

# Kansas Farmer



The Hauvers greet their guests



Useful gifts are unwrapped



Games for all are explained



"Don't mind if I do"

## They Waited 5 Years

### For Their Housewarming-Shower

**W**HEN Mr. and Mrs. Myrlin Hauver, of Phillips county, were married 5 years ago he was in the Army and there was no chance for their friends to give them a shower. One thing, then another, prevented it from being held.

Finally, on January 13 of this year, the young Hauvers and their 4-year-old son, "Skippy," moved onto a farm in Phillips county about 2 miles from the home of his parents, Mr. and Mrs. Ed Hauver. Florence Rumbaugh, a neighbor and family friend, decided it was high time for the Hauvers to have a shower and that it should be combined with a housewarming.

Since the Hauver home wasn't ready for a housewarming when the event was held January 20, it was moved to the Ed Hauver home. Members of the Prairie Maiden Home Demonstration Unit, the Sunshine Community Club and other friends and relatives took part. Altogether, about 170 persons were invited and

more than 70 were able to attend. Ironically, Florence Rumbaugh, the instigator, was unable to attend because her children came down with chicken pox at the last moment. Mrs. Wayne Johnson and Mrs. Harvey Matteson took over and supervised the games.

Being a farm wife and taking part in farm community events such as the shower are all new to Mrs. Myrlin Hauver. As Louise Weston, she was born and reared a city girl in Alexandria, Virginia. Nearest she ever came to farming was a job during the war in the U. S. Department of Agriculture, in Washington, D. C.

"I met Myrlin on my birthday, September 18, 1944, at a USO party in Alexandria" Mrs. Hauver says. "We were married January 20, 1945, and moved from place to place while Myrlin was in the Army. My first farm experience was when we moved to a place about 20 miles northeast of our present farm. It has all been new and

[Continued on Page 28]

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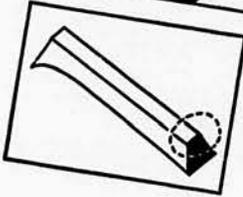
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# GOODYEAR

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### Dairy Program Starts

FIFTEEN men have completed the first training course in artificial dairy breeding at Kansas State College and have been assigned to manage county units. Announcement was made by F. W. Atkeson, head of the Kansas State College dairy husbandry department and chairman of the breeding program supervisory committee.

Men who completed the course and counties to which they were assigned are: Cecil Howard, Bourbon; T. V. Pickett, Butler; Robert Olson, Cloud; George Stewart, Dickinson; Sherman Bartlett, Linn; Virgil Babcock, Mar-

shall; Byron Patton, Marion; C. L. Hollinger, Miami; Don Sextro, Nemaha; Clifford Culbertson, Neosho; Boyd Tevis, Osage; Ray E. Smith, Reno; Calvin Morgan, Morris; James Upham, Geary, and Joe Neller, Johnson.

A total of 17,000 cows are enrolled in the 15 counties that have breeding rings and which plan to work with the college. Six dairy breeds are included: Jersey, Guernsey, Ayrshire, Holstein, Brown Swiss and Milking Shorthorn bulls are available at Kansas State. Semen will be flown to county units every other day.

### Dairymen Elect

THE 6 dairy breed associations in Kansas held their annual election of officers during Agriculture Week, at Kansas State College. New officers are as follows:

**AYRSHIRE**—Dwight Hull, El Dorado, president; John Stephenson, Downs, vice-president; Mrs. John Keas, Atchison, secretary-treasurer.

**BROWN SWISS**—Andy Erhart, Garden City, president; Curtis Unger, Burden, vice-president; Earl Webber, Arlington, secretary-treasurer.

**JERSEY**—Boyd Michael, Kansas City, president; Jim Berry, Ottawa,

vice-president; John Weir, Jr., Geuda Springs, secretary-treasurer.

**MILKING SHORTHORNS**—Joe Hunter, Geneseo, president; Locke Theis, Dodge City, vice-president; C. O. Heidebrecht, Inman, secretary-treasurer.

**GUERNSEY**—W. H. Bertholf, Wichita, president; Ivan Green, Erie, vice-president; C. J. Graber, Newton, secretary-treasurer.

**HOLSTEIN**—Joe White, Topeka, president; Bill Beezley, Girard, vice-president; T. Hobart McVay, Nickerson, secretary-treasurer.

### Dairymen Win

TWO dairymen and 2 supervisors won awards recently in the first annual Dairy Herd Improvement Association member contest. Winners were given cash awards of \$100 and \$50 respectively for first and second place, and these awards were made at the dairymen's dinner held in connection with Agricultural Week, at Kansas State College.

Jack Carlin, of Smolan, a Holstein dairymen, won first among dairymen and second place went to Ivan Green,

a Guernsey breeder. Arnold Hart, supervisor of the Douglas-Franklin association, won first place for supervisors, and F. J. Turner, of the Kaw Valley association, was second.

The contest is sponsored by the National Dairy Product Corporation of Chicago. Awards to dairymen are based on efficient production practices, improved pasture and roughage, silage, breeding program, buildings, herd water facilities, and other quality milk production practices.

### Potato Problems Get Hearing

A SPECIAL clinic to study problems of potato marketing for Kansas growers was held in Topeka February 7. The meeting was sponsored by the marketing division of the State Board of Agriculture.

Various problems of growing and marketing potatoes were discussed, and representatives of the State PMA committee outlined the 1950 support program.

As outlined, the 1950 program calls for support prices on potatoes having a 2-inch minimum diameter. Growers pointed out that the early Kansas crop will not meet this minimum size. If the 2-inch minimum applies to Kansas, they said, growers would either not come under the \$1.35 per hundred-weight support, or would have to buy new screening equipment, which would add to the cost and would mean much of their crop would have to remain at home.

The state potato advisory committee was asked to take up this matter of size with the state PMA office which, in turn, would put the problem before the U. S. Department of Agriculture. Kansas potatoes now are being run thru a 1 1/2-inch screen, and Kansas growers believe this minimum size should be allowed for the Kansas crop.

Ruben Corbin, of Kansas City, Mo., in charge of the Agricultural Marketing News Service, told growers that

California had taken over the former carlot market for Kansas potatoes, and that in the future Kansas would have to be content with the local market.

Dr. W. F. Pickett, head, department of horticulture, Kansas State College, reported on a 3-year study of consumer preference in potatoes. "The consumer wants a medium-size potato with shallow eyes and is not too particular as to color," he said. He also pointed out that most consumers like to pick their potatoes from the bulk rather than buy them packaged.

Other speakers on the program included Hubert L. Collins, federal-state statistician for Kansas; John Miller, agricultural commissioner for the Topeka Chamber of Commerce; Emil Heck, Lawrence potato grower; C. R. Real, traffic manager, Topeka Chamber of Commerce; Harvey Bross, Manhattan, state PMA committee, and George Hedrick, organization director of the Kansas State Chamber of Commerce and secretary of the Kaw Valley Potato Growers Association.

### Good Investment

Making landscape plantings around the house is like putting money into government bonds. The plantings increase the value of the property and this increased value gets greater thru the years, according to Ray A. Keen.

### Coming, March 4 . . .

What changes have there been in rural living in the last 50 years? What changes are coming in the next few years? What changes have there been in land use, and in rural population in that time? What changes are coming in the years ahead?

Answers to these important questions will come to you in the March 4 issue of KANSAS FARMER. Prepared by outstanding authorities, these articles are part of the series giving highlights of past progress, a clear picture of where agriculture is today, and a studied forecast of what is ahead for farm families.

Keep this issue and coming issues of KANSAS FARMER so you will have these articles to refer to later—they are articles of lasting value.

**TRICYCLES OR TRUCKS**

Illustration of a bicycle and a vintage truck. A circular stamp on the right reads "STATE OF KANSAS - AGRICULTURE AND ARTS - MAR 21 1950".

