop is produced most every year. Our standard varieties are Early Richmond and Montmorency. Bud sports of these, with some variation in maturity dates, are now available. In many communities sour cherries are used as a commercial crop and could be much more widely planted for this purpose. You will find your neighbors eager to help harvest them.

Many Adapted Peach Varieties

Most interesting developments in new fruit varieties has occurred with peaches. Many of us remember planting the Elberta peach, but few will recall regular crops produced on it since it has a poor crop history in most Kansas locations. Today, however, there are many new adapted varieties that provide a sequence of ripening dates for 6 to 8 weeks. These represent varieties for the most part developed at the New Jersey and Michigan Experiment stations. All of this new group of varieties may not be needed.

Several that are outstanding include varieties such as Redhaven, Golden Jubilee, Halehaven, Triogem, Sullivan Elberta and Goldeneast. When you are able to enjoy tree-ripened peaches this extra quality is hard to describe. Peaches are another tree fruit that more Kansas families are finding of commercial value. Consumer harvesting is gaining wide acceptance. In several counties, orchardists are finding this a practical and profitable arrangement.

The apple is a tree fruit that most families plant first. However, it is one of the last ones to produce. For farm and town plantings, summer varieties of apples (such as Lodi, Cooper and Wealthy) will prove most useful. They will require less spraying. There are many fine redbud sports available now of the standard varieties (such as Jonathan, Delicious, Rome and Staymen) that should be planted instead of these.

While there are many other fruits that can be planted in most communities, these described are most useful. Introduction of "all-purpose" sprays that can be used to handle most all insect and disease problems will make home fruit growing much more convenient. Many supply firms are now stocking these mixtures.

I WONDER HOW THAT STARTED

"Everybody Talks About the Weather But Nobody Does Anything About It"

Contrary to popular belief, Mark Twain did NOT originate this saying. It was first used by Charles Dudley Warner, in a newspaper editorial at Hartford, Conn., in 1890. He was editor of the paper, and became so hot on one August day in 1890 he steamed into his office to write an editorial, in the Hartford Express and Courant. He said, "Everybody talks about the weather but nobody does anything about it," and proceeded to give his views on weather problems.

Anna Gillispie, Valley Falls, asked us about this familiar old adage. What's yours? Just send it to "How That Started?" Kansas Farmer, Topeka.



THE SHEFFIELD

FENCE RIDDER

PUBLISHED IN THE INTEREST OF GOOD FENCING

GOOD FENCES BIG FACTOR IN BALANCED FARMING

15,000 Visitors See How J. E. Callaham Produces 400 to 450 Hogs, 60 to 65 Lambs, 30 Calves, and Thousands of Eggs, by Rotating 30-Acre Fields of 240-Acre Missouri Farm

When a Missouri Balanced Farming Action Day was held this last summer, the place chosen for it was the J. E. Callaham farm near Mendon, Chariton County, Missouri.

The reason was a good one. Six years ago Callaham started a balanced farming program, following a disastrous attack of Bang's on his Shorthorn herd which forced him to sell at market prices. Today, thanks to his balanced farming, he has paid most of his debts and invested \$20,000 in improvements.

On Balanced Farming Action Day this year, 15,000 visitors saw what Callaham has accomplished: a remodeled farm home, automatic concrete waterers, concrete feeding floors, improved fields—producing almost 100 bushels of corn per acre instead of the 50 prior to 1947—and large beef cattle, sheep, poultry, and hog enterprises.

Callaham's upland fields are used in hog sanitation and rotation, and are put in corn once every three

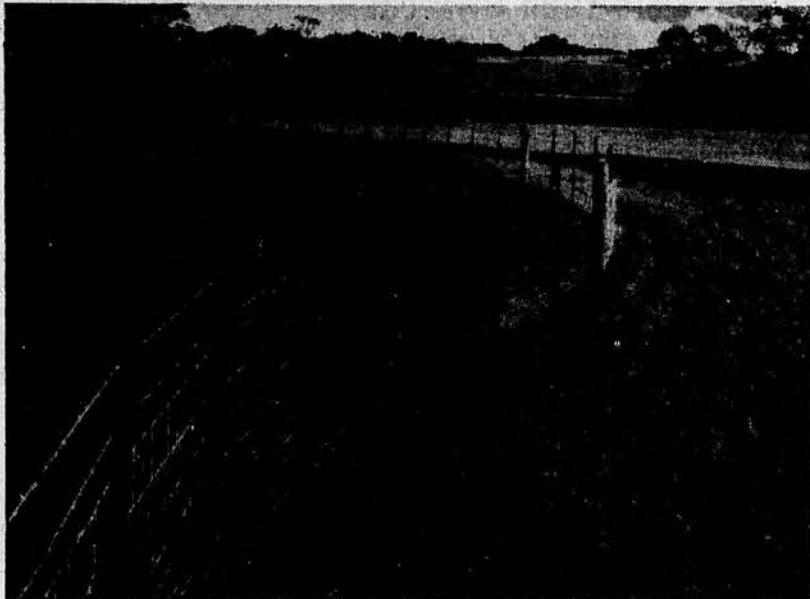
FENCING FEATURES ON BALANCED FARM



The double-span horizontal end brace assembly shown above, built as a part of the fence demonstration, is a new type designed to resist both horizontal and vertical pressures on end posts. Callaham uses three types of posts in his fencing—steel, pressure treated creosote, and hedge. In most cases he set corner and end posts (8 1/2 to 9 feet long), four to five feet in concrete. His line posts are about seven feet long, set 18 inches to two feet deep and 12 feet apart. Contour posts were set eight to ten feet apart on some of the sharper curves.



Building the demonstration fence on Balanced Farming Action Day. The feeding platform being fenced above is part of 5000 sq. ft. of pavement Callaham uses in feeding operations.



J. E. CALLAHAM uses hog-tight fencing on his 240-acre farm. Section above fences one of the 30-acre fields used in his hog sanitation program.

years. He found that by having his fence on a contour parallel to the terrace, he could eliminate a lot of point rows in corn planting.

For a clean field and good pasture Callaham uses 30-acre fields in rotation of corn, followed by oats and clover the second year, then by a mixture of red and ladino clover the third year.

He farrows fall pigs on stubble clover and spring pigs on second-year clover. In addition to rotation fields for pigs, he has two improved, permanent pastures for sows and gilts.

Callaham not only used woven wire fencing for hogs, but also for his sheep enterprise. The Shorthorn herd he was forced to sell has been replaced with 30 head of Hereford cows and heifers.

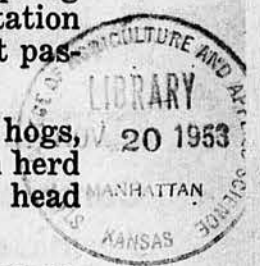
All of which is proof of how balanced farming pays.

Sheffield Fence Plays Vital Role in Proper Land Management

Farmers report Sheffield Fencing used in land use control has paid for itself in a single season. See for yourself the extra wrap of stay wires around the top and bottom line wires. See the longer hinged joints on line wires. This extra steel in Sheffield Fence costs you no more even though it is special analysis steel — quality controlled

from Sheffield furnace to finished fence—with zinc coat tightly bonded to steel for longer life.

See your neighborhood Sheffield Fence dealer today.



SHEFFIELD Bolts & Nuts

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you bank profits 2 ways when you own an SHELLER



YOU SHELL YOUR OWN CORN WITH AMERICA'S MOST WANTED SHELLER

A sure way to boost profits on your own corn crop is to shell it with a Minneapolis-Moline Sheller. Any owner can tell you why. First, MM Shellers give you the *big capacity* that means faster shelling . . . lower costs. With the Model E, you shell up to 1200 bushels of husked corn per hour; with the Model D, you shell up to 300 bushels per hour. Just as important, MM Shellers give you *clean, even shelling* . . . deliver whole kernels, free of dust and chaff . . . worth more for market . . . worth more for feed.

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With an easy-to-transport, easy-to-run MM Sheller, you can go right on making good money all through the winter slack season shelling corn for your neighbors. Once the word has got around what an A-1 job your MM Sheller does, you'll have all the custom business you want. Mounted on a truck or on a trailer, you can bring your Sheller to any job on short notice . . . handle either snapped or husked corn with only minor adjustments.



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JOHN GOES TO VISIT INDIA

Describes rice harvest, rides in a jeep up in the Himalayas,
why Indians exist in ruins

Remember, Kansas Farmer promised to bring you letters from 2 of our Kansas 4-H'ers who are spending some time on farms overseas this year. Here is the fifth letter from John Ferrell, of Mt. Hope, in Sedgwick county, who has gone to India. Watch for another letter on December 5.



JOHN FERRELL
Mt. Hope, Sedgwick County

RICE, RICE and more rice! This particular area produces a tremendous amount. Like Kansas in wheat harvest everything and everyone here is engrossed in the paddy (rice) crops. To harvest the rice requires a great deal of labor for it is cut with a small hand sickle, twisted into a bundle and shocked. Two days for drying, then bundles are carried to center of fields where they are beaten over a log to extract grain. . . .

Now the bullock cart plays its part; usually about 8,000 pounds are loaded on each. At times it is possible to count 50 of these transports carrying rice to the husking mills. To see the complete operation I went with the carts to Bataala, the market place for this area. This trip took us 3 days, and all along it was like a story of the covered wagon times. When we reached the mills the rice was unloaded and sifted by hand. I noticed that all farmers brought their good clothes and as soon as their cargo was discharged they were donned. I wondered how many of us had done this same thing.

Last week we took the jeep to Dalhonsie, a hill station in the Himalayas. There it was wonderfully cool after the heat of the plains. The vastness and sheer beauty of these mountains is something to behold, but we were there to visit the army's dairy at Banichet. This dairy, located above 8,000 feet, is run on the European style. Cattle are Holstein, Ayrshire, and Guernsey, plus a few of the local breeds. This dairy supplies 3 army camps, as well as sending out 40,000 pounds of cheese a year.

On our way out we stopped at the Sacred Heart Academy for girls in Dalhonsie, run by the Sisters of Belgian. This school is one of the few good ones in Northern India.

The thing about the Himalayas that impressed me most was the way the hill people farm the mountains. We Americans like to think we're good farmers, but beside these boys we're just "sandlot." The terrace system has reached to the peaks and runs for miles laterally. On these terraces, some-

times only 4 feet wide, they grow wheat corn and vegetables. These hill people are very sturdy and much cleaner than those of the plains. Their livestock are fat and their homes strong. Yes, of the various tribes I have seen thus far they are the best and happiest people.

Every night we (all the village and I) listen to the radio, generally the voice of America or Ceylon Commercial Service. Now of all English-speaking radio programs that can be picked up on this battery set, only these 2 are pro-American, so it is easy to see why there is a great deal of anti-U. S. feeling.

In this village where I live now all people are Sikh, the warrior caste of India. These men never cut their hair and at all times carry a dagger. Their dress is very colorful—a turban, long shirt and the dote (which is a shirt like affair). Their women I never see but they have seen my pictures of America for when I go to the field these are left out and on the return they always are rearranged.

Once a buffalo (kept for milk) dies and the whole village mourned for days. When a human goes, that is just one less mouth to feed so not as much fuss is raised.

This land along the Kashmio, Pakistan, India, border has been devastated by 2 military actions, yet the people cannot rebuild for fear of another so they exist in the ruins.—John Ferrell

DON GOES TO LEBANON AND SYRIA

Sees serfdom flourishing, lives in a tent, enjoys Arabian dances,
talks politics

Remember, Kansas Farmer promised to bring you letters from 2 of our Kansas 4-H'ers who are spending some time on farms overseas this year. Here is the ninth letter from Don Weixelman, of Louisville, in Pettawatomie county, who has gone to Lebanon and Syria.

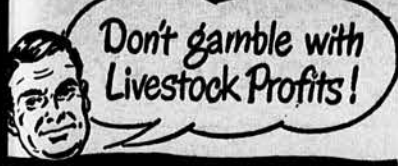


DON WEIXELMAN
Louisville, Pettawatomie County

I AM WRITING this letter (October 3) from my new home—a tent in Bukah plain of Syria. As I look out the front I can see camels bringing in rice from the paddies and men stacking rice about 50 yards from the tent. A short distance from the stack an Arabian woman is beating beans out of the dry pods with a stick. In the background are fields of corn and rice.

It's been almost 2 weeks since I left my last farm in Lebanon. I left the Labbokh farm, September 24. After spending 2 days in Beirut, E. R. Raymond, agricultural attache for Syria, brought me to this farm, where I will be staying 3 1/4 weeks.

(Continued on Page 21)



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My new host is Issam Dandashi. Issam owns no land, but supervises part of his father's land. Main crops grown on the farm are rice, corn, cotton, wheat and beans. Most work is done by hand labor.

The Dandashi family is a large family, one of the largest in Syria, in fact, having about 4,000 members. Most of the Dandashis live in Tel Kalakh, a small town about 28 miles east of Homs. The Dandashi family came to Tel Kalakh from the desert about 200 years ago and have lived here ever since...

Issam's immediate family is large in comparison to ours. Issam's father, a spry man for 80 years old, has 3 wives and 11 boys and 6 girls. Issam, who is 27 years old, is married to one wife and has one daughter. The family has the religious preference of Moslem. Even tho the older men have more than one wife, the younger only have one and are satisfied.

Respect Father's Word

The family is patriarchal in nature. The father is at the head and his word is respected by his sons and daughters.

The type of economic system which is used in agriculture is serfdom. I have hated to use the word serfdom before, but here they have it and like it so I don't think anyone will be offended. In this system there are 3 classes—wealthy landlords, clerks and stewards, and laborers and servants. Classes do not associate very much except for business purposes. The landlord does very little work—all of it is executive in nature. Clerks and stewards direct workers in the field, and laborers who receive 2 Syrian pounds a day (68 cents) do the work. Lower classes pay a great deal of respect to the higher.

I am really enjoying myself here. I like this camping out in this kind of weather (no rain) very well. I have been well accepted into the male side of the family but so far I haven't met any women. The Dandashis are the most hospitable people I ever met...

They extended their hospitality even further the other night when Don Snok, his wife, and another American couple from the American Embassy, stopped to see me. Don only meant to stay a few minutes, but his mind was changed. Issam first of all took him for a ride on one of his Arabian horses while Hossan, his brother, showed us how to grind coffee beans for Arabian coffee. After Don finished his horseback ride Issam called in some gypsies to play Arabian music and dance the Arabian dances.

Life in a Tent

Life here at the tent is very interesting and somewhat unusual for an American. We get up at 6 and are served tea as soon as we are dressed. About half an hour later we eat breakfast. After breakfast I went with Issam on horseback for a ride thru the farm. We looked over the crops and saw how the work was coming along... Rest of the day is spent around the tent talking with friends and drinking tea or coffee. It's quite a leisurely life for an American. Usually we eat lunch at 2 and dinner at 8. Sometimes in the evening, Abraham, Issam's servant here at the tent, dances the Arabian dances for us. Politics is the center of conversation in the evening since Syria election is coming up in a few days. I usually go to bed about 10. Mosquitoes are bad here so we sleep under a tent... Sincerely, *Don Weixelman.*

Christmas Playlet

"Christmas in Toyland" will interest the children. It is a playlet with cast of Mr. and Mrs. Santa and several characters representing "Fifi," "Raggedy Ann," "Little Boy Blue," and others. Scene takes place in Santa's Toy Shop. Good for school, Sunday school or community program. Send your orders to Entertainment Editor, *Kansas Farmer*, Topeka, and enclose 5c for each copy desired.



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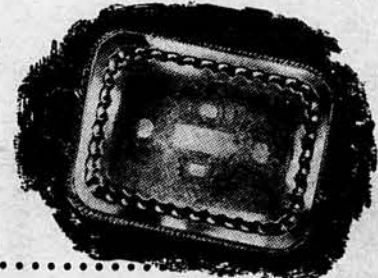
Your wife will love a new "Constellation" for festive cooking—or everyday cooking—for years and years to come! She knows this sparkling new Skelgas beauty means modern cook-

ing at its delightful best—so smartly designed and so ruggedly built.

She will really appreciate the "Constellation's" host of practical work-saving, meal-saving features, too! The huge Thermo-flo Oven, the Grid-Master Griddle that quick-changes into a giant top burner, and the Broil-Master Smokeless Broiler—to name just a few! See your local Skelgas Dealer and select her new Skelgas Constellation Range now!