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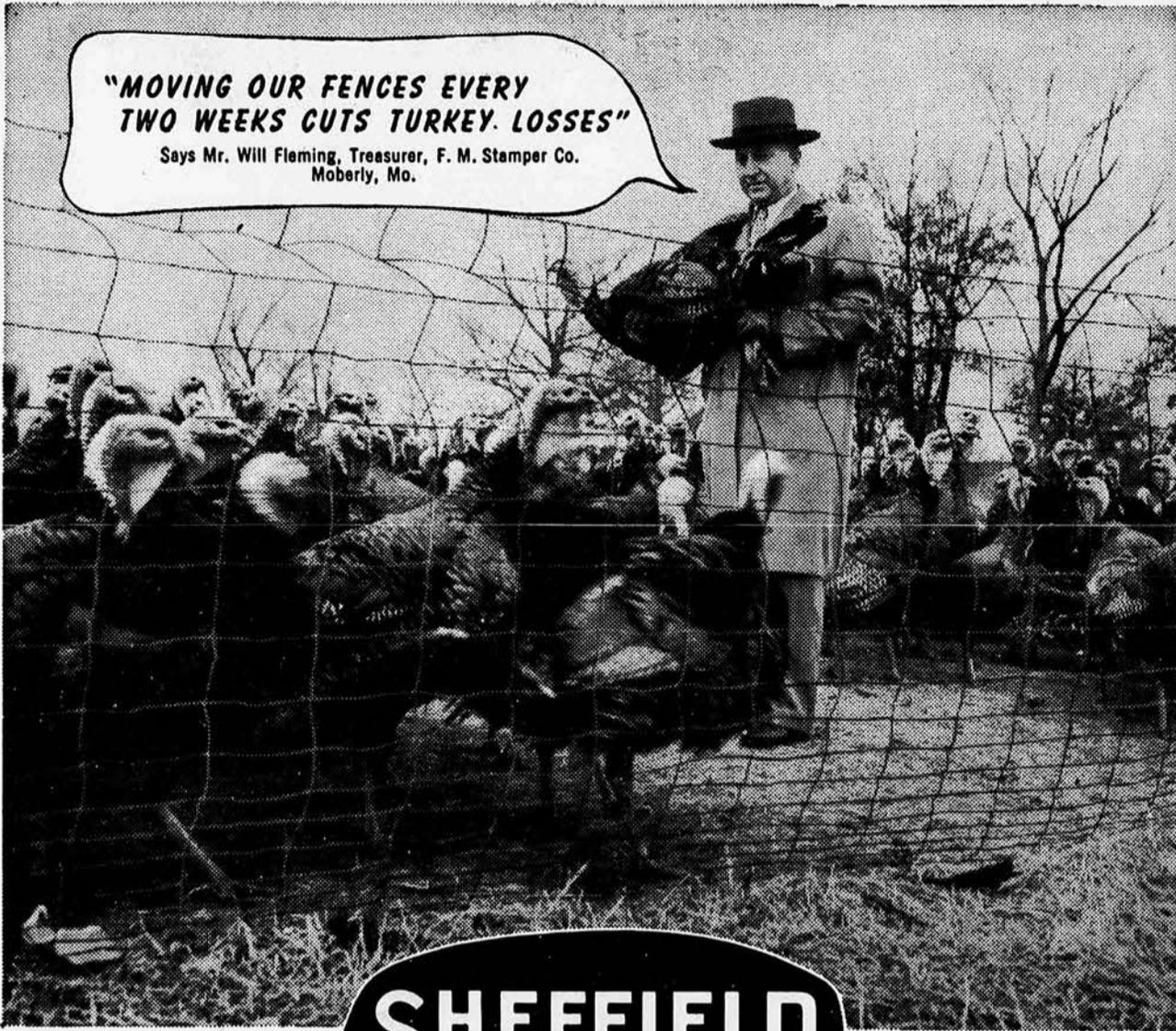
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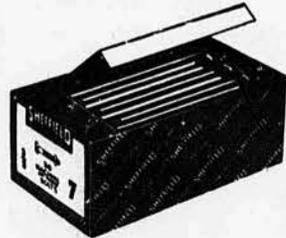
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## Wide Crop Insurance

Federal crop insurance on diversified crops was offered in 1949 for the first time to farmers in Allen and Anderson counties. The "trial run" for this new type of insurance was so successful, the state PMA office reports, it is being extended in 1950 to include farmers in Bourbon, Crawford, and Leavenworth counties.

## For Better Oats

Early seeding of oats produces the highest yields and best quality, states E. G. Heyne, Kansas State College agronomist.

Both yield and quality decrease, he says, when seeding is delayed beyond March 5 in Southern Kansas and March 20 in Northern Kansas. Early planting, he adds, also means earlier maturity and escape from hot, dry weather and rusts. Nemaha, Cherokee or Clinton are varieties recommended.

## Egg Support

Egg prices will be supported at 75 per cent of new parity this year, PMA has announced. The new program is designed to support egg prices at an average of 37 cents, which will be 8 cents less than the 1949 national average farm price of about 45 cents. Support will be thru purchase of frozen and dried eggs from processors.

## Prevent Mastitis

Many cases of mastitis could be prevented by lowering door sill entrances to the dairy barn, and by fencing off contaminated mudholes and pasture ponds, says E. E. Leasure, head, Kansas State College veterinary medicine department.

## Held on Farm

Here are percentages of 1949 grain crops held on farms in the U. S. as of January 1: corn, 77 per cent; wheat, 28.5 per cent; oats, 62 per cent; barley, 45 per cent; rye, 25.7 per cent; soybeans, 29 per cent; hay, 70 per cent.

## Pick Good Oats

If you plant oats this spring be sure you plant a blight-resistant variety, suggests Shannon Nickelson, Kansas State College agronomist.

Nemaha and Cherokee oats were first and second, respectively, in cooperative yield tests conducted over the state last year, reports A. L. Clapp. Nemaha also was high in test weight, closely followed by Cherokee. Certified seed of both varieties will be in good supply in most localities.

## Expensive Hens

Birds with new feathers, yellow legs, yellow beaks, hard abdomen, and dry comb are eating but not laying eggs, says M. E. Jackson, Kansas State College extension poultryman. A culling program to remove all non-layers from the flock is suggested.

A non-producing hen will use up the profit from at least one, and perhaps 2, laying hens. On this basis, 25 non-producing hens will require 50 producing hens to break even.

## Senator Capper on Radio

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

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First in series of articles Kansas Farmer promised on "Where We Have Been, Where We Are Now, and Where We Are Going in Agriculture."

## Great Changes Seen

By R. I. THROCKMORTON  
Dean of Agriculture, Kansas State College

**K**ANSAS agriculture made phenomenal strides during the first half of the current century. At the beginning of the century, it was just starting developments which have grown until Kansas is one of the leading agricultural states of the nation. Agriculture of Kansas has had growing pains but it always has recovered, gradually improved and in general, become more stable.

Perhaps the greatest change during the 50 years was reducing acres of native grass from about 36 million to about 20 million, and increasing land seeded to wheat from about 4 million to about 14 million acres. This change took place primarily because of mechanization, 2 world wars, and strong demands for wheat. Better adapted varieties and improved productive methods stimulated this great shift to wheat.

Altho there was great reduction in acres of grass available for grazing, there was no marked changes in number of cattle in the state. This ability to maintain total cattle numbers with far less grazing land reflects improved management of cattle, improved grazing practices and changes in marketing. A reduction in horse and mule population from about 876,000 to about 250,000, however, released considerable acreage for grazing by cattle.

### Why Corn Acreage Changed

Land devoted to corn production was about 7½ million acres in 1900 and now is about 2½ million acres. This change took place because some other crops have been found more dependable than corn, and because of improved varieties and methods of producing sorghums. Sorghum acreage is about two times as high now as it was in 1900. Associated with reduction in corn production, has been a marked decline in hog population which is now about one-half as high as it was in 1900. During this period, however, sheep population was increased from 200,000 to 724,000.

Land devoted to alfalfa production has increased from 276,000 acres in 1900 to about 1,100,000. Part of this increase is reflected in reduction in acreage of red clover. Sweet clover, not even reported in 1900, has become an important pasture and soil improvement crop. Korean lespedeza, unknown to us in 1900, now occurs on thousands of acres in Eastern Kansas. Soybeans have become an important cash crop. Potato acreage declined from 99,000 in 1900 to 12,000 in 1948.

The crop variety picture has changed almost 100 per cent. For example, wheat varieties in 1900 consisted of

Turkey and of some soft winter varieties as Fultz, and some spring wheats. Altho there are a few growers of Turkey wheat today, the newer varieties such as Pawnee, Comanche and Wichita developed by Kansas State College, have practically replaced all other varieties. These newer varieties have many advantages over Turkey, especially under present methods of production. All have better straw than Turkey and are better adapted to harvesting with the combine. In addition, these varieties have resistance to certain insects and diseases while Turkey is quite susceptible to all of diseases common to wheat and to all insects. These new varieties have, to considerable extent, been responsible for the exceptionally high production during the last few years.

### Tremendous Boost for Wheat

Wheat yields were given a tremendous boost during the early part of the period when William M. Jardine and L. E. Call of Kansas State College, and A. L. Halstead, USDA, determined the relation of early seedbed preparation to wheat yields. As a result of this work, and the experiences of farmers, practically all wheat land is now prepared early.

Open-pollinated varieties of corn as St. Charles White, Boone County White, Kansas Sunflower, Leaming, Pride of Saline and Reid Yellow Dent which were popular for several dec-

ades, are passing out of the picture. They are being replaced by adapted hybrids with higher yielding capacity and more ability to stand up and to resist certain insects and diseases.



**HYBRID CORN TAKES OVER:** Open-pollinated varieties of corn, popular for several decades, are passing out of the picture. They are being replaced by adapted hybrids with higher yielding capacity and more ability to stand up and to resist certain insects and diseases.

eties were developed by Kansas State College but new races of smut soon caused severe losses of these varieties and losses from rust became more common. Osage and Neosho varieties having resistance to rust and smut were developed and distributed. These varieties were extremely popular until a new disease, Victoria blight appeared. Both varieties are extremely susceptible to this disease. Now Kansas State College has developed 2 more varieties, Cherokee and Nemaha, having resistance to rust, smut and Victoria blight. These varieties are being increased as rapidly as possible on Kansas farms.

Alfalfa acreage in Kansas increased rather rapidly until about 1915 and then started to decline. Most rapid decline took place in the early twenties due to insect injury and bacterial wilt, and again in the thirties due to drought. Development of Buffalo alfalfa, having resistance to bacterial wilt, is having its influence and acreage is being increased rather rapidly. Information developed by Kansas State College on influence of cutting time on length of life of alfalfa stands is being put into general practice and resulting in stands surviving more years.

Use of cultivator and hoe is no longer the only method of weed control. New herbicides have come into use for destruction of weeds and shrubs. Likewise, new insecticides and fungicides have greatly facilitated control of insects and diseases.

In the horticultural field, 3 rather definite things have happened.

Potato acreage now is only about one-eighth as high as it was in 1900. The change was brought about largely by development of new potato-producing areas, and by changes in marketing habits and practices. Acreage of commercial orchards has declined, due at least in part to severe winter injury and drought years of the thirties. Number of varieties of apples in commercial orchards has been reduced from 45 or 50 to about 8. The less adapted and poorer market varieties have been eliminated. Another noticeable change has been elimination of practically all home orchards.

### Save Time With Livestock

Changes in marketing meat animals, especially cattle and hogs to bring a more rapid turn-over, have had some tremendous influences. Whereas most cattle were 3 or 4 years old when marketed at the beginning of the century, they are now marketed when 1 or 2 years old. Improved sanitation, management and nutrition have reduced age of hogs at market time by about 4 months.

Improved management and feeding practice and improved breeds of poul-

(Continued on Page 29)



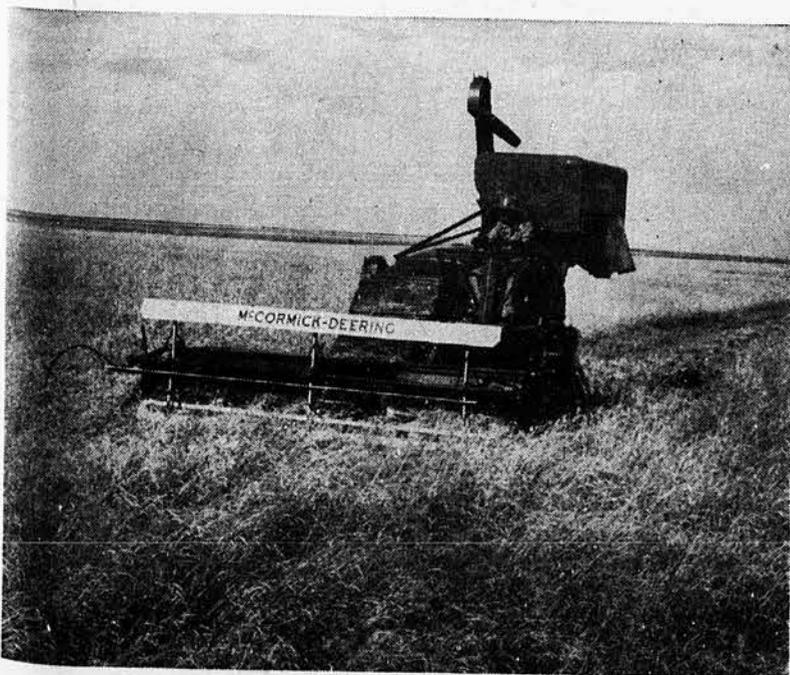
**MARKET YOUNGER CATTLE:** Changes in marketing cattle to bring more rapid turn-over have had some tremendous influences. Whereas most cattle were 3 or 4 years old when marketed in 1900, they now are 1 or 2 years old.

Varieties of grain and forage sorghum have changed almost entirely during the last 50 years. As a matter of fact, they have changed several times. The old yellow milo with the crooked-neck has practically disappeared, as have the tall-growing varieties of kafir formerly grown in Central and Western Kansas. These all have been replaced by low-growing, high-yielding varieties as Westland, Midland and Colby milo. Such forage sorghums as Kansas Orange and Black Amber, and Sourless, have in general given way to Atlas, Early Sumac, Axtell and Ellis.

Some other factors which have stimulated sorghum production include better seedbed preparation and planting methods, and seed treatment to aid in getting better stands. Improved methods of utilizing sorghum grain as a feed for livestock also have had a definite influence on popularity of sorghums.

### Oats Yields Increased

Altho acreage devoted to oats has not changed materially, there has been a big increase in yields per acre, due largely to improved varieties. Epidemics of rust and smut took a heavy toll of the varieties as Red Texas and Burt, and oat production declined for several years. New smut-resistant va-

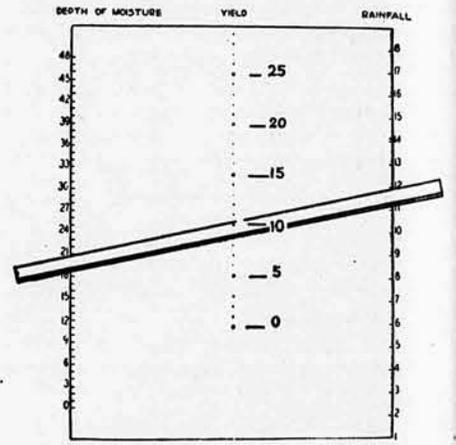


**BIG WHEAT INCREASE:** Perhaps the greatest change during the 50 years was reducing acres of native grass from about 36 million to 20 million, and increasing land seeded to wheat from about 4 million to nearly 14 million acres.



**FURROWS AID PENETRATION (Left):** This profile of moisture penetration was made on pasture land with 3 per cent slope. It shows how contour furrows aid penetration, in contrast to the 7-foot space between furrows where water moved on down hill. This was the result on dry soil after a 3-inch rain. (Photo courtesy Claude L. Fly, State Soil Scientist.)

**PREDICT YOUR YIELD (Below):** Place a ruler across this chart as indicated and predict your yield. Scale at left represents subsoil moisture, at right rainfall during growing period. Center scale represents bushels of wheat. In Western Kansas available moisture is that important to yield. (From a diagram by L. L. Compton, agronomist, K.S.C.)



# Increase Crop Yields Now!

By Ed Rupp

**W**HY build terraces? Why work your ground on the contour? Certainly, going 'round and 'round the field is easier, in a large majority of cases. But the fact is this: Terracing and contouring will increase crop yields—now.

Are you confused about so-called "soil conservation?" Yes! We can't say we blame you. We are, too. And it seems like a lot of other people, experts in the field, are pretty much confused. Or, are deliberately trying to confuse us.

Look. Here is one side of the picture as advanced by one organized group of experts. Out of 398 million acres of cropland in the U. S., they say 50 million acres are ruined, 50 million more are nearly ruined. Then 100 million acres are listed as impoverished. And our dictionary says impoverished means exhausted, sterile. Anyway, it isn't good. Now another 100 million acres are showing signs of erosion. And finally, 98 million acres are listed as fertile and productive. Gloomy picture, isn't it?

While we are worrying about this deplorable condition of our soil, along comes another expert. This time head of the agronomy department of one of our leading agricultural colleges on the east coast. He discounts the fear of soil erosion and organic matter loss from our soils.