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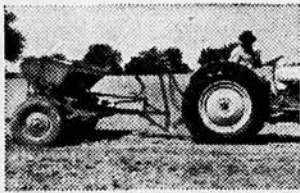


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More and more farmers are finding there is an easier way to farm . . . with Ford Tractor power. It's the tractor, they find, that not only makes field work go faster and easier, but also handles so many extra farm jobs that formerly required hard work.

Such jobs as loading manure, digging post holes, scooping feed, digging ditches, and many others—all can be handled with the Ford Tractor and low cost, easily attached Dearborn Equipment.

So if you want to take more sweat, backaches and slow toil out of your farm work, you owe it to yourself to see how much easier you can get your work done the Ford Farming way.

And don't forget the power you need costs less in a Ford Tractor!

Your nearby Ford Tractor Dealer will gladly arrange a "try out" of the new powerful Ford Tractor and work-saving Dearborn Equipment on your own farm, at your convenience.



FORD TRACTOR DIVISION
FORD MOTOR COMPANY
Birmingham, Michigan



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Thoughts TO LIVE BY

Handling Interruptions

DO INTERRUPTIONS get you down? When people keep you from doing what you planned, when they cause you to get behind in your schedule, do they make you nervous and tense? Interruptions can be very irritating.

Here is a woman who plans to bake a couple of pies. Before she gets started, a neighbor drops in for coffee. Before she leaves a persistent salesman wedges his way thru the front door. As he leaves, the telephone rings. There is a long conversation during which the program for the next P.T.A. meeting is planned. By the time that is finished, it's time to start lunch for her daughter who will soon be home from school.

Or here is a farmer who intends to cultivate his corn. But while he is eating breakfast, a neighbor calls to report the fence is broken and his cattle are out of the pasture. A salesman is waiting for him when he gets back. There is a new corn picker that would save him hours of time in the fall. While he is dickering about the price, the mail arrives. His brother would like to bring his family out to the farm, and he wants to know by return mail whether they can come. That calls for a family pow-wow immediately. The morning flies by and he doesn't get to the cornfield. And in the afternoon, a neighbor comes to the field to talk about some new regulations. By evening, he is angry. He wants to farm. Why won't people let him?

If you work as I do at a desk, you know what interruptions can mean. Someone wants your counsel. There is a long-distance telephone call. Information is needed which it may take an hour to obtain. There is an urgent letter that requires a recommendation immediately. A staff conference is called to determine a new policy. An article or a report is due at noon.

Such interruptions can raise your blood pressure. They can cause other physical maladies, and they can ruin

your disposition. How can they best be handled?

A few people can shut themselves off from their fellow men. It is possible to hang a "Don't Disturb" sign on the door, but that doesn't foster good relations. Furthermore, it takes a certain kind of disposition to do it. It is easier for most people to adjust to interruptions. They will be with us as long as we live, and not only with us, but with nearly everyone else.

Interruptions have proved of value to many people. And some people have missed golden opportunities when they turned their backs upon them. Alexander Graham Bell interrupted Mark Twain to sell him some stock in the company he was forming. Twain couldn't be bothered. He was too busy to get interested in a new invention. What a fortune he didn't make.

Look at Jesus. Notice how he handled interruptions. Jairus came to him one day beseeching him to come and heal his daughter. A crowd accompanied him. In this jostling mass of humanity, there was a woman with an issue of blood. She had spent all her money thru the years in a vain search for help. She believed if she but touched his garment, she would be made whole. And her faith was justified. But no sooner had she touched him than Jesus turned to see who she was. He knew her touch was different from others. And he took time to speak words of encouragement to this grateful woman. He did this while he was on the way to the home of Jairus, a ruler of the synagogue. Of course, it delayed him, but he helped her.

How different he was from the Priest and Levite who looked on and then passed by the wounded man on the road to Jericho.

Change your attitudes about interruptions and instead of holding you back, they may speed you on toward a goal far better than the one you see. —Larry Schwartz

Protection Against Whooping Cough

By CHARLES H. LERRIGO, M. D.

IS YOUR BABY under 5? Has she had whooping cough? If not, she is in danger and you are the one to see that she is safe.

Whooping cough is one of the "catching" diseases—definitely catching. It is not strictly a disease of childhood. I have in mind a grandmother who bragged she never took anything, yet she contracted whooping cough from her 4-year-old grandson and had much more trouble than he in getting over it.

To the very young child whooping cough, with its paroxysms of coughing, its vomiting of food, its fever and its whoop (or even if there is no whoop) is as dangerous as smallpox. You may reason that your baby is safe because you watch the little one with jealous care and unremitting protection. You keep her safely in the protection of your home. But perhaps you also have a child of school age. Whooping cough plays no favorites. It runs thru a school like wildfire. Your child of 6, whom you safely guarded, is now in school. She comes home with a bad cold (whooping cough starts with sneez-

ing, coughing, and running nose just like a cold) and long before there is much cough or any whoop your 6-year-old has infected the baby. The older child is fairly safe to pull thru, for children of 5 or older can fight it better; but you are due for a wearisome fight to save that baby.

I write from personal experience. My oldest child brought whooping cough. (Continued on Page 23)

Angelic Christmas Party

Our new Christmas leaflet, "A White Christmas Party," suggests angels as the party theme. It features clever patterns for invitations and place cards, and gives interesting ideas for decorations, entertainment, and refreshments; suitable for church, club, school or home groups. Send your orders to Entertainment Editor, Kansas Farmer, Topeka. 3c.

from her school to her year-old sister. There were no restful nights for me or my wife in that month. When the baby coughed in the night we were both on duty until the coughing paroxysm ended. We always remember that baby's whooping cough, even tho she did get well and is now a clever grown-up in whose memory no recollection of such trouble exists.

You can give your child immunity! Big word, isn't it? And it has a big meaning. When I was a young doctor the disease most dreaded was diphtheria. In 1921 my state suffered the loss by diphtheria of 382 persons, mostly children. This awakened physicians and boards of health to the ne-

Sugar 'n' Spice

We have a new supply of the 22-page cookie booklet to offer all subscribers in time for Christmas cookie making. Together with new and unusual recipes it features the whys and hows of cookie making, decorating hints, and notes on storing and packing. Send your requests for "The Way of All Cookies" to Home Service Editor, *Kansas Farmer*, Topeka. Enclose 3c for postage.

essity for immunization. The practice became general and result wonderful. In 1950 our state had no deaths from diphtheria; in 1951 and again in 1952 the death for each year.

Do you wonder that the State Board of Health has firm belief in immunization against diphtheria?

Study and exercise proved that certain other diseases could also be immunized out of existence. It was shown the same inoculation that protects against diphtheria could carry with it protection against whooping cough and against tetanus. Of late years it has become a safeguard available for protection of children. The preparation used (familarly known as the Triple Shot) made available to local health officers and not only to the official doctors but to any physician requesting it, without additional cost.

Should Be Given Early

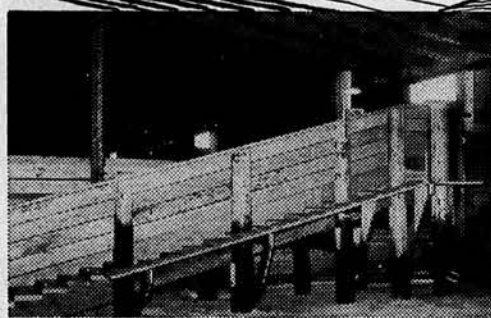
Its value as a safeguard against diphtheria is already proved. A goodly number of doctors count it of equal value in protection against whooping cough. The age of the child is important. It should be given early. Your doctor will arrange for it in the first year of life; in a healthy child let it be given as soon as possible after 4 months of age. It is of extreme importance that your baby be protected from the straining paroxysms of whooping cough in early infancy. After she has had 2 or 3 years of growth she is better adapted to make the fight against whooping cough if attacked. Mothers and fathers of families having young children who have "escaped" whooping cough should arrange immediately to make the safety net by immunization.

Name Rufus Cox

Named a member of the beef and sheep committee of the 1953 Feed Survey Committee of the American Feed Manufacturers Association is Dr. Rufus F. Cox, head of the animal husbandry department, Kansas State College. Each October, a committee of 23 outstanding agricultural college men are called together in Chicago to study the feed supply situation in the country. They estimate the probable feed shortage for livestock and poultry. Their forecasts are highly accurate, seldom have been off more than 4 per cent.

Win Scholarships

Winner of \$250 International Milling Company Scholarships to Kansas State College include Rex E. Hubbard, Wichita, and Adrianus W. Vis, Canada. Hubbard is a junior in milling chemistry, and Vis is a sophomore in milling technology.



Cut-away view of stair-step ramps at new Cheyenne yards which level footing for stock.

Double-deck stock loading platform viewed from trackside, having floor-level and stair-step ramps at each door.



Another... UNION PACIFIC DEVELOPMENT

Faster and easier handling of stock at Union Pacific stockyards is demonstrated by the new facilities now in use at Cheyenne.

In addition to the efficient feed and water facilities, the yards provide floor-level ramps between car and yard. For double deck cars, the top deck uses the new stair-step ramp, eliminating the cleated slope, which helps slope-shy stock move readily, without confusion or crowding.

Stockmen find stock handle more easily, in less time, for better arrival condition at markets.

New stair-step chutes have been installed at Cheyenne and Green River and are being installed at Laramie, Pocatello, Caldwell (Idaho) and other important feed yards. As, with the development of new type livestock cars, this is part of Union Pacific's continuous program to help livestock shippers deliver their stock at markets in best possible condition.

Be Specific-ship..

UNION PACIFIC RAILROAD

Serving the Major Livestock Areas of the West



Invest In Your Future! Buy U. S. Savings Bonds!



Aluminum FLEX-O-SEAL Portable Irrigation Pipe

By using this light-weight irrigation pipe, with pressure-tight, flexible quick coupling, you add valuable productive acres to your land... produce more and better crops. Easily and quickly assembled on rolling, uneven land... without elbows or tees. Built to last—can pay for itself in one season. Aluminum or Galvanized in 3, 4, 5, 6 or 8-inch diam. Write today for FREE booklet and name of nearest dealer.

CHICAGO METAL MFG. CO. 3736 S. Rockwell St. Chicago 32, Illinois

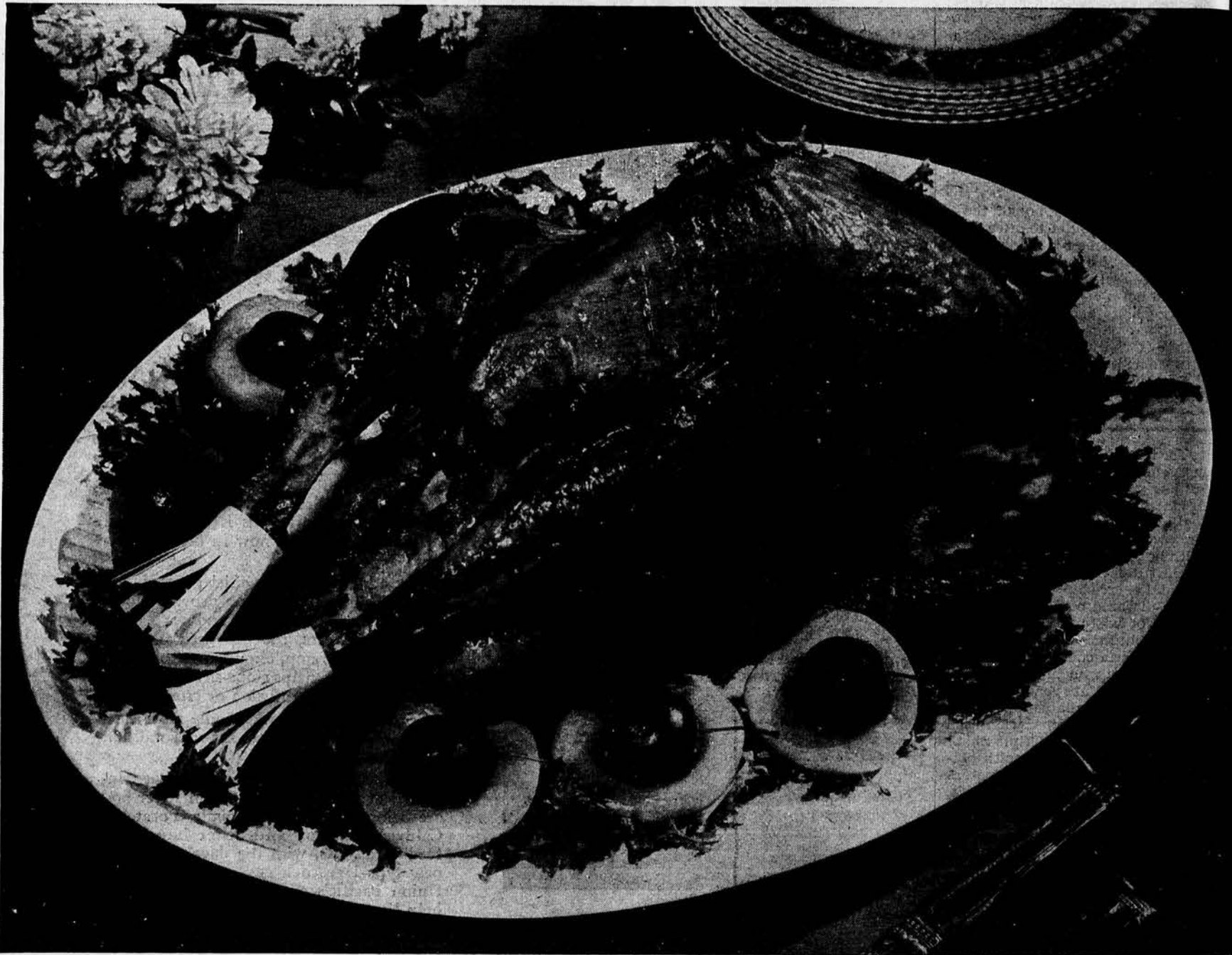
Your Best Crop Insurance...

when ordering fertilizer for next year's corn ask for an aldrin-fertilizer mix get rid of rootworm, wireworm, seed corn maggot and other soil insects

Technical aldrin, a product of Shell Chemical Corporation, Denver, Colorado, comes ready for use in brand name fertilizers.

Kansas Farm Home and Family

By FLORENCE MCKINNEY



STUFFING MAKES HOLIDAY BIRD the main attraction. Make it moist, rich and flavorful.

New Stuffings . . . FOR YOUR HOLIDAY BIRD

MOST FOLKS like the stuffing as well as the turkey, and why not? It's flavorful, light and the natural accompaniment. The turkey itself flavors the stuffing. If you cook it outside the fowl, add a rich broth for the liquid and add more than for the stuffing that goes inside.

Use bread about 2 days old and a fork for mixing to keep it light. Fill the cavity loosely for it expands during cooking. An egg and some extra fat add richness and some folks add about 2 teaspoons of baking powder to give lightness. Allow 1 cup stuffing for each pound of bird.

Giblets may be cut up into the stuffing, but others cut them into small pieces, cook and add to the gravy.

No matter what the variation may be, the seasonings you use can make or ruin your stuffing. Sage is the most common, but others like thyme, marjoram, savory and sometimes rosemary are recommended. All of these have been skillfully blended into a product called poultry seasoning. Try it sometime. Use it as a base and add more of the one you prefer.

Bread-Stuffing

1/4 cup drippings or butter	1/2 teaspoon salt
2 tablespoons chopped onion	1/2 teaspoon ground sage
6 cups soft bread cubes	1/2 teaspoon celery salt
	1/8 teaspoon pepper
	1/2 cup milk
	1 egg, beaten

Melt drippings or butter in frying pan, add onion and fry until tender. Pour over bread cubes, add salt, sage, celery salt and pepper. Add beaten egg to milk and stir into other ingredients, using a fork to mix. Fill cavity of fowl loosely. If baked outside of bird, use 3/4 cup of rich broth instead of 1/2 cup milk.

Corn-Bread Stuffing

2 tablespoons butter	1 teaspoon salt
1/2 cup chopped celery	1/8 teaspoon pepper
2 tablespoons chopped onion	1/2 teaspoon sage
5 cups soft bread cubes	1 1/2 cups corn bread, crumbled
	1 egg, beaten
	1/2 cup milk

Melt butter in frying pan, add celery and onion and fry until tender. Combine bread cubes, salt, pepper, sage and corn bread. Pour first mixture over bread mixture. Add beaten egg to milk and mix with other ingredients using a fork for mixing. Serve with giblet gravy.