This professor of soils admits soil conservation is a real problem in the United States, but believes its importance has been overstated and dramatized. He looks to the subsoil, which in many areas is filled with an almost inexhaustible reserve of plant nutrients.

**TERRACES SAVE MOISTURE (Right):** This chart shows what happens to average rainfall in the high plains in a year's time. Upper chart shows how much evaporates, how much runs off, how much sinks in for crops without terraces. With terraces, as shown in lower section of the chart, evaporation increases, but run-off is eliminated. Penetration is increased for larger yields. (Chart adapted from figures by H. H. Finnell, SCS.)

**You can do it with terracing and contour farming. Here are results to back up that statement.**

We have learned to call it precious topsoil. But he implies, "Why worry about those few inches of topsoil? Let it wash away. We'll reinvigorate the subsoil, or something, and grow bigger and better crops than ever before."

Admittedly, we now have the means to do wonders with that sticky old subsoil. But is that the best way? Is it cheapest in the long run to let the topsoil wash away, then reclaim the subsoil?

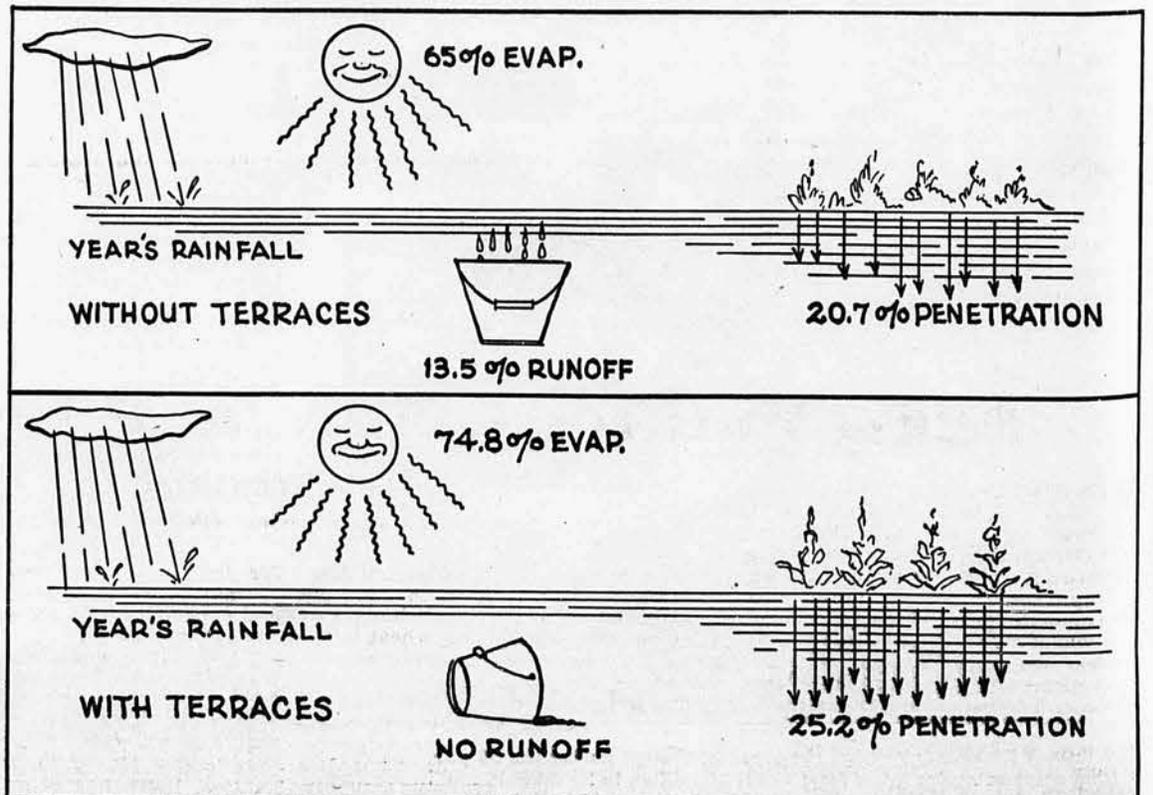
We have been thinking about the value of soil conservation in long-time figures. Save the top-

soil for future generations. But what about right now? Not sometime in the future.

Experiment stations have shown that terraces and contour farming make better crops—now. But will experiment station data apply out on the farm? Will it?

Earl Means was wondering about that very thing about a year ago. Mr. Means is the farm management specialist at Kinsley. He works with 275 farmers in 17 counties in that area.

Value of soil conservation practices was being discussed at a [Continued on Page 30]



# Farm Matters

## AS I SEE THEM

VERY much fear the potato price-support fiasco, while its relative importance has been somewhat overplayed, is a portent of trouble ahead also for the price-support programs for some of the non-perishable, storable crops, especially wheat and cotton. That this is the view of the Department of Agriculture—and all the forebodings in the Department are not just because Secretary of Agriculture Brannan is trying to sell the so-called Brannan plan to farmers and consumers—seems to be indicated pretty strongly in a statement made last week by Fred J. Rossiter, associate director of the Office of Foreign Agricultural Relations in the Department.

Director Rossiter appeared before the House Agriculture committee to explain operations of OFAR. First part of his statement dealt pertinently with wheat and cotton.

First he pointed out that United States farmers have an annual stake of 3½ billion dollars in export trade.

"That figure of \$3,500,000,000 worth of exports last year is somewhat below what our agricultural exports have averaged over the last 4 years," said Mr. Rossiter. "It has been about 13 per cent (a little over one eighth) of our cash farm income. Before the war our agriculture exports equaled less than one billion dollars.

"For many crops the export market is even more important than those figures indicate. Cotton exports last year equaled one third of cotton production; tobacco one fourth; wheat, rice, peanuts, dried fruits about one third; and dried beans and peas almost one half."

Then he confirmed, statistically, what I believe most of us who have been in touch with farm matters have understood. That is, our foreign markets for farm products rest on what Mr. Rossiter defined as "a very weak foundation, because last year about 60 per cent of those exports were paid for with ECA (Marshall Plan) and military (occupation) funds."

That means some \$2,100,000,000 of farm exports totaling \$3,500,000,000 were paid for out of the United States Treasury. Moreover—

"Despite our tremendous foreign markets (three-fifths of the exports overseas paid for by ourselves) the Department now has more than \$3,000,000,000 tied up in agricultural surplus (thru Commodity Credit loans and purchases), much of which we would like to sell overseas," Mr. Rossiter explained.

A third point he stressed in connection with his statement is that the U. S. Government is withdrawing from its wartime role of selling United States farm products for export. Private trade, he asserted, is resuming its prewar position. From what I have picked up from time to time, that is not exactly the case in the domestic market. The Commodity Credit Corporation is extending its operations and holdings steadily, particularly in handling grains. Also, it is asking this Congress to increase its borrowing and lending authority some 2 billion dollars, on top of its present lending authority of just under 5 billion dollars. The private

grain trade, including the farm co-operative elevator operators, are looking forward uneasily toward the time when the CCC may take over the bulk of the grain trade in the country.

Moreover, when American exporters go abroad to sell, they frequently, according to Mr. Rossiter, find they cannot deal with private traders overseas.

"All too often they have to deal with governments which have taken over the importing job," he said. "And they have to deal with governments that have all the resources of their nations behind them; governments that do not have to make a profit, and governments that frequently have tied their own hands with bilateral deals and currency regulations.

"In the 1947-48 marketing season, for example, 78 per cent (over three fourths) of the world grain trade, excluding that of the United States, moved under some sort of barter deal, bilateral arrangements, or other forms of government-to-government contract."

I find his next statement most significant. "And most governments do everything they can to buy their agricultural products somewhere else than from the United States. They do it to conserve dollars. That is part of the situation which we face."

It is my guess we are going to have to re-examine our farm price-support program, and our farm export problems, very seriously and completely in the very near future. The foregoing statement of the general situation is not too encouraging, to put it mildly.

### Master Farmers

I WANT to congratulate the Master farmer class of 1949, just recently announced. These 5 outstanding men certainly are a credit to their communities and their counties and to Kansas. They include Carl A. Brose, Jefferson county; Walter A. Zook, Pawnee county; R. E. Frisbie, Rawlins county; Jess E. Taylor, Greeley county, and Wayne Tjaden, Sedgwick county.

You will recall this Master Farmer project was started by Kansas Farmer back in 1927. Since that time there have been 18 classes of Master Farmers including the 1949 class, making a total of 140 men who have been awarded this high honor.

I know full well there are more than 140 Master Farmers in our great state of Kansas. Many more. And we knew when we started naming them it never would be possible to honor all who deserve it. However, we felt it was important to focus public attention on the high caliber found among the men who operate our most important business—agriculture. This project does the double duty of honoring men who are typical of farm leadership, and of giving public recognition to the importance of farming.

To be a Master Farmer, a successful farmer

—and there are many of you in Kansas—requires the greatest combination of abilities of any business.

I say it takes education and experience to be a successful farmer. No novice could handle the 1,000 acres Mr. Brose operates, have the right balance in crop rotations and livestock. I am proud to learn he believes in translating his farming success into better living. One thing that influenced the judges in selecting him as a Master Farmer was the outstanding job he has done in maintaining an attractive farmstead.

Mr. Zook's farming operations that cover 2,060 acres have been deservedly successful. And the family is justly proud of a new ranch-style farmhouse that is the last word in planning for comfort. Here is a note I like in the report about Mr. Zook. The house not only is comfortable for the family, but also in facilities provided for the hired help.

Each of these men, like Mr. Frisbie on the 3,260 acres he controls, follows a program that will be best for the soil, yet bring highest possible returns for the investment of labor and equipment. I say there isn't a better business man in the nation than a successful farmer. Mr. Frisbie knows which are his most profitable farming practices, and how to keep them that way.

Similar progress and up-to-dateness are found on the 5,000 acres operated by Mr. Taylor. Most profitable features he has found include: hiring efficient help, summer-fallowing, contour farming, strip-cropping and use of good machinery. I also note that while high-line electricity hasn't yet reached the Taylor farm, these folks have electricity for all farm needs supplied by a 3,000-watt, engine-driven light plant.

No one would be surprised to find that Mr. Tjaden specializes in certified seed on the 2,325 acres he and a younger brother farm. A quality farmer and a quality product naturally go together. And Mr. Tjaden has another quality in common with other Master Farmers. While they bend all their efforts toward successful farming and a high standard of living, they do not live unto themselves alone. Every one of these men takes his place in community work and organizations, and in turn serves diligently in important offices.

I am very proud of our Master Farmers—those named and the many still unnamed. But as good as they are they didn't do the job alone. I am confident they would be first to state that point. In each case there has been a devoted wife, and children who have been a great inspiration. So while my hearty congratulations go to the men of the house, they also go just as completely to the ladies of the house, and to their families.

*Arthur Capper*

Topeka.

## Eggs, Potatoes, Now a Wheat Surplus?

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—With the Atchison, Kan., cave filled with dried eggs, and with the Commodity Credit Corporation threatening to destroy its unmarketable potatoes, the Department of Agriculture has called upon Congress "to do something" about wheat before it is too late.

Unless we have another war, the wheat surplus at present rates of production and consumption, threatens to become equally unmanageable within a few years, the Department fears.

Frank Wooley, deputy director of Production and Marketing Adminis-

tration, made some recommendations to the House Committee on Agriculture this week, on proposed changes in existing law dealing with wheat acreage allotments, marketing quotas, and price supports.

The present law says the national acreage allotment for any crop shall be that determined by the Secretary to be adequate, together with estimated carryover, "to make available a supply

for such marketing year equal to a normal year's domestic consumption and exports plus 30 per cent."

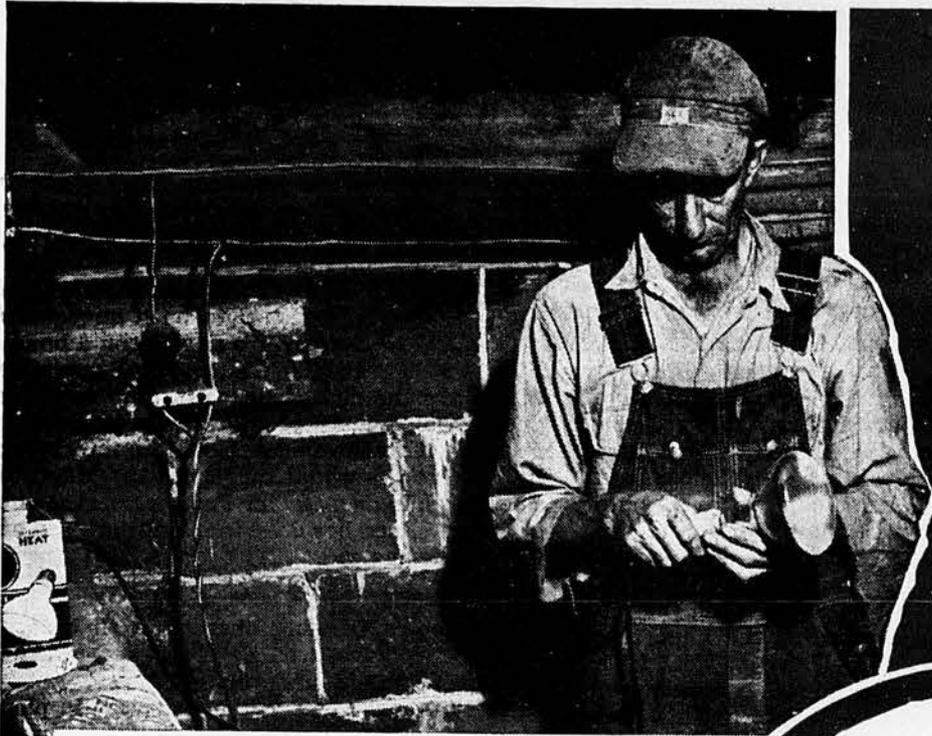
Said Director Wooley: "A supply of wheat equal to a year's domestic consumption and exports, plus 30 per cent, must be considered as excessive relative to domestic and export requirements and a reasonable carry-over reserve. Except for wartime emergencies, there has been no need for

maintaining a reserve supply in excess of around 200 million bushels to meet all requirements even in years of short crops.

"Wheat production in the United States always has been sufficiently large to assure our domestic consumers a dependable supply.

"Measures designed to maintain a balance between available supplies and indicated requirements should be put into effect before burdensome surpluses are allowed to accumulate.

(Continued on Page 32)

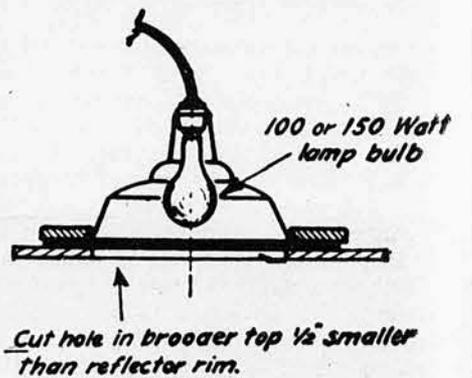


**R**EDDY KILOWATT is helping thousands of Kansas farmers produce more pigs per litter. Not only are new pigs protected from chilling during the first few vital days after farrowing, but crowding and smothering losses are also reduced. Tests show that the use of electricity has reduced the mortality losses at farrowing time as much as 30%.

**MORE PIGS SAVED MEANS MORE PROFITS FOR YOU.** This is another way in which your cheapest, strongest and most dependable servant—Electricity—can work for you.

### Build your own pig brooder:

Pig brooders can be constructed from materials usually available on the farm, and equipped with a standard 100 to 150 watt bulb. Many farmers just fence off a corner so the pigs can get under and the sow is kept out. Then they hang one of the new reflector type heat lamps above the corner. The lamps can be raised or lowered to give the intensity of heat desired. **Caution:** (Such a lamp must be kept at least 24 inches from the litter.)



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This Message  
 from the  
 Pioneers of  
 Rural  
 Electrification



- Plenty of room
- Safety from rats
- Warm backs, mean

## Chicks Will Thrive

By TOM AVERY, Department of Poultry Husbandry, Kansas State College

IF YOU are one who will make a profit on poultry during 1950, then plans already are being made for pullets you will soon start, and hope to place in the laying house about 5 to 6 months later.

If you have decided on the breed and date you hope to start chicks, then it is time to take inventory of equipment and facilities available. If the laying house is to accommodate 300 hens, it should have at least 1,000 and preferably 1,200 square feet of floor space. To crowd hens in a laying house invites trouble, particularly from cannibalism and colds.

Some persons prefer to purchase straight-run chicks. But if it means overcrowding the brooder house in an attempt to rear sufficient pullets to fill the laying house in the fall, then it is wise to buy sexed pullets. Space ordinarily occupied by cockerels is available for pullets and less crowding results.