Rice-Bread Stuffing

4 tablespoons drippings or butter	1 cup cooked rice
4 tablespoons diced onion	2 cups corn bread, crumbled
1 cup diced celery	1/2 teaspoon sage
4 cups soft bread crumbs	3/4 teaspoon salt
	1/8 teaspoon pepper
	2 eggs, beaten
	1/2 cup rich broth

Melt drippings or butter in frying pan, add onion and celery and fry until tender. Combine bread crumbs, rice, corn bread, sage, salt and pepper. Pour first mixture over bread mixture. Add beaten egg in broth and stir into dry ingredients with a fork. Stuff fowl. If baked outside the bird, add more broth.

Honors to Home Demonstration Agents



HELEN RUTH MEYER, home demonstration agent, Dickinson county.



GERTRUDE HOVE, home demonstration agent, Montgomery county.

TWO KANSAS home agents were honored for distinguished service by the National Home Demonstration Agents' Association during the meeting held late in October in Buffalo, N.Y. They were Helen Ruth Meyer, Abilene, Dickinson county, and Gertrude Hove, Independence, Montgomery county.

Miss Meyer has completed 10 years as home agent, working in Marshall county before continuing her work in Dickinson county. Before coming to Kansas in 1949, Miss Hove was a home agent in Oklahoma.

Miss Meyer is a past president of the Kansas Home Demonstration Agents' Association, has served on the execu-

tive board of the Kansas Home Economics Association and is now publicity chairman of the National Home Demonstration Agents' Association. Miss Hove has served as president, vice-president and treasurer of Oklahoma Home Demonstration Agents' Association.

In addition to the honored agents, the following agents attended the Buffalo meeting: Mrs. Alma Giles, Wichita; Elizabeth Woner, Anthony; Erma Neeley, Ness City; Arliss Honstead, Holton; Mary Meek, Yates Center; Inez Pass, Minneapolis; Blanche Brooks, Clay Center; Mrs. Margaret Mauk, Salina.



601

NEEDLE NOVELTIES

601—Two fashionable hats, warm in worsted, chic in chenille. Fast, too. You'll want several. Crochet directions.

7021—Iron-on designs in red and green for kitchen linens. No embroidery and washable. Transfer of 6 designs each 4½ by 5 inches.

IRON-ON COLOR DESIGNS IN RED, GREEN.

7021



7309

7309—Child's hassock of upholstery fabric or ticking with yarn or rug-cotton mane and tail, excelsior or straw for stuffing. Directions included.

504

IRON-ON COLOR DESIGNS IN GREEN, PINK.

504—Iron-on water lilies in tropic pink and forest green. No embroidery. Look like hand-painted guest towels. Washable. Transfer of 6 lilies; two 4½ by 13, four 3 by 4 inches.



Patterns are 25 cents each. Needlecraft Catalog 25 cents more. Address Needlework Editor, Kansas Farmer, Topeka.

the **NEW FOUR** for '54

Monarch

ELECTRIC-GAS-COAL-WOOD RANGES



Coal-wood-electric baking with **DIALED** heat



Yes, with this beautiful Monarch Combination range, you can bake with coal, wood or electric — set the dial to temperature you want — and be sure that your oven will **HOLD** that temperature! It means complete oven-heat control. You can now follow recipes "to the letter." Brings a marvelous advance to farm-home baking. The cooking top is half coal-wood and half electric or gas. See this range at your Monarch dealer, or write to the Monarch Range Co., 5813 Lake St., Beaver Dam, Wis.

2 MODELS { Coal-wood-electric (oil can be substituted for coal-wood)
Coal-wood-gas (" " " " " " " ")



Choice of Good Cooks Since 1896



THE CAPPER FOUNDATION FOR CRIPPLED CHILDREN

THE 1953 Christmas Seals

for the **CRIPPLED CHILDREN FUND**
Are Now Ready

The subject is a little girl whose blue eyes are full of wonder. Maybe she is dreaming of what Santa Claus will bring for her. Or, she could be a crippled child clinging to the hope that in some way she may be made well again.

If you have not received yours, return coupon today for a FREE sheet of 100 seals.

----- COUPON -----
THE CAPPER FOUNDATION FOR CRIPPLED CHILDREN
8th & Jackson Sts., Topeka, Kansas

Dear Sir—
I accept your offer to send me a sheet of 100 Christmas Seals with the compliments of the Capper Foundation. Sometime before Christmas I expect to send my contribution to the Crippled Children Fund.

NAME.....
ADDRESS.....

MUSTEROLE BREAKS UP CHEST COLDS'

CONGESTION in nose,
throat, upper bronchial tubes!

Don't fool around with a chest cold. Rub on highly medicated, concentrated Musterole. It speedily relieves coughs, sore throat and aching muscles. Musterole *instantly* starts right in to help break up painful local congestion.

Musterole creates *wonderful* protective warmth on chest, throat and back. You can *feel it work* for hours to bring long-lasting relief.

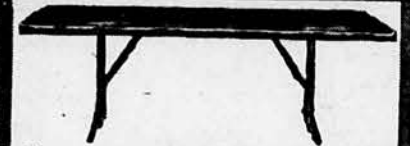
In 3 different strengths: Child's Mild, Regular and Extra Strong Musterole!

You can FEEL it work!



Reliable Advertisers Only
Are Accepted
in Kansas Farmer

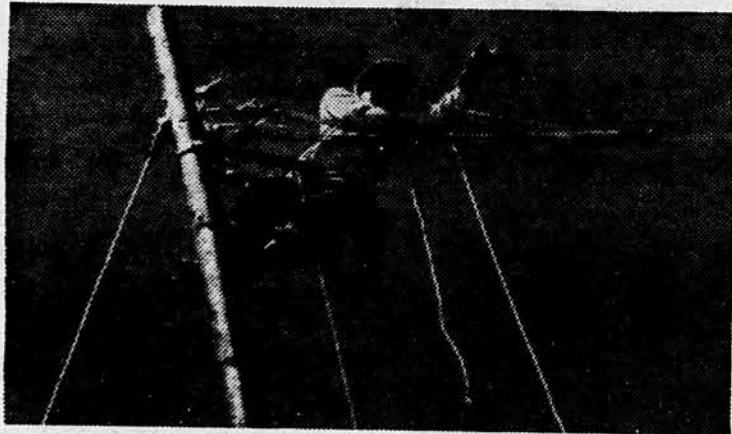
Monroe FOLDING BANQUET TABLES



If you are on the Kitchen Committee of some Church, Lodge, Club, School, etc., in your town you will be interested in this modern Folding Banquet Table. Write for Catalog and special discounts to institutions and organizations.

THE MONROE COMPANY 201 CHURCH ST. COLUMBIA, IOWA

57,700 Miles of Wire Bring Kansas Farm Families Close to Town



THE TELEPHONE WIRES that tie together the towns and rural areas we serve in Kansas would stretch around the world twice — or 57,700 miles. And we are adding many thousands of miles more as we push ahead on a construction program to bring telephone service within reach of every farm home in the areas we serve. Already there are twice as many Southwestern Bell rural telephones in Kansas as there were at the end of World War II. In 1953 we are spending more than \$2½ million to push still more telephone lines out to the farms around the communities we serve. **SOUTHWESTERN BELL**

A TEAM OF 6,900 KANSAS TELEPHONE PEOPLE . . . PARTNERS IN KANSAS' PROGRESS.

KNOW YOUR BIRDS . . .

By L. B. CARSON

*He sits and chirps all day long
With what to him must be a song,
He thinks your home a place to nest,
Which wins for him, the name of
pest.*

THIS BIRD did not originate in England and is not a sparrow. Some folks do not blame the English and just call him a house sparrow, but whatever you call him, he is here to stay, so why not give him credit for the numerous insects he destroys and the fact he is contented to spend his life in your neighborhood and be thankful for the crumbs you offer. He has cast his lot with man and adapts himself to either a mansion or hovel. He nests in your birdhouse, sleeps in your garage, eats your grain and makes himself thoroly at home with whatever you have to offer. There is nothing bashful about this bird and he is rugged enough to fight for what he wants.

After careful study, Prof. Peter P. Sushkin points out that this bird originated in Africa and belongs to the weaver-bird family. This no doubt accounts for the bulky nests this bird constructs when he is unable to find boxes, holes in trees or other suitable places to hide his nest. First introduced into Brooklyn in 1850, when 8 pairs were liberated, this bird soon adjusted himself to conditions and spread across the country. The undigested seeds in horse droppings provided sufficient food to carry him thru winters and thatched roofing on sheds made a warm retreat. When automobiles replaced horses, sparrows decreased in numbers, for only in summer do they find anything to eat around a car. Then they check the radiators for whatever they offer in half-baked insects.

Starlings Passed Peak

The introduction of starlings made it more difficult for sparrows to find food and nesting places, so they have probably passed their peak.

Wherever the sparrow goes, he is branded with being a thief, feathered rat or other names which would not look well in print. There are several reasons for this unpopularity. He likes to roost around your home and leaves things in a filthy condition. He fills your gutters with straws and feathers, causing damage to homes and impurities in cistern water. He lays claim to martin and bluebird houses before the rightful owners return. He takes a heavy toll of growing crops and vegetables and is not adverse to helping himself to ripen-

The English Sparrow



ing fruit. And still, we must give him credit for being on the job when insect pests arrive. Then he helps repay some of his debts. Tons of weed seeds cannot be overlooked.

Breeding season finds the males in bloody combat over some choice nesting site, or an alluring female. So intense are these battles, they often fall to the ground, still struggling. The victor is often mauled by the female of his choice, just to let him know who wears the feathers in that family. Nests are started early and both birds help build the nest and care for the young. Several broods are produced each year and while the mortality is heavy, there are ample birds to replenish the stock. Cats, snakes, bluejays, hawks and owls account for a portion of these birds while heavy rains drown many young where nests have been placed in gutters. Severe winters reduce the population in the northern part of its range.

Those who operate bird feeders can study the habits of this bird for he is quick to take advantage of their offerings. He not only fights all comers for a place in the feeder, but scatters the grain so his relatives can find ample grain on the ground below the feeder. Only the bluejay seems to have him bluffed. Perhaps he feels that he might become a part of this bird's banquet if he pressed matters too far.

Sparrows are always alert and any slight movement or noise will put a flock to flight and they try to feed close to some convenient shelter. They hide first and check the cause for alarm later. This accounts for the numerous healthy sparrows we find.

The Reader Wants to Know

Late in July, birds came which were yellow underneath from bill to tail and gray with a yellowish cast over their backs from bill to tail. They had 2 white bars on their wings like the white-eyed vireo, also light outer edges on the large wing feathers, but no eye rings.

The birds were quiet while sitting on the fence, no twitching of tail, wings or head. They ate a few hollyhock seeds while near our birdbath. We have been unable to find any bird in our bird book which fits their description. They had a thin bill and were slightly larger than a sparrow.—Mrs. R. E. Hockens.

Your description most nearly fits the plumage of an immature Baltimore oriole. These birds require at least 2 years to attain orange and black markings of the adult male and resemble the female except for head coloring. These immature males are confusing in spring when they start singing. You expect to see the brilliant plumage and find a quite different bird. He sometimes breeds in this plumage and must be persuasive to lure a mate from the highly colored competition he encounters.

Can you tell me where I might get color pictures of all birds, especially state birds with descriptions of their habits, color and size of eggs. My daughter wants them for her school work. She enjoys the pictures and stories. (Continued on Page 27)



MORTON CURED MEAT

...a treat the whole family enjoys

TEMPTING, delicious ham and bacon with all their natural goodness! These unmatched flavor favorites can be yours, every time, when you cure meat the modern Morton way.

Morton brings you the benefits of many years of meat-curing experience—convenient, ready-to-use products. That's why you can count on Morton products for the most uniformly flavored hams, shoulders and bacon you've ever tasted . . . why they save you time, work and money. And the Morton way fits your way . . . whether you dry cure, brine cure or use a meat pump.

See your Morton dealer now. Find out for yourself how easy it is and how good home cured meat and sausage can be. The Morton Salt Co., Chicago 90, Ill.

THE MORTON WAY FITS YOUR WAY



HEARING BAD?

If so, you will be happy to know how we have improved the hearing and relieved those miserable head noises, caused by catarrh of the head, for thousands of people (many past 70) who have used our simple Elmo Palliative Home Treatment in the past 16 years. This may be the answer to your prayer. **NOTHING TO WEAR.** Here are **SOME** of the symptoms that may likely be causing your catarrhal deafness and head noises: Head feels stopped up from mucus. Dropping of mucus in throat. Hawking and spitting. Mucus in nose or throat every day. Hearing worse with a cold. Hear — but don't understand words. Hear better on clear days. Worse on rainy days. Head noises like crickets, bells, whistles, clicking, escaping steam or many other sounds. If your condition is caused by catarrh of the head, you, too, may likely enjoy such wonderful relief as many others have reported. **WRITE TODAY FOR PROOF AND 30 DAY TRIAL OFFER.**



THE ELMO COMPANY
DEPT. 4KAS DAVENPORT, IOWA

Have a Question About Birds?

If you have a question about birds address letter to Florence McKinney, home editor, *Kansas Farmer*, Topeka, Kan. Want to know about identification of a particular bird, how to attract birds, let us know. Questions and answers will appear in later issues.

es about birds in your magazine and as saved every one.—Mrs. Pearl Lauach.

The National Audubon Society, 1130 Fifth Avenue, New York City, can supply you with bird pictures and information which will be useful. The Audubon Bird Guides," written by Richard H. Pough with illustrations by Don Eckelberry, are both good. If you want a book showing both birds and eggs in color, "Birds of America," published by the Garden City Publishing Co., Garden City, N. Y., is a good reference. "A Field Guide to the Birds" by Roger Tory Peterson is a standard book for identification. You will need the one on eastern birds. Your local bookstore may have some of these books or will order them for you.

For the Best in Scrambled Eggs

There are scrambled eggs and scrambled eggs, and for the best there are a few tricks to give them the just right perfection.

Many cooks spoil this dish by starting to scramble the eggs too soon. Let the mixture cook over low heat until the eggs have coagulated, then stir lightly to form big clumps. After this first stirring, let the mixture stand again for a minute or two, then stir the

second time. Turn the heat off before the eggs are cooked dry and allow them to stand in the skillet to finish cooking. Scrambled eggs are spoiled by too fast, too high a temperature and too long cooking. Eggs that separate into dry curds and a watery fluid have been overcooked.

For variations, use tomato juice instead of milk for the liquid. Grated cheese or cooked bacon or ham bits

Christmas Lights

Time now to get ready for those Christmas programs. The following Christmas playlets will interest all age groups:

"Christmas Lights," a pageant requiring 7 characters. Especially suitable for church or school programs. Price 5c.

"The Beautiful Symbols of Christmas." Characters include a boy announcer, a choir, any number of boys and girls from the first grade up, to be assigned various parts. Price 5c.

Send requests to Entertainment Editor, *Kansas Farmer*, Topeka.

can be added to the egg mixture before cooking. Cottage cheese in the proportion of a quarter cup to 2 eggs is a pleasing variation. If the cheese is creamy, no further liquid is needed.

Women Like Dryers

We've heard women say that their clothes dryers are their favorite piece of home equipment. They save time and effort in carrying heavy baskets of wet clothes and of reaching, stretching, bending and stooping at the clotheslines. Tests now show that clothes from the dryer are as white as from off the clothesline in the sun. And to their credit, they fade less in the dryer.

FASHIONED FOR YOU

4652—The 2-piece dress that's always smart. Peplum pockets and narrow skirt. Misses' sizes 10 to 20. Size 16 takes 4½ yards 39-inch fabric; ¾ yard contrast.

4894—For shorter, fuller figures. Slimming paneled hipline, new neckline, soft bodice, graceful skirt. Half sizes 14½ to 24½. Size 16½ takes 4¾ yards 39-inch fabric.

4870—Smartest style of the season, tiny yokes at neckline, slender skirt. Women's sizes 34 to 48. Size 36 takes 3¾ yards 39-inch fabric.



4652
SIZES
10—20



4870
SIZES
34—48



4894
SIZES
14½—24½

Patterns are 20 cents each. Address Fashion Editor, *Kansas Farmer*, Topeka.

I SAVE AN HOUR BAKING THE BATTER-WAY

BATTER-WAY BAKING GIVES ME PERFECT ROLLS —EVERY TIME!

BATTER-WAY ROLLS

1½ cups warm water (110°-115°)
2 pkg. Red Star Special Active Dry Yeast
4 cups sifted all-purpose flour
¼ cup sugar.....1½ tsp. salt
½ cup soft shortening.....1 egg

take about 1 to 1½ minutes. **SCRAPE** down batter from sides of bowl. Cover bowl with waxed paper and let rise in warm place until doubled—**about 30 minutes**. Meanwhile grease 1½ dozen large muffin cups. **STIR DOWN** batter in 20 to 25 strokes and spoon into the muffin cups, filling ½ full. Let rise in warm place until batter reaches tops of muffin cups—**20 to 30 minutes**. **BAKE 10 to 15 minutes**, or until well browned on sides and tops, in **hot oven (425°)**. Remove from pans and cool on racks.