### Need Plenty of Room

Overcrowding in the brooder house is indirectly the cause of much mortality that cannot otherwise be accounted for. For best results each chick should have at least 1/2 square foot of brooder house floor space. If 400 chicks are started, then 200 square feet of floor space should be available. It is unwise to place too many chicks under one hover. Three hundred chicks usually do much better under a hover that is rated for 500.

It is foolish to place chicks in a brooder house that is not ratproof. One rat in a single night may kill enough chicks to much more than pay for all labor and equipment required to ratproof the building. Rats also destroy large quantities of feed and are known to carry disease. No poultry house is large enough for both rats and chickens.

Successful brooding is dependent upon having an adequate and reliable supply of heat. There is no one best type of brooder stove or supply of heat. The more common types are electricity, oil, gas, coal, radiant heat, overhead heat, and battery brooding.

When electricity is available, it may be wise to use electric hovers. Principal advantage to their use is convenience and saving on labor. Use of oil brooder stoves has long been popular. They are economical and put out a lot of heat. They also keep the litter reasonably dry. If gas is available, a gas hover is one of the most economical to operate. Great care must be taken in getting

the stove properly adjusted. Poorly regulated gas stoves have been known to cause carbon monoxide poisoning in baby chicks. Brooding with coal stoves is not common in the Midwest, although in some areas it is popular. The advantage to coal brooding is that the litter is kept dry. Inconvenience and danger from fire are 2 disadvantages.

Radiant heat is fairly new and ordinarily is used only where large numbers of chicks are to be brooded, and where more than one brood is reared annually. Hot-water pipes from a central heating system are installed in the floor of the brooder house. There are many advantages to such a system. The heat is even throughout the pen and more chicks can be brooded in a given area than with other systems. Litter is dry and lessens danger from disease. Once installed, they are economical to operate. Disadvantages are the great initial expense of installation, and the slowness with which adjustments in heat can be made to take care of rapidly changing weather.

Overhead heat is used under much the same conditions as radiant heat, that is, on commercial poultry farms. With this system the heat is supplied by hot water, steam or gas, and a fan blows the warm air over the room. The source of the heat and the fan are at one end of, or at the top of, the brooder room.

### Reduces Labor and Losses

Battery brooders are popular where it is desirable to start large numbers of chicks and hold them for short periods. Some folks prefer to keep a battery brooder in the basement where chicks are brooded for the first 2 or 3 weeks and then moved to the brooder house. This system usually reduces early brooding losses and saves labor, particularly if chicks are started early. It is desirable for each unit of the battery brooder to be equipped with a separate heating unit.

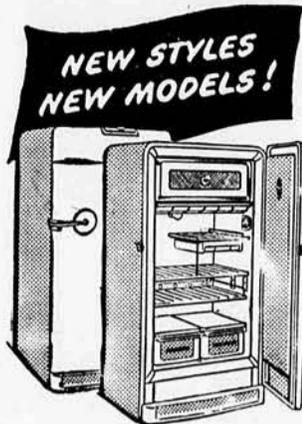
Essentials for good heating of baby chicks are that sufficient heat be available to maintain a temperature of from 95 to 100 degrees F. on a level with the chick's back during the first week, with a drop of 5 degrees F. each week as the chick grows older. It is not necessary to maintain the entire room at that temperature so long as the chick has a warm place to go when he gets chilled. It is equally important for him to have a cool place to go in the event the heat goes out of control and gets too hot. Steady heat without draft is most essential.

## For Best Taste in Meat



FLOOR-GROWN BROILERS ARE BETTER: Starting broiler chicks in batteries is fine. But after 3 or 4 weeks they should go onto the floor for best taste in the meat. These broilers are among the first set from the G. F. Hines plant at Burlingame, and that's his opinion.

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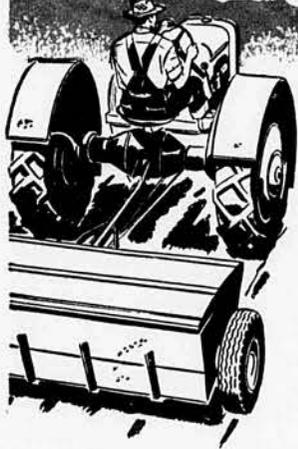
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# Thoughts TO LIVE BY

## "Transcendent Joy"

THERE is the passing pleasure of a party. It enables us momentarily to forget our cares and anxieties. Because it may be found for the seeking, millions of dollars are spent each year in the pursuit of this pleasure. But it is like a pump that needs constantly to be primed, and in periods of poverty and adversity, loneliness, suffering and sorrow, the well runs dry.

Fortunately, there is an abiding joy that transcends our fear and frustration, discouragement and defeat, and our suffering and sorrow. It keeps the heart singing in poverty, loneliness and adversity. Even in his blindness, George Matheson had it. He wrote the words we sometimes sing:

*O Joy that seekest me thru pain,  
 I cannot close my heart to thee;  
 I trace the rainbow thru the rain,  
 And feel the promise is not vain  
 That morn shall tearless be.*

The plight of Robert Louis Stevenson was surely as bad as most of ours. Yet he had this joy. Propped up in bed with his right arm taped to his chest lest he move it and cause his lungs to hemorrhage again, for he was a victim of tuberculosis, suffering the excruciating pain of sciatica, and partially blinded by ophthalmia, he nevertheless penned these words with his left hand:

*The world is so full of a number of things,  
 I'm sure we should all be as happy as kings.*

The Nazarene had it, too. In the Upper Room, he comforted his anxious and frightened disciples. In his discourse, we find these significant

words: "These things have I spoken unto you, that my joy might remain in you, and that your joy might be full." The "Man of Sorrows" was a man of joy, too.

That is the kind of joy we all need. It will be faithful to us in the time of need. But it cannot be bought, neither can it be found for the seeking. How then can we experience this joy? It comes as a reward to self-giving people who think little about happiness for themselves. It is a by-product left to those who render a worthy service.

Lord Byron gave us a helpful suggestion. He said:

*All who joy would win  
 must share it;  
 Happiness was born a twin.*

When we give others such happiness that their cup overflows, we get the overflow. Happiness comes under the law of "higher mathematics." Contrary to the arithmetic by which we usually live, we gain happiness only as we give it away. We add to our supply only by subtracting from it. To hoard joy for oneself is to lose it.

Another suggestion can be found in the Psalms: "In thy presence is fullness of joy; in thy right hand there are pleasures for evermore." Our secular society, despite its physical comforts and scientific gadgets, is grossly unhappy. Its pursuit of pleasure reveals that. The late Dr. Peter Marshall made a keen observation: "We are too Christian really to enjoy sinning, and too fond of sinning really to enjoy Christianity." Apart from God, life is empty, lonely and sad. Joy lies in the direction the Apostle Paul pointed when he wrote, "Rejoice in the Lord always, and again I say, Rejoice."  
 —Larry Schwarz

## Veterans Make Good

### Under On-the-Farm Training Program

By JAMES SENTER BRAZELTON

FEW people realize the vast amount of good that will come out of the veterans' On-the-Farm Training program, carried on across the nation under the G. I. Bill of Rights. It is good for the trainees as it teaches scientific farming methods. It offers a higher standard of living for the veteran and his family.

It is good for the nation's agriculture as a whole because the training these fellows get, put into actual practice on their farms, cannot help but result in increased production.

The G. I. trainees have access to the latest important farm news and information that is more current than that found in textbooks. They get the kind of information practical farmers want about new things in machinery, buildings and equipment, livestock, dairy, crops, soils, pest control, poultry, orchards and gardens and everything about the farm.

#### Marked Improvement

Already there has been marked improvement in the "livability" of farm trainee families, for they are rapidly acquiring better, more comfortable homes. Eating better, too. Veterans are not only learning about labor-saving appliances, but what's more they are learning how to get them by efficient farming.

Thirteen of the 24 veterans in an On-the-Farm Training class in the Troy rural high school own their farms, 1,542 acres in all. Some rent land in addition, bringing the total to 1,639 acres. Not all of these owned and rented

acres are tillable, for there are only 2,052 acres under cultivation.

Contour farming is practiced on 1,010 acres. In the 25 months this class has been in existence much terracing has been done, and last year 31 grassed waterways were established preparatory to more terraces. During the year just passed 187 acres of cropland were returned to grass and 183 acres are in temporary pasture.

About 262 acres were seeded to sweet clover last year and 86 acres of alfalfa were planted. Red clover was planted

(Continued on Page 11)



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 "Well, another minute and we'll find out whether that little old nerve is still alive and kicking!"