POUR the warm water into a large mixing bowl, and add the yeast. Let stand a few minutes, then stir to dissolve. **ADD** half the flour, sugar, salt, soft shortening, and egg. Start the mixer on medium speed (or beat by hand) and beat until smooth—**1½ to 2 minutes**. **STOP MIXER**. **ADD** the rest of the flour and stir in by hand until the flour disappears. It will

THE BATTER-WAY IS SO EASY, TOO—ANYONE CAN DO IT

TAKE A GREYHOUND TO California!

Think **Only \$33.60** plus tax of it! **to CALIFORNIA** (Los Angeles from Kansas City)

You'll get there *sooner* by Greyhound . . . and you relax in a well-ventilated, weatherized Greyhound that provides deep-cushioned comfort and the Western scenery at eye level!

No worries by Greyhound—your local agent will arrange your hotel reservations for the whole trip . . . and help you plan your vacation at no extra cost!

Ride Greyhound's new "Highway Traveler" bus with the revolutionary Air Suspension Ride . . . the smoothest ride in all transportation. It's actually floated on *air*!

And remember: your Greyhound agent will plan a pre-paid California Tour including hotels, special sightseeing and round trip transportation all at one low cost!

MEXICO
Wonderful Greyhound trip revealing all the color and interest South of the Border!

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An interest-packed tour of famous national Patriotic shrines and Washington!

NEW YORK
See the Big Town! A round of excitement in our largest, most fabulous big city!

FLORIDA
Sunny ocean beaches, fishing and the beautiful Everglades await you on this Greyhound trip.

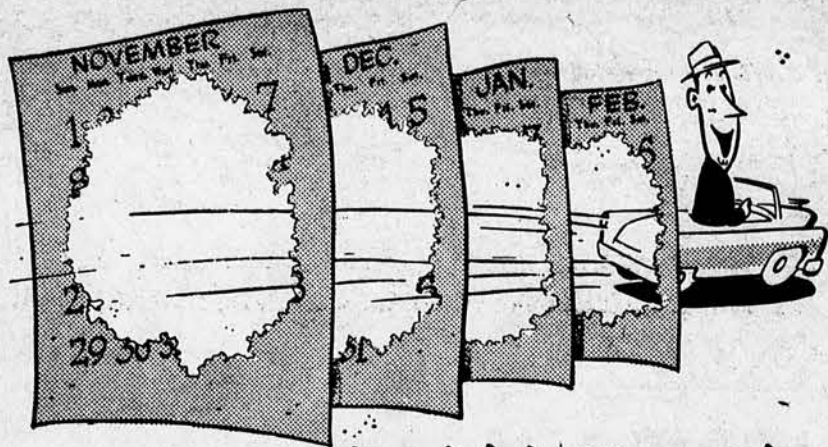
GREYHOUND

GREYHOUND TRAVEL BUREAU
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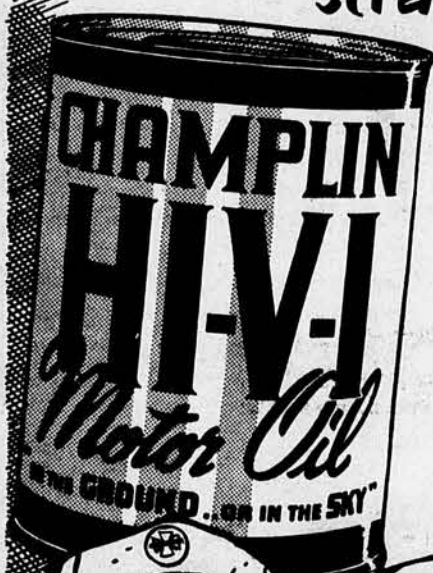
Send this coupon for Greyhound's colorful FREE Travel Folder. Mail it today!

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straight through-



COLD WINTER MONTHS

Instant Flow at 35° Below



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Heavy-Duty HI-V-I motor oil is right because it fulfills the special requirements of engines during cold weather operation. The first and most important requisite is stability at all temperatures for dependable protection.

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And it didn't hurt—done with PÖL. Just brush on PÖL and it forms a tough film fast. Horn buttons soon peel off. Won't ooze to harm calf's face. No danger to cow when nursed. Easy for one man alone to do the job. Each \$1.25 bottle dehorn 12 calves or kids. Be a pal . . . use PÖL. Your

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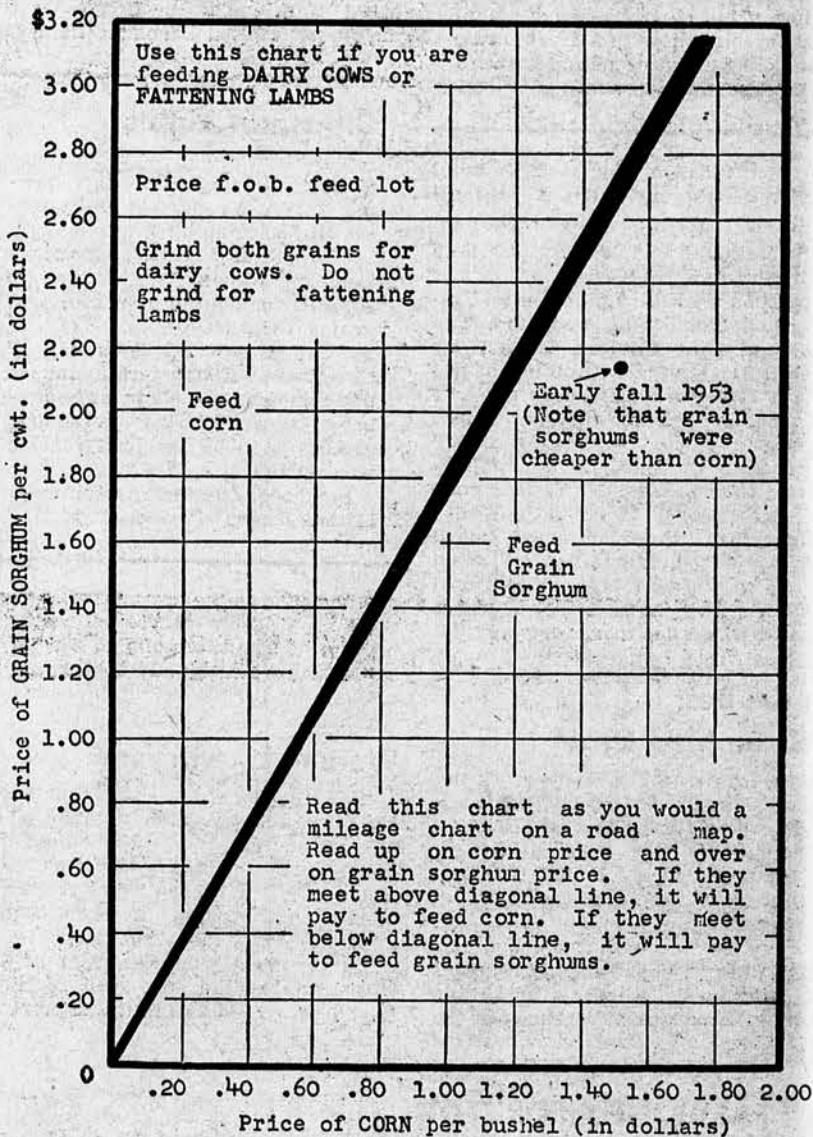


Dr. Hess dealer has it. Dr. Hess & Clark Inc., Ashland, Ohio

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WHICH IS BETTER BUY... CORN OR GRAIN SORGHUM?

By LEONARD W. SCHRUBEN, Professor of Agricultural Economics, Kansas State College



This is written to make it easy for you to compare prices with relative feeding values of corn and grain sorghums. The market often offers an opportunity to reduce cost of farm production as is explained in this article. You like to be alert to changing conditions at all times, but especially during this period of cost-price squeeze.

YOU PROBABLY know of a horse or dog that is gun shy. Some folks are "figuring shy" when it comes to buying feed grain. They don't like to "figure" which grain is cheapest.

As a result, they go on buying the same kind of grain to feed year after year. This can be an expensive habit because grain prices are always changing. Feeders often are able to cut costs by buying the cheapest grain available relative to the job it will do in the feed lot.

Of course, it takes some "figuring" to decide which is the best feed grain

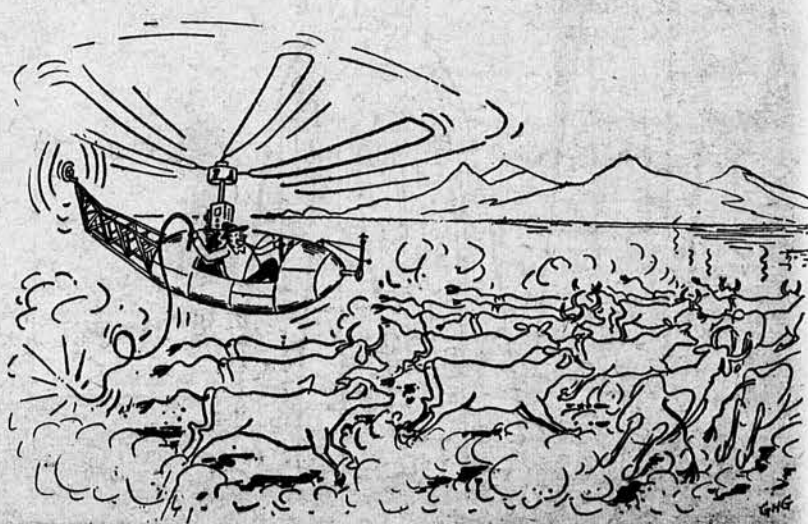
to buy. After all, corn prices are quoted in bushels of 56 pounds and grain sorghum prices are quoted in 100-pound lots. On top of this, these grains do not have the same feeding value per pound in all uses.

If you are interested in comparing the price of corn and grain sorghum you should like the 2 accompanying charts. The proper mathematical adjustments have been made so you can tell at a glance whether corn or grain sorghum will be the cheapest for you to buy if you are fattening cattle, hogs or lambs, or are feeding dairy cows. The "figuring" has already been done.

The charts were prepared on the assumption that the grains would be properly prepared, such as grinding when necessary, and that a balanced ration would be fed. It also was assumed that the grains were of average quality such as commonly produced in Kansas.

Over a long period of time, the corn

(Continued on Page 29)



"Git along, little dogie, git along, git along—"

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For constipation, never take harsh drugs. They cause brutal cramps and griping, disrupt normal bowel action, make repeated doses seem needed. Get sure but gentle relief when you are temporarily constipated. Take Dr. Caldwell's Senna Laxative contained in Syrup Pepsin. No salts, no harsh drugs. Dr. Caldwell's contains an extract of Senna, one of the finest natural vegetable laxatives known to medicine.

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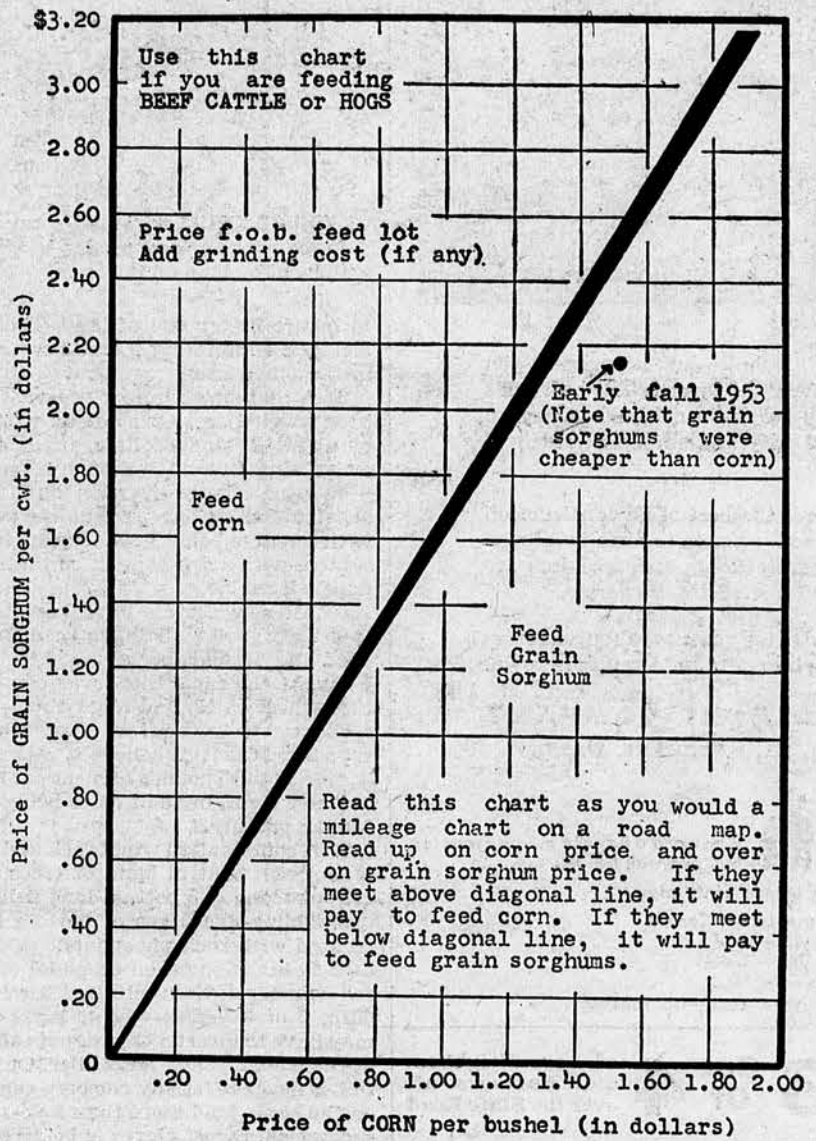
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and grain sorghum market price relationship will be about the same as their feeding value. This is because both are used primarily as livestock feed and both compete in about the same market. But you as a feeder do not buy in the "long-time" market! You don't usually have much leeway but buy on fairly short notice. It's the local market where you buy, not the central market that counts.

An analysis of prices over past years indicates that the market at any given time doesn't usually reflect the relative feeding value of corn and grain sorghums. Sometimes one is the better

buy and sometimes the other. Last spring, grain sorghums were overpriced. This fall they have been about 50 cents per hundred cheaper than corn when fed to dairy cows. At any given time one grain will most likely be cheaper than the other.

With feeders in a price-cost squeeze, anything that will do the same job at lower cost should be examined. In mid-October, a farmer who bought 1,000 bushels of corn on the market (at average prices) could have obtained the same feeding value for \$260 less by buying grain sorghum. Why needlessly feed your profits away?



Welding Survey Shows How You Save by Repairing Jobs at Home

ONE HUNDRED progressive farmers in various parts of the U. S. recently were questioned on use and value of arc welding on their farms, by The Lincoln Electric Company, Cleveland, O. Kansas Farmer for July 4, brought you results of a survey the company conducted with 25 deans of agriculture on economic savings possible by use of arc welding on farms. Here are results of the survey with a representative group of farmers:

Question A—What were savings in dollars per year in repair of farm equipment by arc welding at home rather than purchase of new parts?

Answer—Saved from \$100 to \$300, 54 per cent; saved from \$300 to \$1,000, 14 per cent; saved over \$1,000, 8 per cent; saved from \$50 to \$100, 16 per cent; saved up to \$50, 8 per cent.

Question B—What were savings in dollars per year in repair of equipment at home rather than dismantling a piece and taking it to a commercial welding shop in town for repair, including cost of trip and cost of repair?

Answer—Saved from \$100 to \$300, 56.8 per cent; saved from \$300 to \$1,000, 13.7 per cent; saved over \$1,000, 11.3 per cent; saved from \$50 to \$100, 18.2 per cent.

Question C—What were savings in

dollars per year in being able to save crops which otherwise would be lost due to weather conditions and made possible by immediate and quick repairs?

Answer—Of 50 farmers who answered this, 30 of them had that experience, and 27 estimated savings at a total of \$14,800. Many said arc welder at home gave them peace of mind, great savings of time, savings of many bushels of grain and tons of hay before a rain hit, savings on old machinery by repair.

Question D—What were savings in dollars per year on making gadgets and simple machinery including laborsaving devices over cost of new similar equipment?

Answer—Saved from \$100 to \$300, 38 per cent; saved from \$300 to \$1,000, 38 per cent; saved over \$1,000, 12 per cent; saved from \$50 to \$100, 6 per cent; saved up to \$50, 6 per cent.

Question E—What is biggest advantage in doing own welding?

Answer—The time element, 49.1 per cent; money saved, 13.3 per cent; getting work done right, 11.7 per cent; being able to remodel, redesign and rebuild machinery, 9.1 per cent; building laborsaving gadgets, 5.9 per cent; satisfaction of doing own work, 3.3 per cent.



MAYBE that sounds like double talk, but there's a lot of truth in it. You see, I just filled a corner of my barn with BEM BRAND fertilizer. To me, that's like bringing in part of next year's crop right now. BEM nearly doubled my 1953 harvest, and I expect it to do the same thing in 1954.

Next week I'll get that BEM BRAND into my soil. That way it'll be working all winter long . . . improving the soil and getting it ready for next year's crop.

Some of my neighbors haven't caught on to fall fertilizing yet, but it makes good sense to me. By buying now, I got the exact grade of BEM BRAND I wanted, and won't be worrying about shortages next spring. Another thing, I'm not too busy now, and I can pick most any day to fertilize.

Sound like I'm stuck on BEM BRAND? Well, you're right! My dealer tells me BEM contains nitrogen, phosphate, and potash . . . plus important secondary minerals. That's why it's called the "bonus brand"! BEM's made right here in our area, too; it's right for my farm . . . and yours.

Yes, sir, I'll always stick with BEM BRAND 'cause BEM's always done right by me!



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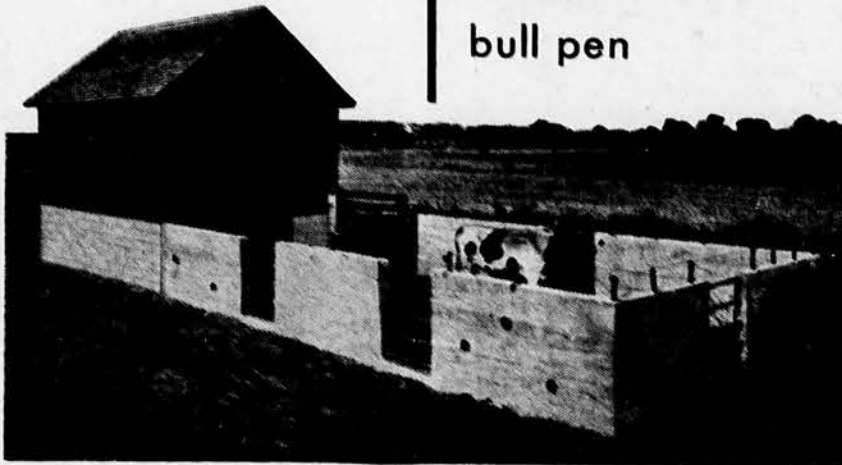
TEST YOUR SOIL . . . YOUR COUNTY AGENT CAN TELL YOU WHAT GRADE OF BEM BRAND IT NEEDS

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Your Lehigh Dealer will be glad to tell you more about concrete construction for the farm. See him next time you're in town.

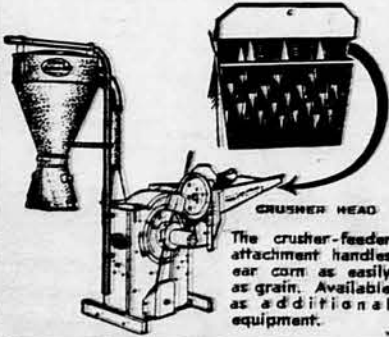
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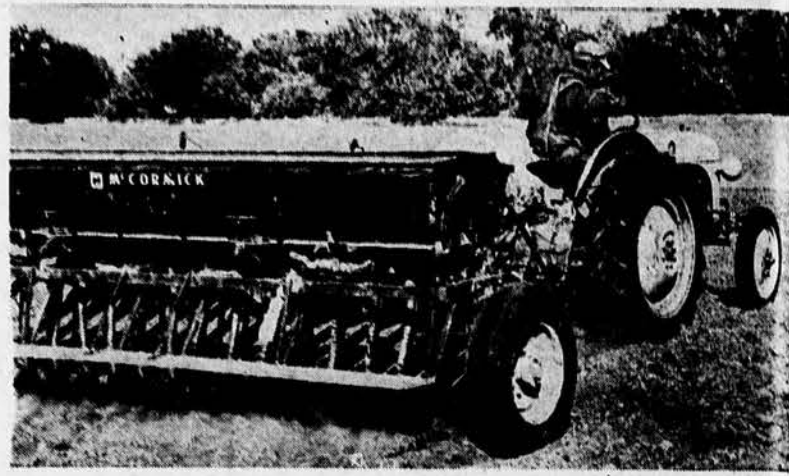
Model 123 Garbage Cooker has been designed for easy handling of hot cooked garbage. Will heat a full load up to 212°F. in less than one hour's time. Has 12" x 12" quick acting watertight door, easy to operate agitator and thermometer. Model 123 Garbage Cooker has patented heating system with Kerosene Burners. Littleford has been the foremost manufacturer of this type heating unit for more than 20 years. Be wise, get rid of VE and other diseases. The hogs you save will pay for this unit in no time. Meets all State requirements. Write for further details. Made in portable and stationary models.

"KWIK-STEAM" BOILER

LITTLEFORD

Doubled Pasture Capacity

(Continued from Page 4)



WHEAT YIELDS on Miller farm have been trebled due to proper land use, good rotation and proper fertilization. Man on tractor is Lawrence Fryberger, hired man on the farm.

to insure better use of land. This job included eliminating 9 creek crossings in the fence lines.

3. An intensive liming program has been carried on to provide an average of about 2 tons of lime an acre on everything but native pastures.

4. A mile-long diversion ditch was constructed on one part of the farm, with terraces below it. A seep area was treated with a drainage ditch that now makes it usable.

5. All new corrals have been built.

6. Two good wells have been developed and 4 ponds constructed. "When I bought the farm there was one pasture where cattle had to go a mile and a quarter to water from some areas," says Mr. Miller. "I believe it was costing me 10 to 15 pounds of meat per head in lost weight, in addition to being bad for the pasture."

7. A combination windbreak and water erosion control band of trees was set out along one bottom-land field.

8. Thirty-five acres of bottom land treated with rock phosphate.

9. Establishment on cropland of the following rotation: alfalfa, 3 years; corn, 2 or 3 years; wheat, 1 year. "I may have to insert a crop of oats ahead of the wheat," says Mr. Miller. Object, tho, is never to let any one crop remain on the same land more than 3 years in succession. Sweet clover is being tried this fall on some cropland.

10. A grain fertilization program that calls for 50 pounds of nitrogen an acre for corn, 100 pounds of 12-24-0 on wheat at seeding time and a top-dressing of 40 pounds of nitrate in the spring.

What has all this done for production on the farm? Corn averaged 50 bushels in the dry year of 1952 and 40 bushels in the drier year of 1953, but has run up to 100 bushels in better years. Wheat

averaged 39 bushels in 1952 and 33 bushels in 1953, only 13 bushels in 1951.

Carrying capacity of pastures has been doubled. In the dry summer of 1953, Mr. Miller pastured 100 head yearling steers on 270 acres of alfalfa, brome, lespedeza and prairie grass. Still has a good cover for this winter. He plans normally to carry 250 head of calves thru winter and graze them many in summer. Right now water the limiting factor as ponds are dry and his creek is dry except for small pools.

A second major benefit of the Miller proper land use program is less labor. By reducing cropland from about 1,000 acres to 300 acres, Mr. Miller getting by with one full-time hired man and part-time help of a neighbor.

All this fits into the long-range picture for agriculture. Economic speaking at a recent 2-day farm forum in Manhattan, pointed out the following long-time factors which farmers must consider in future planning:

1. Increased population will not solve the wheat surplus problem. By 1975 human consumption of grain products in the U. S. is expected to drop 25 per cent from present levels.

2. Consumption of livestock products, dairy products (excluding butter) and poultry and poultry products, the other hand, are expected to increase. Consumption of dairy products by 1975 is expected to increase 45 per cent (exclusive of butter); meat and poultry consumption is expected to increase 43 to 68 per cent.

3. There must be a continuing and perhaps increased rate of flow of population off farms into cities to keep per capita farm income in step with increased costs. This means more consolidations of small farms into larger and more efficient units.



THIS DOUBLE-ROW of trees was set out 5 years ago by Mr. Miller, both as a windbreak and to stop debris when the field is occasionally flooded by a nearby creek.

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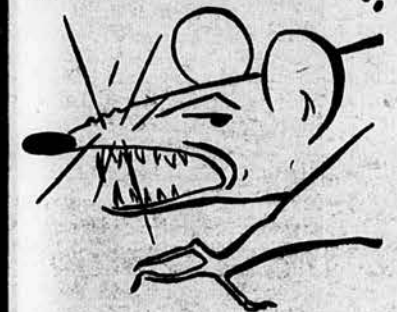
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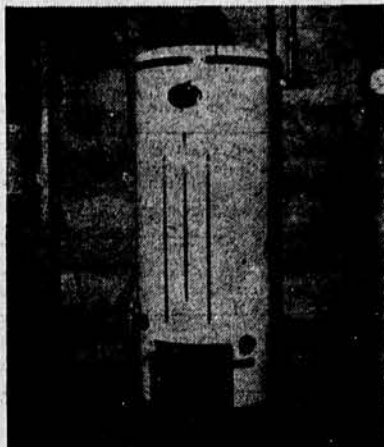
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506 Santa Fe Drive Denver, Colorado DEALERSHIPS OPEN!

Hot Water Saves Time and Labor

Automatic hot water saves lots of time and work for Mrs. Ed Helmer, Butler county, Kan. While their home was under remodeling she heated water the hard way—by wash boiler and kerosene stove. Since LP-gas and a new automatic water heater were installed, here's the time saving she calculates: Doing the laundry, 3 1/2 hours a week. Dishwashing 7 hours. Baths for the family of four, 4 hours. The 2 children are just at the right age to get good and dirty at outside play, and in summer usually require 2 baths a day.

Mrs. Helmer starts her wash when Ed goes out to milk. Then, because she cooks with LP-gas, she has plenty of time to get breakfast ready before he comes in from chores. The washing's all on the line by the time the children wake at 9 or 10 o'clock.



BECAUSE HER new heater always is full of hot water, Mrs. Helmer says it saves her 14 1/2 hours every week. That's equivalent to a long extra day for a mother of two.

New Soil Essay Contest Announced

Announcement is made of the 1953-54 national soil essay contest of the National Grange, in co-operation with the American Plant Food Council, Inc., Washington, D. C. Subject of essay is "Building Fertility to Cut Farm Costs." Any person who will not have reached his or her 21st birthday by March 31, 1954, is eligible to compete for national cash prizes, ranging from \$500 first-place award to several lower awards of \$100 each. State awards are \$50 first-place essay and \$25 cash for second place. For details, write Claude Brey, lecturer, Kansas State Grange, Ozawkie.

Name Grange Winners In State Contest

Winner of the annual Kansas Grange community service contest is Morning Grange, Johnson county. Award is a \$200 prize and entry in the national contest.

Vinland Grange, Douglas county, is winner of a 3-year community service contest, receives \$500 award. Runner-up in both contests is Ivanhoe Valley Grange, Finney county. Their award is \$100.

The following granges receive \$50 awards in the annual state contest: Vinland; Neosho Valley, Coffey county; Hayes, Jefferson county; Hurricane, Osage county; Pioneer, Kearny county, and Baker, Crawford county.

Named to U. S. Group

Three Kansas county agents have been named to committees of the National Association of County Agricultural Agents. C. T. Hall, Olathe, is co-chairman of the 4-H and older youth committee. Seward county agent, V. S. Crippen, is a member of the marketing and research committee. Don W. Ingle, Wichita, is a member of the professional improvement committee.

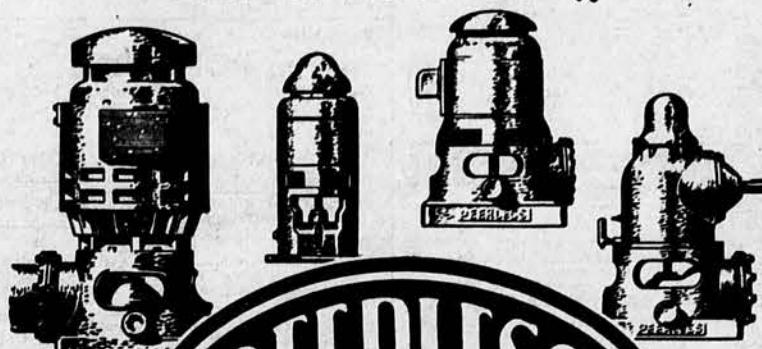
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For Sale—Arbor Acres White Rock chicks and hatching eggs. U. S. Approved, pullover passed. We hatch the year around. Write for literature and prices. Harvey Seng Hatchery, Beatrice, Nebr.

DeForest Blueblood Chicks, broiler and egg breeds. Hatching year around. Broadbreasted Bronze Poults. Guaranteed livability. DeForest Hatcheries, Box E. Peabody, Kan.

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Garden Tractors, \$100. 3HP including tools. Write: McLean Tractors, 324 West Tenth, Indianapolis 2, Ind.

Save 50% on One-way Discs. Adams hard-faced discs stay sharp for the life of the disc. Breakage, securing difficulties eliminated. Information and prices on Adams complete line of hard-faced tools furnished free. Adams Hard Facing Company, Wakita or Guymon, Okla.

For Sale, Seaman tiller, motor mounted, 1952 model, perfect. \$2,850. 228 mounted John Deere corn picker, perfect, \$850. Raymon Stovall, Mineo, Oklahoma.

Garden Tractor \$100.00 "McLean," Cultivating, plowing, mowing. Universal Mfg. Co., Indianapolis 2, Ind.

New \$300 Milking Machines—Portable floor models, complete and ready to milk, \$85. F. M. Barber, Bryan, Ohio.

Wanted: Late Model Case threshers 28 to 32 also Aversy. Charles Swetlik, Whitelaw, Wis.

● FARM EQUIPMENT
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Farmers sharpen your own one-ways and discs on the farm with our Tri-State Disc Grinder. No dismantling. Guaranteed satisfactory or money refunded. Regular price \$25.00. Special price until January first, \$22.50. Write Hyatt Mfg. Co., Kimball, Nebr.

"We Sell Rain" Irrigation—Pumps—pipes. Best aluminum coupler and gasket 4"—\$0.75, 5"—\$0.98, 6"—\$1.22. Where no dealer—buy direct factory warehouse—dealer distributor discounts. Free lunches and lodging. Conrads, Gaylord, Kan.

Wire Winder—Avoid barbed wire entanglements, use a tractor-powered wire winder. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

"We Sell Rain" Pumps—Pipe—Wheels—Skids—not undersold. Leaders in quality, price, discounts. Conrads, Gaylord, Kan. Factory Rep.

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Trappers! Big 64-page colored catalog free. Stamp appreciated. Stanley Hawbaker, Box 540, Fort Loudon, Pa.

For Sale—Ferrets to get rid of those rats. Glenn Russell, Chesterland, Ohio.

Ferrets White or Brown \$8.00 each or \$15.00 per pair. Greene Pet Farm, Wellington, Ohio.

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Dalmation pups \$10.00 and \$15.00 also grown stock. Thomas Wiles, Gordon, Nebr.

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AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual sales. Largest school in world. 20 years in operation. Don't be misled. Term soon. Free catalog. Write REISCH AUCTION SCHOOL, Mason City, Iowa

Learn Auto and Diesel mechanics or auto body repair in 16 to 25 weeks. Also short courses in lathe and welding, G.I. approved. Write for particulars. Hanson Mechanical Trade School, Box 1750-K, Fargo, No. Dak.

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● HOME HEATING
Parts for All Stoves, ranges, heaters, furnaces. Fit guaranteed. Write for prices. Give make, model and part number. Omaha Stove Works, Dept. K, 1204 Douglas St., Omaha, Nebr.

● AGENTS AND SALESMEN
Extra Cash Can Be Yours. Our expansion program has created several additional attractive dealerships. You can increase your cash. If interested in extra earnings either on a part- or full-time basis write for free information. No experience necessary. KKK Medicine Company, Keokuk, Iowa.