## Kansas Dealers

ABILENE—Cruse Tractor Co.  
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SALINA—Kansas Tractor Sales Co.  
 SEDAN—Wall Tractor & Equip. Co.  
 SENECA—Anderson-Holmes Impl. Co.  
 SMITH CENTER—  
 Jones Tractor Sales & Service

TESCOTT—Miller Motor Co.  
 TONGANOXIE—  
 Laming Tractor & Impl. Co.  
 TOPEKA—Shawnee Tractor & Impl. Co.

VALLEY FALLS—  
 The Modern Tractor & Impl. Co.  
 WAKEENEY—Midwest Marketing Co.  
 WAKEFIELD—Brougner Tract. & Impl. Co.  
 WAMEGO—Wamego Tract. & Impl. Co.  
 WASHINGTON—Bill Seitz Imp. Co.  
 WELLINGTON—  
 Sumner County Tract. & Impl. Co.  
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1340 Burlington, N. Kansas City, Mo.  
 Distributor for Kansas



on 31 acres last spring. There are 40 acres in lespedeza. Certified seed was used on 496 acres. Some 599 bushels of seed were treated. Thirty-six miles of permanent fence have been constructed since the class was organized September 1, 1947. Four windbreaks for protection of farmstead and lots have been planted and 2 farm ponds have been built.

Many tons of lime, commercial fertilizer and manure have been applied by the veterans, and they are reaping the reward of larger yields. Livestock constitutes an important project or projects on each of these farms, for it is realized that without it farms would not be properly balanced and soil fertility could not be maintained. Fourteen farm buildings were constructed last year.

Henry Miller has built 5 individual farrowing houses for his purebred Hampshires and intends to build 3 more. Five of the veterans have improved the appearance of their places by painting. Emil Prawl and Robert Bryan each sprayed cornfields with 2,4-D. Ray Lewis, Norman Bahr, Jed Denton, Lambert Shalz and William Tracy have done outstanding jobs at gully control.

#### Have Good Livestock

Louis Ptomey raises purebred Durocs and recently took out membership in the Duroc Breeders Association. Henry Miller has joined the Hampshire Breeders Association and also the Aberdeen-Angus Association. Cecil Wright, the only colored man in the class, has 7 registered Ayrshire cows entered in the Doniphan-Brown-Nemaha Dairy Herd Improvement Association. This trainee will have a U. S. Certified flock of White Leghorns this coming season and has contracted to sell hatching eggs to a U. S. Certified hatchery in Highland.

At a recent preliminary meeting, preparatory to organization of a cooperative artificial-insemination association in Doniphan county, 2 G. I.'s in this class, Dale Gechter and Louis Ptomey, were chosen to sit on the 10-man board of directors. Nearly one third of the class has affiliated with the Doniphan county Farm Bureau within the last 2 years.

Frank Dombrowe, Joe Losson, William Tracy and Louis Ptomey have purchased electric refrigerators. A new electric motor and pump jack on the Frank Dombrowe farm now pumps water for his hogs and fattening cattle in a pasture some distance from the house.

#### More Own Tractors

Tractors are owned by 23 of the trainees. When the class was started only 14 had tractors. Corn pickers, combines, manure spreaders and manure loaders, side-delivery rakes, power take-off posthole augers and other modern farm equipment owned by class members, if assembled in one spot, would fill an enormous machine shed.

#### Dairy Support

One important point of the new dairy price-support program is that the program will run for 15 months, says Emmet Womer, state PMA chairman. "This means farmers have something definite to bank on thru March, of 1951," Womer adds.

New dairy price supports call for a national average price of about \$3.07 per hundredweight for manufacturing milk of 3.95 per cent butterfat (yearly average test), and about 60 cents a pound for butterfat.

Recent legislation requires that farm prices of milk and butterfat be supported at levels between 75 and 90 per cent of parity. The new dairy supports represent about 79 per cent of the parity equivalent price of manufacturing milk. Support operations, Mr. Womer said, would be carried out by purchases of various kinds of processed dairy foods.

#### Kite Making Is Fun

Kansas Farmer has a limited number of the leaflet, "Up to the Clouds with a Kite," which we shall be glad to mail to anyone upon request. It is just as much fun making a kite as it is flying it. Instructions for making various types of kites are given in the leaflet. Please address Uncle Cordy, Kansas Farmer, Topeka, and enclose 3c for postage.

# for BIGGER CROPS ahead



## USE THIS CULTIVATOR behind!

The forward-looking farmer—cultivating with a Ford Tractor equipped with a Dearborn Rear Attached Cultivator is sure of a clean crop. This cultivator follows the tractor accurately. There's no neck-tiring watching of gangs down under you. Your eyes are well ahead, just as in plowing, planting or mowing.

You get a better cultivator for less money because the Ford Tractor's triple quick-attaching replaces bolts and nuts for mounting; and Ford Tractor built-in Hydraulic Touch Control replaces levers and springs on the cultivator. For fast, effective killing of weeds to increase your yields and profits, ask your Ford Tractor dealer to demonstrate this equipment.

DEARBORN MOTORS CORPORATION • DETROIT 3, MICHIGAN

## Dearborn Rear Attached Cultivator

This cultivator comes with either rigid or spring shanks. Spacing is easily adjusted for two rows of corn, cotton, tobacco, etc., and many vegetable crops. One-minute attaching and detaching save time when time means money.



See your Ford Tractor dealer now...



#### GET A DEMONSTRATION...

Try this type of cultivation. Your nearby Ford Tractor dealer will gladly demonstrate the Ford Tractor and Dearborn Rear Attached Cultivator; then, judge for yourself. See or phone him now.



Dearborn Spring Shank Cultivator, companion to the Rigid Shank Cultivator in large picture. Especially good in stony, root-filled or weedy soil.

Ford Farming MEANS LESS WORK... MORE INCOME PER ACRE

# NEW CYCLONE AIR CLEANER

removes  
**DUST**  
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**PROVEN ON OVER  
1/2 MILLION TRACTORS**  
... now available  
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Save needless engine wear and maintenance expense with Cyclone Air Cleaners

on your tractor, car, and truck. Cyclone Air Cleaners trap harmful dust and abrasives before they enter your engine.

CYCLONE operates on a centrifugal principle that swirls 90% of all dust particles into a glass receptacle. Pre-cleaned air is then blown through a high quality filter paper to remove any remaining microscopic particles.

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**TRACTORS**

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**TRUCKS**

Start saving "hard cash" on engine maintenance now. Install Cyclone Air Cleaners! On sale at better car, truck, and tractor dealers.

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## Warm Floors For His Pigs

**E**LECTRICALLY-HEATED concrete floors, that can be kept at a constant temperature of 90 degrees, solve the pig brooder problem for George Verhage, of Osborne county.

The hog barn is a converted horse barn. Hog pens are 4 feet wide by 14 feet long and have concrete floors throughout, but electric cables are laid under an area at one end that is 4 by 4 feet. The thermostat is in the center of 4 pens and with it Mr. Verhage can operate 2 pens separately or all 4 pens at the same time.

Plans call for 200 watts to each pen and the system uses a kilowatt every 2 1/2 hours for each pen. Mr. Verhage has a rate of 2 cents on all of it as it comes in over his minimum.

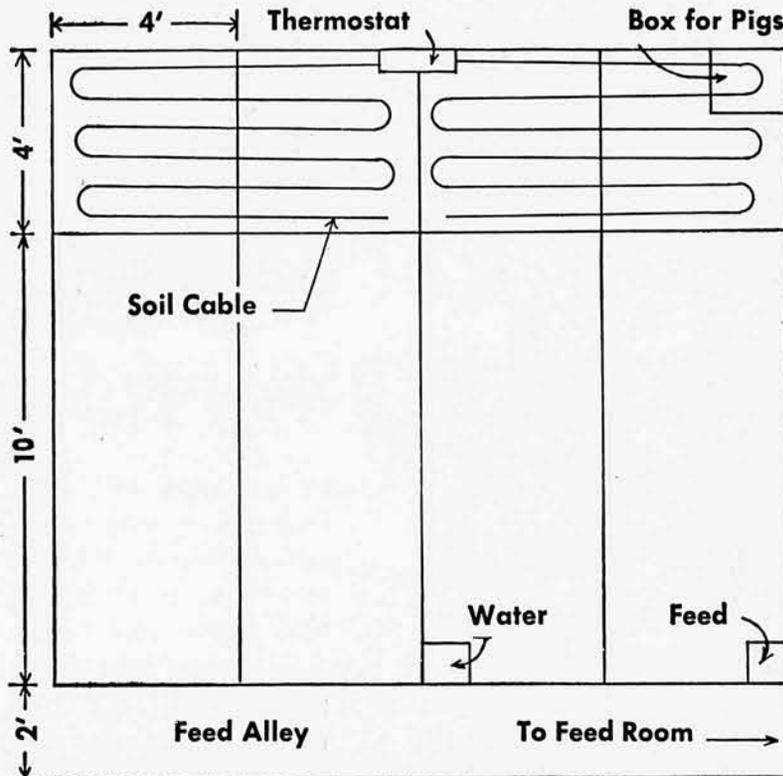
"The system is slow in starting," he says, "but once you get the floor warm it holds the heat much the same as a

warm brick. I start the electricity about 4 days ahead of farrowing and run it for 3 or 4 days after farrowing. Cost has been 50 cents a day for 4 sows. I put a 3-sided box in a corner of the heated area so pigs can get away from the sow, but don't need any additional heat."