● FOR THE TABLE
HONEY MIXED FLOWER (Dark) 60-lb. Can FOB \$9.90
Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB... \$12.00
12-lb. Can Clover (Postpaid to 300 mi.)... 3.85
12-lb. Can Mixed (Postpaid to 300 mi.)... 3.50
Order Promptly—Supply Limited
HAHN APPIRIES, 1715 Lane St., Topeka, Kan.
Smoked Whitefish (Canadian) 10-lb. carton postpaid \$6.00. Fradet, West Fargo, No. Dak.

● PLANTS AND NURSERY STOCK
American Ginseng Free—How to grow and sell. Have seed and plants. Ginseng Gardens, Asheville, North Carolina.

● FILMS AND PRINTS
Sensationally Magnificent Jumbo Oversize finishing at contact prices. New, improved equipment produces finest work at low prices. 8-exposure roll, deluxe finish, only 40c. 12-exposure, 55c. 16-exposure, 70c. 36-exposure, \$1.50. Oversize reprints 5c each. Free mailers. Send us your next order, you will be delighted. Century Photo Service, Box 5208, Chicago 80, Ill.

Photo Christmas Cards, very personally yours. 16 cards and envelopes from your negatives for \$1.00, 100 for \$6.00. Send 35c extra if you enclose a photo. 1 deckleidge print on 8-exposure roll 25c, 2 prints each 38c.

SUMMERS STUDIO
Unionville, Mo.
No Charge—for developing roll—same day service—prints only—regular size 3c—Jumbo 4c. Refund on prints not good. Established 25 years. Square Deal Photo, Box 1153 D. Hutchinson, Kan.

20 DECKLEIDGE REPRINTS 50c
6-8 exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints, 4c each.
TINY'S PHOTO SERVICE
Box 1068-KF Topeka, Kan.

Eight-Exposure Roll printed one of each 30c; two each 40c; one each Jumbo 40c. Star Photo, Denver, Colo.

Enlarging—Professional work. Double weight paper. 5x7—25c, 8x10—40c, 11x14—80c. \$1.00 minimum. Rose's Studio, 5013 Newcastle, Riverside, Calif.

● FLOWERS AND BULBS
2 Blooming Elephant Ear bulbs; 4 tiger lilies; either lot, \$1.10; all, \$2.15. Ruth Harper, 1302 Garland, Hot Springs, Ark.

● PATENTS AND INVENTIONS
A. H. Sturges, 317 Sunderland Bldg., Omaha, Nebr. Registered Patent Attorney, U. S. Patent Office. Procedure information, evidence of invention form and patent book sent on request.

● OF INTEREST TO WOMEN
Pinking Shears—Only \$1.95 postpaid. Chromium plated, precision made. Manufacturer's Christmas overstock. Guaranteed \$7.95 value or money refunded. Lincoln Surplus Sales, 1704 W. Farwell Ave., Chicago 26, Ill.

Stainless Steel Vaporsol 18-8 One Quart Sauce Pan \$7.00; three \$9.50; four \$10.50; six \$14.00; two \$8.50; eight \$18.75. Dripolators. Pressure Cookers. Skillets. Majors, 228 Durant, Springfield, Mass.

Typists, hand writers. Nationally known mailing company provides details of spare or full time earnings, addressing envelopes, compiling lists. Details free. Allied, Box 1149E, Knoxville, Tenn.

Thrilling, Profitable Home Business. Make fast-seller, chenille monkey trees, dolls, flowers. Terrific holiday demand. Information free. Velva, Bohemia 2, N. Y.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 4911 E. 27th St., Kansas City, Mo.

Women make money at home, spare time. Sew ready cut Rap-A-Round. Easy, profitable. Hollywood Mfg. Co., Dept. AF, Hollywood 46, Calif.

Bronzed Baby Shoes mounted on picture frame. ash tray, bookends, \$5.98 C.O.D. Work guaranteed. Texoma Bronzing Service, Denison, Tex. Route 3.

Send Wool or Wool Bags. For wools, batting, blankets. Free circular. Litchfield Woolen Co., 303 N. Sibley, Litchfield, Minn.

Remnants; 2 1/2 pounds (12 yards) \$1.69; samples, 35c. Pound; Velvets, \$1.50; postpaid. Rainbow, Eastil Springs, Tenn.

Doll Hospital—Parts, repairing, wigs, made from cut hair. Fenton's, 1236 Wayne, Topeka, Kan.

● OF INTEREST TO ALL
Kindle Your Heart With Spiritual Flame—Include in your Xmas gift Plan the newest editions of Holy Bibles, Testaments, Religious Books, Distinguished books for boys and girls. Dictionaries, Health Books, etc. To get your plan ready in time, write for our free 64-page descriptive, illustrated catalog today. Eju's Specialty Sales, 1013-KF Wealthy, S. E., Grand Rapids, Mich.

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

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

Save 20% to 50% on nationally advertised, guaranteed appliances, housewares, Xmas gifts, toys, watches, cameras, jewelry. Write for free 200-page catalog. Housewares, Dept. G1, 351 W. 71st St., Chicago 21, Illinois.

Money-making Opportunities. Choose from hundreds. Read world's biggest classified medium. Free copy. Popular Mechanics Classified, 200-KF East Ontario, Chicago 11, Ill.

Sell Septic Tank, cesspool, outdoor toilet cleaner, deodorizer. Circular free. Solvex, Monticello 6, Ia.

National Cattle Events Come to Topeka

The Red Poll Cattle Club of America national Red Poll cattle record and promotional association with offices Lincoln, Nebr., held its 71st annual meeting and 11th national sale in Topeka, Wednesday and Thursday, November 11 and 12. Host organization was the Kansas Red Poll Breeder Association, of which G. W. Locke, Eldorado, is president. The Topeka Chamber of Commerce and the Kansas Free Fair Association co-operated in making arrangements.

The Topeka location for these events



G. W. LOCKE, El Dorado

resulted from the national Red Poll breed policy of holding them in different areas of the U. S. each year, the purpose being to give more breeders chance to participate conveniently and to serve the public and breed on broader base.

The national sale featured over 60 head of selected Red Poll cattle from some of the leading herds of 10 states: Illinois, Iowa, Missouri, Minnesota, Michigan, Indiana, Ohio, Nebraska, Kansas and Oklahoma. The sale was held in the 4-H Livestock Building at the Free Fairgrounds, Topeka, starting at noon, Thursday, November 11. The cattle were in place and were paraded before prospective buyers Thursday morning, November 12. Buyers and visitors attended from 12 states.

On Wednesday, November 11, starting at 1:00 P. M., Jayhawk Hotel, Topeka, The Red Poll Cattle Club held its regular annual meeting, the 71st since the association was organized in 1883. H. P. Olson, president, Alton, Ill., presided.

Wednesday evening, after the annual meeting, Red Poll breeders, members of their families, guests, and visitors enjoyed a banquet in the Hotel Jayhawk, an annual tradition of the breed. Rev. Kenneth Locke, Aurora, Nebr., was toastmaster. Speaker was Dr. Howard T. Hill, head of the Kansas State College speech department.

The 57 lots in the sale Thursday afternoon averaged \$310; 42 female lots averaged \$291.50; 15 bulls, \$361.50. Top bull, Lot 14, went at \$700, to Purdue University, in Indiana. Consignor was Roy L. Mueller, Arlington, Minn. Second top bull, Lot 1, sold for \$600, to Tracy & Sons, Nashua, Ia. Consignor was University of Minnesota. High-selling cow and calf was Lot 37, consigned by J. E. Loepcke & Sons, Penelope, Mo. Buyer was Leonard H. Woods, Mullinsville, who paid \$375 for the cow and \$75 for the calf. High individual cow, Lot 24, went at \$525 to Stone and Windsor, Ill. Consignor was M. Loepcke & Sons. High-selling open heifer, Lot 56, sold for \$515 to J. E. Aultfather, Austin, Minn. Consignor was University of Minnesota. High-selling bred heifer, Lot 49, sold at \$460 to H. L. Fuchf, Carmine, Tex. Consignor was Frank R. Brabec, David City, Nebr.

Bert Powell, Topeka, was auctioneer

CORN CENTER DOIN'S

Since Paw got them king-size Power-Grip tires he's finally found somethin' wide enough to hide out behind!

Measure the broad, wide tread of the new B. F. Goodrich Power-Grip tractor tire. You'll find that size for size, no leading make of tire is bigger than a Power-Grip. The high shoulders wear longer, are specially reinforced at the base to stand rigid as Power-Grip cleats bite into the soil. The knife-action cleats bite deeper, mesh with the soil like the teeth of a gear to give you full traction in reverse or forward. You pull through the roughest going without wasting valuable time and fuel. Yes, the new Power-Grip is the biggest tractor tire value on the market today. See it at your B. F. Goodrich retailer's. The address is listed under Tires in the Yellow Pages of your phone book. Or write The B. F. Goodrich Company, Dept. F-276, Akron 18, Ohio.

An advertisement of B. F. Goodrich—First in Rubber

**December 5
Will Be Our Next Issue**

Ads for the Classified and Livestock Section must be mailed not later than Tuesday, November 24, so they will be in our hands by

Wednesday, November 25

If your ad is late, send it in Special Delivery to 8th and Jackson Sts. Kansas Farmer, Topeka, Kan.

Dairy CATTLE

REGISTERED HOLSTEINS
HIGHER VIEW DAIRY FARM
 5 head Clyde Hills & Crescent Beauty Ad-
 vanced; serviceable-age bulls for sale or
 lease; you can raise and use a baby bull and
 receive 1/2 interest in him; an occasional 4-H
 and FFA heifer for sale; sometimes have
 good young cows for sale; have cows up to
 10 lbs. fat, 2 time milking; visit our Rit-
 way Milking Parlor.
J. D. & E. L. FELLERS, Hays, Kansas
 4 miles north of Hays, Highway 183

HOLSTEIN BULLS
 We have available bulls from baby calves
 service age. They are from dams classified
 as Very Good and Good Plus with records up
 to 26 lbs. of fat on twice a day milking and
 with lifetime records up to 160,000 lbs. of
 milk. Herd average over 600 lbs. of fat on
 twice a day milking. Prices reasonable.
ERNEST A. REED & SON
THONYMA FARM, Lyons, Kansas

AYRSHIRE BULL CALVES
 Sale—2 purebred polled Ayrshire bull calves
 in good breeding. Choice \$100.
MERTON ANDERSON, Partridge, Kansas

WISCONSIN DAIRY CATTLE
 We have Holstein, Guernsey and Brown Swiss
 cows. Yearlings and Springing Heifers. Deliv-
 er to your farm G.O.D.
W. R. GROSSE, York, Nebr., Bx. 48. Ph. 1419

Beef CATTLE

**Angus heifers make
 SUPERIOR MOTHERS**

Less calving trouble
 Angus heifers have less calving trouble, for
 their calves have smaller, polled-shaped
 heads. Gives you more calves to sell.

Give more milk
 Angus cows are alert, aggressive mothers
 and provide more milk for their calves.
 Sell you bigger calves to sell. Be ahead!
 Buy an Angus herd! Buy Black heifers!
American Angus Assn., Chicago 9, Ill.

Public Sales of Livestock

Aberdeen-Angus Cattle
 November 23 and 24—Thompson Angus Ranch,
 Amarillo, Tex. Ray Sims, Sales Manager,
 Belton, Mo.
 November 25—Glenwood Farm, Overland Park,
 Kan.
 December 7—Annual Registered and Commercial
 Sale, Dodge City, Kan.
 February 10—Chisholm Trail Angus Breeders,
 Caldwell, Kan.
 March 26—Ed Polka, Riverton, Nebr. Sale at
 Franklin, Nebr.
 March 29, 1954—Ericson-Thalman Davis,
 Hutchinson, Kan.

Hereford Cattle
 November 23—Solomon Valley Hereford Assn.
 Sale, Osborne, Kan.
 December 2—Tredway 9th Sale, Oakley, Kan.
 December 2—Ted A. Brown, Fall River, Kan.
 December 3—Frank R. Condell, El Dorado, Kan.
 December 4—South Central Hereford Assn.,
 Newton, Kan.
 December 12—Glenn I. Gibbs, Manchester, Kan.
 Sale at Clay Center, Kan.
 December 16—Salina Hereford Sale, Gene Sund-
 gren, Sale Manager, Salina.
 January 13—Willow Creek, Canton, Kan.
 January 23—Walnut Valley Hereford Ranch,
 Wattle Bros., Winfield, Kan.
 January 30—NEK Hereford, Topeka, Kan.
 February 3—Kaw Valley Hereford Sale, Man-
 hattan, Kan.
 February 4—Olivier Bros., Harper, Kan.
 February 9—EG Herefords, Colby, Kan.
 February 26—Sam Gibbs, Clay Center, Kan.
 March 1—Marshall County, Marysville, Kan.
 March 3—Great Plains Herefords, Hill City, Kan.

Polled Hereford Cattle
 November 21—Jesse Riffel & Sons, Enterprise.
Quarter Horses
 December 15—Clarence Johnson, Manhattan,
 Kan.
Duroc Hogs
 February 3—Kansas Duroc Breeders Associa-
 tion, Salina, Kan. Dean Bell, Secretary,
 Lebanon, Kan.

Ayrshire Cattle
 November 24—Robert & Frank Ralton, Jeffer-
 son City, Mo.

TREND OF THE MARKETS

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

	Week Ago	Month Ago	Year Ago
Fed Steers	\$27.25	\$26.50	\$34.50
Hogs	20.75	21.75	17.35
Lambs	20.00	19.50	22.00
Hens, 4 to 5 lbs. ....	.22	.22	.23
Eggs, Standards .....	.44	.47	.45
Butterfat, No. 1 .....	.58	.54	.62
Wheat, No. 2, Hard ...	2.54 1/4	2.46	2.55 1/4
Corn, No. 2, Yellow ...	1.49 1/4	1.50 1/4	1.61 1/4
Oats, No. 2, White .....	.88 1/4	.88 1/4	.97 1/4
Barley, No. 2	1.26	1.26	1.53
Alfalfa, No. 1	30.00	30.00	45.00
Prairie, No. 1	25.00	25.00	30.00

**GLENWOOD ANGUS FARM
 DISPERSION SALE**



**107 LOTS, 140 HEAD
 SELL ON**

**Wednesday,
 November 25**

Sale at the farm 2 miles south of
**Overland Park,
 Kansas**
 on 69 Highway at 95th St.

10 BULLS—All tried and proven with one exception—A 1953 Bull Calf.
35 COWS WITH CALVES at side and mostly rebred.
30 BRED COWS AND HEIFERS. Some of them will calve by sale day.
32 OPEN HEIFERS. Some will be bred by sale day.

We must disperse this herd—Due to the encroachment of suburban development in this community we have decided to close out our farm and cattle operations and sub-divide the farm. This affords a great opportunity to secure good breeding and replacement cattle, as over 140 head comprise the offering, including many attractive "three in one" lots that are always good buys in any cattle auction.

These Angus are not pampered—They are in good condition, not pampered, but in the best of breeding form which assures continued production for their new owners. Popular bloodlines—The most popular bloodlines of the Angus breed have been consistently used in the building of this herd, wherein you will find a preponderance of Eileenmere and Sunbeam breeding and a goodly lot of other prominent bloodlines.

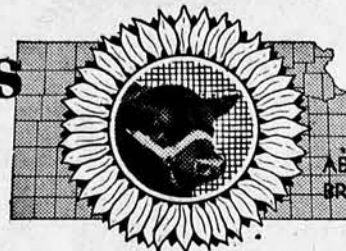
Sale Starts at 10:30 A. M. — Lunch at Noon

Note—Selling 12 Angus Steer Calves weighing 350 to 400 lbs. 2 Holstein nurse cows.

DICKINSON, Inc., Owners, Mission, Kansas

Auctioneers: Roy Johnston, Ray Sims and Russ Feeback, Belton, Mo.
 Mike Wilson with Kansas Farmer

Kansas

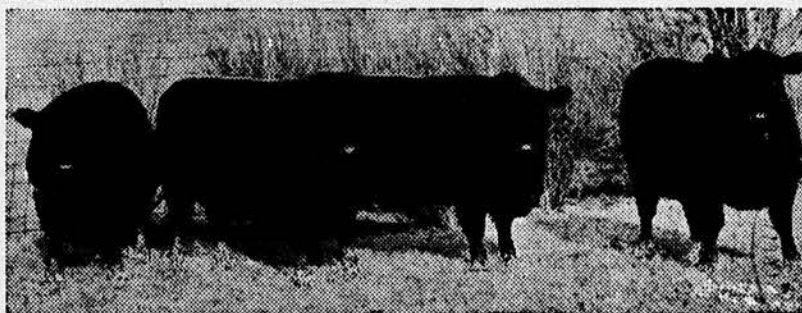


**Kansas Angus Assn. Annual
 Registered and Commercial Sale**

**DODGE CITY, KANSAS
 December 7, 1953**

Midwest's Largest Annual Angus Sale

SALE AT 10:00 A. M. CST.



125 Bulls. 275 Females. 500 Commercial Females
 including Cows, Yearlings and Heifer Calves.

500 STEERS

Yearlings and Calves

This is an opportunity for the person who wants quality cattle and that are well bred and can be bought in large numbers. If you are in need of a herd bull, range bulls, foundation or additional females don't fail to attend this sale. Every effort possible will be made to sell all the cattle on December 7. If there would be any left over they will be sold the following day.

For information and details contact

LESTER LJUNGDAHL, Sec.-Mgr., Route 2, Manhattan, Kansas

KANSAS ABERDEEN-ANGUS ASSOCIATION

Mike Wilson for Kansas Farmer

**MISSOURI AYRSHIRE AUCTION
 NOVEMBER 24**

at the RAILTON FARM, 3 miles west of
JEFFERSON CITY, MO.

on North Ten Mile Drive. (Sale at 12 Noon.)

80-AYRSHIRE CATTLE SELL—80

40 Ayrshire Cows. All but 6 are Registered Ayrshires. Many fresh this fall and several due to freshen soon. 15 Heifers ready to breed. 15 Yearling Heifers. 10 Heifer Calves. This is the oldest herd of purebred Ayrshires in Missouri, and bred by us for 18 years. All but 12 of this herd are registered. Production—Herd on continuous H I R test for years, and records given in sale catalog. Health—Tb. tested for years with no reactors. All cattle vaccinated for Bang's, either as adult or calfhood vaccinated. For information contact

ROBERT and FRANK RAILTON, Route 1, Jefferson City, Mo.
 Auctioneer—C. C. McGinnis, Rich Hill, Mo.

HOGS

Spotted Poland China

Choice boars ready for service.
CARL BILLMAN, Holton, Kansas

Bauer's Offer Poland Chinas

For sale — Service-age boars, bred gilts, fall weaning pigs. Nebraska grand champion breeding. Inquire of
BAUER BROTHERS, Gladstone, Nebraska,

Buy Fast Growing Meaty
DUROCS

In public auctions held now. For free list write:
DUROC ASSOCIATION, Room 2, Peoria 3, Ill.

DUROCS

Top-notch breeding Boars now. New breeding for old customers. Call us collect.
ARTHUR E. ROEPKE & SONS, Waterville, Kan.

REGISTERED

HAMPSHIRE BOARS

Good heavy boned type, weight 300 lbs. 14 miles north and one half east of Guiderock.
BYRON C. WENZINGER, Lawrence, Nebraska

**RELIABLE ADVERTISERS ONLY
 ARE ACCEPTED
 IN KANSAS FARMER**

The Kansas Hereford Association Range Bull Sale

at the Goodland Livestock Commission Company at

Goodland, Kansas

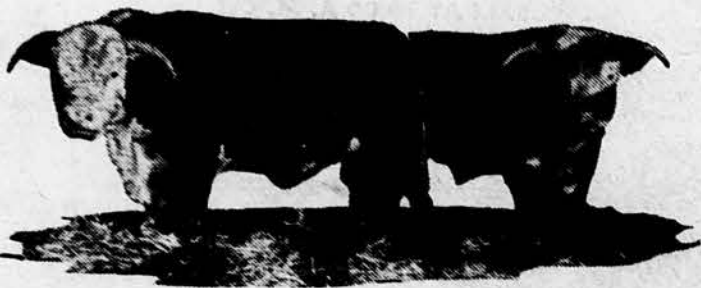
Bulls will be graded and judged December 11 starting at 9:00 A. M., Mountain Time

Sale Saturday, December 12

Starting at 10:00 A. M.

Selling 150 SERVICEABLE-AGE REGISTERED HEREFORD BULLS

These are the big, rugged, heavy-boned kind of bulls that sire extra pounds on the calf crop.



Consignors and Address	No. Bulls
RALPH KNEEDLER, Kanorado	4
WELDON MILLER, Nexcatur	6
A. W. ERICKSON, Rexford	12
E. J. KELLER, St. Francis	5
JIM W. DOUTHIT, St. Francis	10
CK RANCH, Brookville	10
ROY JACKSON, Wheeler	3
THAD J. DOUTHIT, St. Francis	10
H. G. HEREFORD FARMS, Colby	3
FOSTER FARMS, Rexford	20
J. A. SCHOEN, Lenora	7
A. D. RAYL, Hutchinson	4
CANOJ BROTHERS, McDonald	5
E. P. GODDARD AND SONS, Penokee	8
JANSONIUS BROTHERS, Prairie View	12
JOHN B. NICKEL, (Homestead Hereford Ranch), Levant	12
C. C. MATHEWS, Kinsley	11
RALPH AND DALE QUEEN, St. Francis	3
THOMAS WERTH, Park	7
WILBORN AND PUTNAM, Hoisington	4
Total	157

Write for catalog to

TOM SULLIVANT, Secretary-manager
KANSAS HEREFORD ASSOCIATION

State Fairgrounds, Hutchinson, Kan. Mike Wilson for Kansas Farmer

Beef CATTLE

Registered Hereford Sale



DEC. 12, 1953

Clay Center, Kan.

16 Bulls — 30 Females

Featuring the get of Royal Tredway K, Helmsman A 7 and Grand Duke 10. We have been breeding Herefords since 1920. Please write for catalog to

GLENN I. GIBBS & SONS, Owners
 Manchester, Kansas
 Gene Watson, Auctioneer

Dual-Purpose CATTLE

LOCUST BELL FARM OFFERS MILKING SHORTHORN
 Heifers & Young Cows of top breeding
LOUIS MIBCHLER, Manhattan, Kansas
 (Suburban county)

HORSES — JACKS

QUARTER HORSE

Production Sale — 23 Head

1 P. M.

Tuesday, December 15

At the fairgrounds in Casement Hall.

Manhattan, Kansas

I raised these horses. Breeding is Plaudit. Shiek, Peter McCue, Ariel, Popeye, Romolino. Lots of fast colors.

For more information write to

CLARENCE JOHNSON

Route 3 Manhattan, Kan.

AUCTIONEERS

HAROLD TONN

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

BERT POWELL

Auctioneer
 LIVESTOCK AND REAL ESTATE
 1929 First & Avenue
 Topeka, Kan.



In the Field

MIKE WILSON
 TOPEKA, KANSAS
 Livestock Editor

With 10,352 pounds of milk and 471 pounds of butterfat to her credit, Pay Line Sue Jean Wayne, a registered Holstein-Friesian cow owned by R. L. EVANS & SON, Hutchinson, has completed a 365-day production test in official Herd Improvement Registry, with the Holstein-Friesian Association of America. She was milked 2 times daily, and was 2 years 10 months of age when she began her testing period. Her record averages about 13 quarts of milk daily for the period covered by her test.

THREE HOLSTEIN HERDS IN KANSAS have recently completed a year of production testing in the official Herd Improvement Registry program of the Holstein-Friesian Association of America.

These are: Herne Christopher, Stillwell—11 cows averaged 402 pounds of butterfat and 12,024 pounds of milk in 291 days on 2 milkings daily; E. A. Dawdy, Salina—21 cows averaged 12,770 pounds of milk and 492 pounds of butterfat in 313 days on 2 milkings daily. Harvey Bechtelheimer, Sabetha—22 cows averaged 11,190 pounds of milk and 405 pounds of butterfat in 305 days on 2 milkings daily.

A registered Guernsey cow, Tip Topper's Pearl, owned by NORMAN K. NELSON, Wichita, produced 11,413 pounds of milk and 493 pounds of butterfat, according to official Herd Improvement Registry record of The American Guernsey Cattle Club. "Pearl" was a six, and was milked 502 times while on test. She is the daughter of the registered Guernsey sire, Lyn Lee Laddie, that has 3 daughters in the Performance Register of the club.

With 16,433 pounds of milk and 607 pounds of butterfat to her credit, Clyde Hill Sylvia Jessie Tidy, registered Holstein-Friesian cow owned by GROVER G. MEYER, MEYER DAIRY FARM CO., Basehor, has completed a 346-day production test in official Herd Improvement Registry, with the Holstein-Friesian Association of America. She was milked 2 times daily, and was 10 years 6 months of age when she began her testing period, and her record averages about 22 quarts of milk daily.

At the VIC ROTH DISPERSION SALE of Polled Herefords on Monday, September 14, bulls reached a top of \$6,700. This bull was Lot 3, Plato Domino Mixer and was bought on the bid of Leonard Kerbs, Otis. Top female was Lot 56, Tredway Lady 11th, with bull calf and brought \$1,000, selling to John Luft, Bison. Eighty-five Polled Herefords sold for a total of \$35,390 to average \$416. The 20 bulls sold for \$706; 65 females averaged \$327. Freddie Chandler was auctioneer, assisted by various men of the livestock presses.

Sixty-eight 4E RANCH POLLED HEREFORDS sold for \$21,125 to average \$364 on the night of September 15. Thirteen bulls averaged \$426; 14 females, \$346. Top bull was a baby calf chosen from a pen of 15 calves sired by Real Plato Domino Jr, herd sire at the 4E Ranch. He was purchased by Harold Mertz & Son, Manhattan, for \$1,100. Two heifers shared top honors at the \$700 figure. Lot 26, 4E Pauline 138th, sold to H. M. Christense, Eagle Grove, Ia., and Lot 57, 4E Ambassador 4th, to Fritz Kerbs, Otis.

Cols. Gene Watson and Freddie Chandler sold the offering. This sale was largely attended as it was on the eve of the judging of the Hereford and Polled Hereford cattle at the Kansas Free Fair, Topeka.

Among registered HOLSTEIN-FRIESIAN COWS in KANSAS whose recently completed production record were recorded by the Herd Improvement Registry Department of the Holstein-Friesian Association of America are the following:

Owned by T. Hobart McVay, Nickerson—3. Lactationum Tovarich Penelope, 636 pounds butterfat, 18,982 pounds milk, 355 days, 2 milkings daily, 7 years 7 months of age.

Ernest A. Reed & Son, Lyons—Thonyana Maudlene Venus, 761 pounds butterfat, 18,469 pounds milk, 365 days, 2 milkings, 5 years of age. Harry C. M. Burger, Seneca—Nemaha Royal Lois, 752 pounds butterfat, 19,147 pounds milk, 365 days, 2 milkings, 4 years of age.

W. G. Bircher & Sons, Ellsworth—Smoky Valley Carnation Vale, 538 pounds butterfat, 15,649 pounds milk, 310 days, 2 milkings, 4 years 6 months of age.

Hugh Bowman, Larned—Bo Lan Mattie Maudlene Fobes, 546 pounds butterfat, 13,434 pounds milk, 260 days, 2 milkings, 3 years 2 months of age.

Quentin J. Kubin, McPherson—Pinehurst Pontiac Bess Jane, 495 pounds butterfat, 13,167 pounds milk, 308 days, 2 milkings, 8 years 4 months of age.

Kansas State College, Manhattan—Kanstacool Madcap Questa, 518 pounds butterfat, 14,217 pounds milk, 322 days, 2 milkings, 4 years 1 month of age.

Kenneth Benedict, Louisburg—Mercedes Doris Hengerveld, 582 pounds butterfat, 15,030 pounds of milk, 358 days, 2 milkings, 6 years 3 months of age.

Chester DeWerrf & Sons, Ellinwood—Tidy Burke Ideal May, 498 pounds butterfat, 13,514 pounds 385 days, 2 milkings, 2 years of age.

Grover G. Meyer, Basehor—Clyde Hill Dora Dolly Rock, 503 pounds butterfat, 13,342 pounds milk, 365 days, 2 milkings, 9 years 6 months of age.

E. B. Regier, Whitewater—Regier HRW Bloom, 494 pounds butterfat, 14,541 pounds milk, 365 days, 2 milkings, 2 years of age.

Waldo Mueller, Halstead—Prairie Flower Colantha Onita, 441 pounds butterfat, 13,545 pounds milk, 365 days, 2 milkings, 3 years 3 months of age.

Hearne Christopher, Stillwell—Maytag Fobes Johanna, 629 pounds butterfat, 16,669 pounds milk, 329 days, 2 milkings, 5 years 11 months of age.

The KANSAS HAMPSHIRE HOG SALE, at Abilene, September 20, averaged \$81 on boars and \$70 on gilts. Buyers really bid in a conservative manner and it was difficult to sell them above \$100. Quality and breeding of the offering was such that better prices should have prevailed. However, it can't stay dry month after

month and put much enthusiasm in any business.

The show held morning of the sale was placed by Lewis A. Holland, of Kansas State College. He gave the grand champion boar award to Lot 19, a February 26 boar from the herd of C. McClure, Republic; sold for \$102.50 to George Butts, Leon. Ray Bergsten, Randolph, showed the reserve champion boar. He was Lot 6 and he sold for \$85 to E. S. Larson, Burden. Grand champion gilt was Lot 33 from Keith and Kenneth Wirtz, Wichita. She was purchased at \$11 by R. E. Burgaten & Son, Randolph. Reserve champion gilt was Lot 29 from the R & S Ranch, Halstead. This bred gilt was the sale top, \$127.50 and she went to R. Wuthnow, Hope. The sales committee was C. Baithrop, Wichita, chairman; Ray Bergsten, Randolph; Clifford McClure, Republic; C. G. Elling, Manhattan; secretary-treasurer; R. B. Elling, Wichita, sales manager. Bert Powell, assisted by press representatives, conducted the sale.

W. S. WATSON, Hutchinson, well-known breeder of Ayrshires, exhibited the national Ayrshire grand champion female at 1953 White lot, Ia., show. She was Ayr-Line Rare Betty.

A group of purebred Aberdeen-Angus breeders met September 9 at Salina, to organize the SMOKY HILL ANGUS ASSOCIATION. Lester Eaenger, San-Nak Angus Farm of Salina, was named president. Lloyd Ericson, Marquette, vice-president and Fred Cox Jr., Assaria, secretary-treasurer. Kenneth Stein, Gypsum; Hershey Jensen, Lorraine; George McCormick, Bavaria; and Jake Dornyer, Salina, were elected to the board of directors. This newly-organized group of purebred breeders are making plans for future cattle sales, educational tours and are making a membership drive for adult membership and junior memberships consisting of FFA and 4-H members.

THE O'BRYAN RANCH Polled Hereford calf sale was held at the ranch October 17; 16 lots sold for \$47,375, to average \$270. Lot O'Pawnee Mixer 71st, topped bulls at \$700. Paul Bramlett & Son, Lebanon, Ind. Lot O'Lady 101st, topped females at \$900 to Wm. Huber, Chicago, Ill. Col. Gene Watson sold the offering.

On October 14, SUTOR HEREFORD FARM, Zurich, offered 184 Herefords at auction. Many were young calves. A total of \$32,690 was realized to make a general average of \$178. Thirty-four bulls averaged \$204; 150 females, \$172. Top bull was Lot 1, SHF Mission Larry 3rd; sold for \$450 to Ray Schnell, Dickinson, N. D. Top female was Lot 40, a cow and calf combination totalling \$375. The cow, SHF Vena Model 42nd, sold for \$220 to William Jacobs, Pfeiffer. An her bull calf sold at \$155 to Ray Schnell. Howard Schnell was auctioneer.

Sixty registered Shorthorns were offered in the MID-KANSAS ASSOCIATION SALE held at Salina, September 9. They sold for a total of \$13,215, to average \$220. Twenty-one club only averaged \$72 per head; 33 bulls averaged \$237 females, \$200. Show champion and top bull was Lot 10, Blockade Nobleman, consigned by Wm. Thorne, Lancaster, and sold to Alvin Ott, Great Bend, for \$750. Show champion and top selling female was Lot 44, GL Joan 18th, consigned by Glen E. Lacy & Son, Miltonvale, selling at \$400 to Sam Tittle, Basine. Top club calf brought \$145, selling to Lloyd White, Canton. C. D. Swaffar was auctioneer. Mervin F. Aegerter, Seward, Nebr., was sale manager.

On October 5, the BEERKS & CLEVELAND HEREFORD SALE, held at Baldwin, totaled \$16,110 on 69 head, to average \$234. Twenty bulls averaged \$187; 49 females, \$254. Top bull was Lot 20, BHF Domino Return 38th; sold to Green at Small, Lawrence, for \$305. Top female was Lot 36, BHF Miss-Larry 27th, selling to Woody Hereford Ranch, Barnard, for \$500. Col. Gene Watson sold the offering, assisted by men of the various livestock presses.

The MID-WEST POLLED HEREFORD ASSOCIATION show and sale was held at DeSler, Nebr., October 3. Fifty-six lots totaled \$13,710, to average \$245. Forty-four bulls figured \$251; 12 females, \$222. Top-selling bull, Alpin Anxiety, consigned by Fred Ducey, Chester, Nebr., sold at \$590 to R. F. Kiersteadt, Bethany, Neb. Champion female was Trennie President, consigned by E. C. Stinson & Son, Hammon, Okla., and sold to Rudolph Hoop, Byron, Nebr. Charles Cerkle sold the offering.

On September 26, TOLSON BROTHERS, Wellman, attracted wide demand for the registered and commercial sale of Shorthorns. In the registered sale 37 head sold for a total of \$10,752.50, averaging \$290 per head. Seventeen bulls averaged \$363; 20 females, \$229. Top bull Lot 7, Vallant Commander, sold for \$1,700 to E. DeGeer, Lake City. Top female, a cow and calf combination, totaled \$405, the cow selling to Foster Schlarf, Clay Center, for \$205 and the bull calf going to R. E. Haley, Wiley, for \$200. In the commercial sale 188 steers and heifers averaged \$125 per head. A steer calf topped the part of the sale at \$200 going to Robert Alney, Indianapolis, Ill. A group of the heifer calves were purchased by Parker Ranch, Kemula, Hawaii. A total of 104 commercial bred heifers averaged \$148, a top group selling for \$162; 2 groups topping at \$157.50 and going to Willard Deming, St. Joseph, Mo., and to Harold Reser, Richland, J. E. Halsey and C. D. Swaffar were auctioneers.

The JAYHUSKER POLLED HEREFORD SALE, at Fairbury, Nebr., September 17, made a general average of \$203 on 53 lots sold. Eighteen bulls figured \$236; 35 females, \$185. Top selling bull was Lot 14, WGF Max Plato, selling for \$675 to William Kucera, Clarkson, Neb. Top-selling female was Lot 53, CK Kansas Belle 15th, selling to Harold Junker, Fairbury, Neb. Three different Polled Hereford establishments comprised this Jayhusker Sale. Ed Valek & Son, Wayne; Donald R. Goodger, Belleville, and G. Nesmith & Son, Chester, Nebr. Col. Freddie Chandler sold the offering.

On September 24, GLENN F. WISWELL, 60N, Spring Hill, held their annual sale of registered Poland China hogs. Joe Dvorak, Marion, purchased the top boar, Lot 28, and was bought on Mr. Dvorak's bid of \$92.50. Top-priced female was Lot 18, purchased by Ed Henderson, Kansas City, for \$85. Average price for males was \$70 and female, \$68. Mike Wilson and C. Brink sold the offering.

A herd of 103 Shorthorn heifers from the well-known TOMSON BROTHERS FARM, of Wakarusa, set sail on the "Hawaiian Farmer" on October 16 for the Parker Ranch, Kamuela, T. H. These good Kansas Shorthorns will be used as basis for building a commercial Shorthorn herd in the islands. This sale was arranged by Clinton Tomson, Geneva, Ill., brother of James G.

son Jr., of Tomson Brothers ranch. This was arranged on the return trip by Clinton. He attended the Royal Cattle Show at Sydney, Australia. Three men will accompany this trip of cattle on their 10-day voyage—William C. Gatty, Wakarusa; Dick Baker, Auburn, and William Young, Raton, N. M. For overseas shipment there is no additional inspection other than that is required for interstate shipments.

The KANSAS SPOTTED POLAND CHINA ASSOCIATION held their October 5 sale of registered Spotted Poland Chinas, at Horton. Forty-seven head were sold, to average \$81.50. Twenty-three females averaged \$63; 20 boars, \$92. Wayne L. Davis, Mahaska, consigned the top-selling boar, purchased by B. E. Lempka, Tennesse, Nebr., for \$165. Edward Pachta, Belle-ville, consigned the top-selling female. She was purchased by Warren Arney, Dorchester, Nebr. E. Holliday, Richland, was secretary and manager of the show and sale. Taylor and Martin were auctioneers.

The H. R. LUCAS & SONS, Macksville, reduction sale of Milking Shorthorns was held at the fairgrounds in Hutchinson, October 6. Demand was good and prices received were quite satisfactory. Fifteen cows averaged \$250, 16 heifers averaged off at \$152, including 10 open heifers. Two short yearling bulls averaged \$110. The 33 lots offered for sale made a general average of \$91.50. Top female was Casul's Model Maid, with bull calf at side, and brought \$335 by McQuilly Radcliffe, Hill City. Robert Stone, Kingman, purchased top bull for \$140. Four head of Milking Shorthorns in this auction were purchased by 4-H Club members. Gus Heidebrecht was auctioneer, assisted by Dale Leichter and Walter Otto. Joe Hunter read pedigrees.

The Kenton herd of Milking Shorthorns owned by GORDON L. JANSSEN, Bushton, was dispersed at the farm on September 4. Kansas buyers bought all but one animal. Top-selling animal was the good herd sire, Kenton President. He was purchased by Raymond Lindholm, Winona. Walter Clarke, Great Bend, and Chester L. Rolfs, Lorraine, for \$535. Top female was a very good 2-year-old, purchased by Bernard A. Lebenselmer, Olmitz, for \$280. Twenty-five females averaged \$177; 3 bulls, \$280. Chester H. Rolfs, Lorraine, was a guest consignor, selling well-bred heifers. Gus Heidebrecht was auctioneer, assisted by Walter Clarke, who read pedigrees.

Sixty head of Angus cattle totaled \$34,300 at the NATIONAL ANGUS SALE, held in Hutchinson, September 24, making a general average of \$571. Five bulls averaged \$467; 55 females, \$580. Top bull was Lot 45, Orchard Hill 13th, consigned by McQuillian Angus Farms, Clearwater, and sold to H. H. Hunt, Wellington, for \$75. Top female was Lot 53, Maid of Summers 3rd of SAF, consigned by Simon Angus Farms,

Madison, going to Ben Carpenter, Garfield, for \$2,350. Cois. Roy Johnston and Ray Sims were auctioneers. The show and sale was under the management of Lester Ljungdahl, Secretary-Treasurer of the Kansas Angus Association, Manhattan.

MISSOURI HOLSTEIN BREEDERS sale was held at Lees Summit, Mo., October 23. Forty-seven lots of fresh cows, fresh heifers, bred cows and heifers were sold. No open heifers, no bulls were sold. Ninety per cent of the offering had been fresh within 60 days of the sale or would be fresh within 90 days after the sale. It was a well bred, good type, good age lot of registered Holsteins sold. Average on 47 lots was \$475.

Clyde Hill Farm, Clyde, Mo., had the high-selling female, at \$875, Lot 1 in the sale, and she sold for \$875 to G. Herrida Carrizosa, Bogata, Columbia. O. D. West, Hillsboro, Mo., gave \$850 for Lot 2, also a Clyde Hill heifer. George Baumgartner, St. Louis, Mo., bought 13 head including a pair of 2-year-old twin heifers that sold for \$625 each. Sale average of 1952 sale, held at this same place, was \$564 on 49 head. Bert Powell, assisted by Tony Thornton, Harvey Hartvigsen, Elwood Lantz and Mark Dempsey, conducted the sale. T. Hobart McVay read pedigrees, and T. A. Burgeson, Grandview, Mo., was sale manager.

With 16,734 pounds of milk and 600 pounds of butterfat to her credit, Homestead Creator Aaggie, a registered Holstein-Friesian cow owned by JOHN & GEORGE HERSCHER, Mulvane, has completed a 365-day production test in official Herd Improvement Registry with the Holstein-Friesian Association of America.

She was milked 2 times daily, and was 3 years 3 months of age when she began her testing period. Her record averages about 21 quarts of milk daily for the period covered by her test.

Two registered Jersey cows in the High Point Jersey herd, owned by A. L. MILLER, Route 1, Partridge, have received special recognition for their outstanding production records made on Herd Improvement Registry test, with the American Jersey Cattle Club.

High Point Sophia produced 9,375 pounds milk containing 610 pounds butterfat at 4 years and 5 months of age, and High Point Zenia produced 9,298 pounds milk containing 514 pounds butterfat at the age of 2 years and 5 months.

A registered Guernsey cow, Hershberger Butterfat's Beva, owned by E. D. HERSHBERGER, Newton, produced 8,939 pounds of milk and 421 pounds of butterfat, according to official Herd Improvement Registry record released by The American Guernsey Cattle Club. "Beva" was a junior 2 and was milked 610 times while on test. "Beva" is the daughter of the outstanding Guernsey sire, Evergreen's Butterfat King, that has 11 daughters in the Performance Register of the Club.

FALL RIVER HEREFORD FARMS

Ted A. Brown, Fall River, Kansas

Hereford Reduction Sale

at farm 4 1/2 miles north of

Fall River, Kansas

Immediately below the Fall River Dam

Wednesday, December 2, 1953

Sale at 1:00 P. M.



60 HEAD REGISTERED CATTLE

15 Top Open Heifers by Royal Duke 4. 7 Bred Heifers bred to Royal Duke and WVHR Domino Lad 8. 7 head 5- to 8-year-old Cows with calves at side. Rebred to Duke 4 and WVHR Domino Lad 8. 14 Yearling Bulls, Royal Duke 4 breeding. All top bulls. Several herd bull prospects. 10 Cows 6 to 9 years old. Bred to Royal Duke and WVHR Domino Lad 8. 1 Herd Bull 3 years old by WVHR Domino Lad 8. The drought has forced me to reduce my herd. Therefore the Domino Lad bull and some of my best cows sell.

TED A. BROWN, Owner, Fall River, Kansas
Col. Gene Watson, Auctioneer Mike Wilson for Kansas Farmer

FIFTH ANNUAL SALE OF

Dellford Ranch Herefords

El Dorado, Kansas

December 3, 1953



Selling 60 Head — 20 Bulls — 70 Bred Heifers

The bulls range in age from 14 months to 2 years and are sired by RS Princeps Mixer 10th and PHR Super Donald 18th. The heifers are all safe in calf to our son of TR Zato Heir, TR Zato Heir 248th. Daughters of bred heifers that have sold in our previous sales go on to do well for their new owners: Greenhill Farms won the female championship at the National Hereford Show at Tulsa, Okla., this fall on a daughter of Dellford Duchess which they purchased in our 1951 sale. Arrowhead Ranch won a blue on their Dellford Lady F, at the National Hereford Show. She was by RS Princeps Mixer 10th, and was purchased in our 1951 sale. They Do Well for Us—They'll Do Well for You.

Every animal in the sale is out of a straight Hazlett dam. The sale will be in El Dorado in the 4-H Club Building assuring a comfortable place to inspect and buy the cattle. Write for catalog.

DELLFORD RANCH

FRANK R. CONDELL, Owner, El Dorado, Kansas

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

Subscribe to Kansas Farmer Now

SOUTH CENTRAL KANSAS
HEREFORD ASSN. SALE

Sale at the Fairgrounds

Newton, Kansas

Friday, December 4



41 HEAD — 16 Females and 25 Bulls

Both Horned and Polled Herefords Are Selling

The Bulls—20 service age and 5 long age junior calves.
The Females—The females include cows with calves, bred cows, bred and open heifers.

CONSIGNORS

Nor Lyn Polled Hereford Farm, Sedgwick; Congdon Hereford Farm, Sedgwick; Twin Oak Farm, Moundridge; Willow Creek Hereford Farm, Gypsum; Mrs. John Loewen, Peabody; Cecil Melody & Sons, Tampa; Campbell Hereford Farm, Burrton; Ray Rusk & Son, Wellington; J. R. Overstreet, Newton; Chisholm Creek Farm, Valley Center; Triple S. Herefords, Maize; Joe Lewellen, El Dorado.

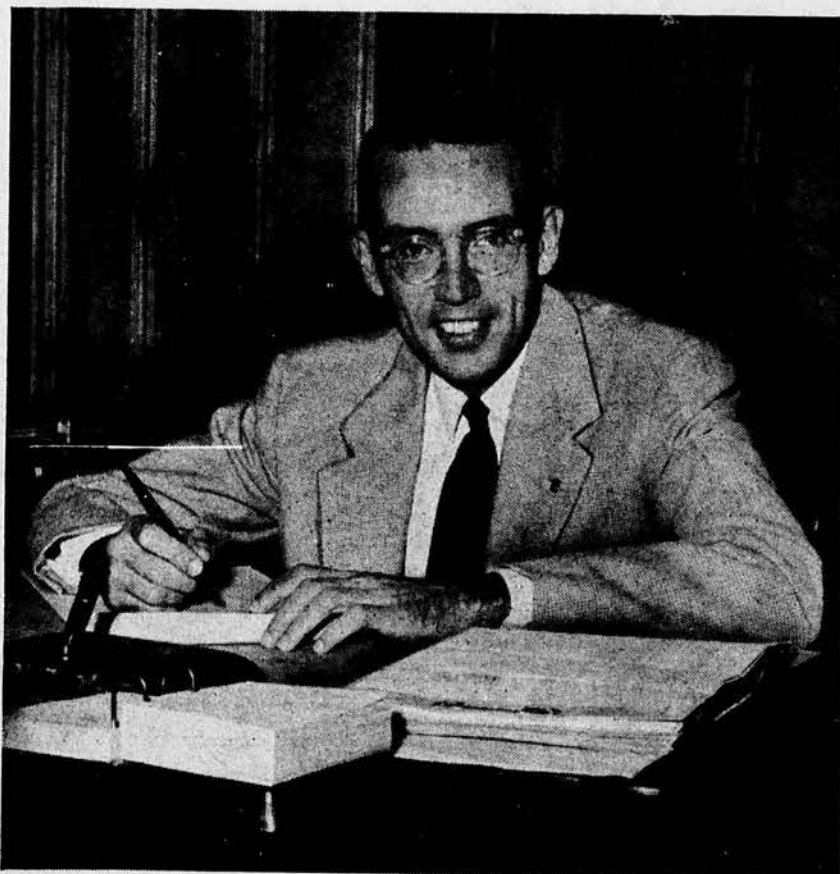
Show 10 A. M. — Sale 1 P. M.

For sale catalog or other information write to

PHIL ADRAIN, Secretary, Sales Mgr., Moundridge, Kansas

Three of a kind...

among thousands of a kind



THAT EXTRA SERVICE—for which Standard Oil agents are famous—takes agent Herschel F. Groff of Grayville, Illinois, to regular meetings in the City Hall where he presides as mayor. He long has been active in many civic affairs. As a businessman and city official, Mr. Groff knows the importance of efficient operation. It helps keep costs down. And efficiency in the oil industry helps keep the price of petroleum products at a remarkably low level.

THIS IS THE STORY of three businessmen who have built their success on friendly service to Midwestern farmers. Though they live in different states and have never met, they have much in common.

They are leaders in their communities, serving their neighbors in such activities as government, service clubs, Boy Scouting, business. They are three of a kind . . . three of the almost 4,000 Standard Oil agents who serve you in many ways—from helping on civic programs to helping service your tractor.



They are men who wanted to work on their own, in a business that would bring them friendship and success through serving people they know and like. But before they invested time and money in their jobs they decided they must have two things—quality products and a dependable company.

They found that Standard Oil's research departments work constantly to develop and improve not only fuels and lubricants but also scores of other useful products for the home and farm. These include sprays and dusts that combat crop and stock pests causing hundreds of millions of dollars damage.



They learned that Standard Oil pioneered in delivering petroleum products right to the farmers' doors—a service that started way back in 1910.

They found, too, that today far more Midwestern farmers depend upon Standard Oil products and services than on those of any other oil company.



Standard Oil Company



THAT EXTRA SERVICE becomes a habit for agents like L. W. Comstock of Rochester, Minnesota. As a member of the Commissioner's Staff for the Boy Scouts, he helps to build good citizens for the future. Standard Oil and its subsidiary companies build for the future, too. In recent years we have plowed back two-thirds of our profits into expanded facilities—everything from drilling rigs to bulk plants—to assure a steady supply of petroleum products.



THAT EXTRA SERVICE keeps agent L. J. Lorch (standing) of Advance, Missouri, busy in many civic activities such as this Rotary Club conference with Ivan E. Ward, president. Mr. Lorch is a former president of the Rotary Club and local school board. Such teamwork helps a community. And teamwork by more than 51,000 Standard Oil employees helps us to produce and deliver more than 2,000 useful petroleum products, and to serve you well.