Wires are inbedded in 1 1/2 inches of concrete. Cost of materials for the electrical cables and thermostat for 4 pens was about \$42.

Water is piped down a center aisle to serve pens on both sides, and a feed alley services all pens.

Mr. Verhage likes the long, narrow pens better than square because, he says, "the pigs and sow will dirty the end near the service alley and away from their sleeping quarters. This makes the pens easier to keep clean." Mr. Verhage may have something.



**KEEP PIGS WARM:** This drawing shows arrangement of pens, the area heated with electric soil cables, and location of thermostat to control heat in 4 pens. Feed and water, of course, are available to each of the 4 pens. Mr. Verhage finds the arrangement very easy to use.

## What Dairymen Asked

### Questions and Answers During Farm Week

**O**NE highlight of the dairy program during Agricultural Week at Kansas State College, ending February 3, was the "question and answer" session under leadership of Prof. F. W. Atkeson, head of the dairy husbandry department.

Here are questions dairymen asked, together with answers by college officials:

**Question—Is the new artificial-breeding program at the college for the exclusive use of association members in various counties, or can anyone order semen from the college?**

**Answer—**Individuals in counties or areas served by a local association must belong to the association to get service. Farmers living where there is no association eventually will be able to get service, but preference will be given at first to associations.

**Question—Will definite lines of breeding be followed in choosing bulls?**

**Answer—**Not especially. Proved sires will be purchased, where possible. The college wants bulls whose daughters average in the upper 25 per cent in production for their breed. In selecting young bulls they want sons of the best proved bulls they can find. Next, they want proof of the maternal grandsire. Bloodlines will be followed only when they meet these specifications. There won't be any straight line-breeding program.

**Question—Will young bulls be kept long enough to cause in-breeding problems in herds using the service?**

**Answer—**No.

**Question—Does the breeder have his choice of bulls when ordering semen?**

**Answer—**No.

**Question—How much influence does feeding heifers have on their production as cows?**

**Answer—**Since size of a cow is an important factor in milk production, feeding has a lot to do with it. One authority goes so far as to say that feeding and other environmental factors count for 75 per cent of the cow's production, and breeding for only 25 per cent.

**Question—Will artificial breeding disappoint breeders if they don't feed well?**

**Answer—**Yes. Use of better bulls thru artificial breeding will give cows higher potential production, but this can be largely lost thru poor feeding and management.

**Question—At what age should a well-fed heifer freshen?**

**Answer—**She should be bred for calving at 2 to 2 1/2 years, depending on breed. Most breeders, if mistake is made one way or the other, breed too early.

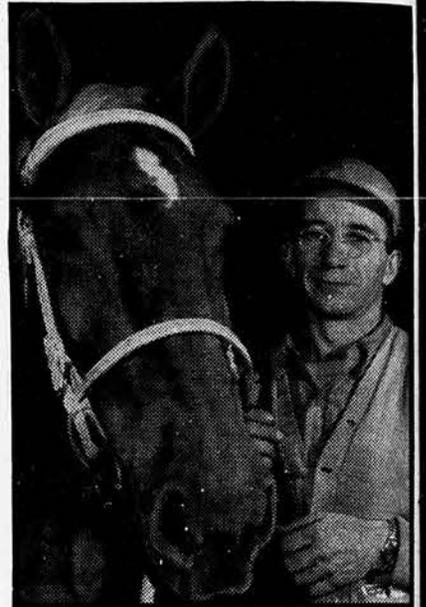
**Question—In speaking of feeding heifers well, do you mean heavy grain feeding?**

**Answer—**No. All good roughage and from 6 to 10 pounds of grain daily are needed.

**Question—What percentage of pro-**  
(Continued on Page 13)

## Wins International Grand Championship 3rd Straight Year!

Ohio Farm Family Again Wins  
Top Award For Belgian Mare



George Harkness and 3-time champion mare, Victory. Like many farm and sports winners, Harkness is a Wheaties man. How about you? Getting YOUR Wheaties?

**S**ANDUSKY, OHIO—Once again, George Harkness' horse Victory is Grand Champion Belgian mare at the International Live Stock exposition! This great mare has won international top honors for the past three years. She's also been Champion at National Belgian shows in 1947-48-49!

\*\*\*

Horses aren't all the Harkness family raise. They also grow 400 acres of oats, corn, sugar beets, soy beans, tomatoes and wheat. That's 400 acres of hard work! Looks like they need lots of Wheaties. They get 'em, too—George eats Wheaties 6 times a week. He likes those nourishing flakes with milk and peaches.



"Joe! Let him have the Wheaties! We'll get more in town!"

Favorite hobby of whole Harkness family is showing draft horses. A hobby they can ride! Family also agrees on liking Wheaties. Wheaties are first choice for breakfast with many families. They're America's favorite whole wheat flakes—second-helping good!

For any active, hungry family, Wheaties are a mighty fine year-round cereal. Those 100% whole wheat flakes are really nourishing! A famous training dish, furnishing B vitamins, minerals, protein, food energy. Had YOUR Wheaties today? "Breakfast of Champions!"



Extra value with Wheaties. (1) Silverware coupons in Wheaties and other General Mills products. (2) 50% more than regular size in Wheaties' Extra-Big-Pak.

"Wheaties" and "Breakfast of Champions" are registered trade marks of General Mills.

tein feed is needed for growing heifers when fed with alfalfa hay?

Answer—If feeding good hay, you need about a 12 per cent protein ration. If the roughage is poor you will need to go higher.

Question—In artificial breeding is the relation of males to females born normal?

Answer—Yes. The normal ratio is 107.3 bull calves to each 100 heifers. This holds true in both regular- and artificial-breeding methods.

Question—Will heifers from artificially bred cows be more likely to be sterile than naturally bred heifers?

Answer—No.

Question—What value does urea have in the dairy ration?

Answer—Urea can replace one third of the protein in the ration.

Question—Are we making any progress in treatment of mastitis?

Answer—Yes. Penicillin has been doing an excellent job on the most prevalent types of mastitis and there are better drugs coming.

Question—What can we use as a substitute for DDT to spray dairy cattle?

Answer—Methoxychlor. It costs more and doesn't last as long, but it is safe to use and will kill flies just as effectively.

Question—Is it more profitable to breed cows back immediately after freshening or just once a year?

Answer—Cows are most fertile 90 to 100 days after freshening. It is best to start breeding about 60 days after freshening. If you miss the first time you still have the cow's most fertile period in which to try again.

Question—Should some preservative be added to all grass silage?

Answer—Most spoilage samples received at the college are from silage put up by wilting. It appears best to use some preservative.

Question—How much molasses should you use as a preservative?

Answer—Not more than 80 pounds to the ton.

Question—When silage turns black, how much reduction is there in the feed value?

Answer—Quite a bit, especially of the proteins.

Question—Is there danger of giving calves too much warm water immediately after they are given milk?

Answer—Yes. Calves do not need water for the first 3 months if they are getting whole milk.

Question—Does feed have anything to do with mastitis?

Answer—No significant difference has been shown in experimental studies, but observation of herds indicates heavy protein feeding will aggravate mastitis once the cow has infection.

Question—Is there any relation between minerals and mastitis?

Answer—Not enough data available on this.

Question—When feed is ground too fine do you lose digestibility?

Answer—Perhaps. Especially with wheat.

Question—How do you know how fine to grind?

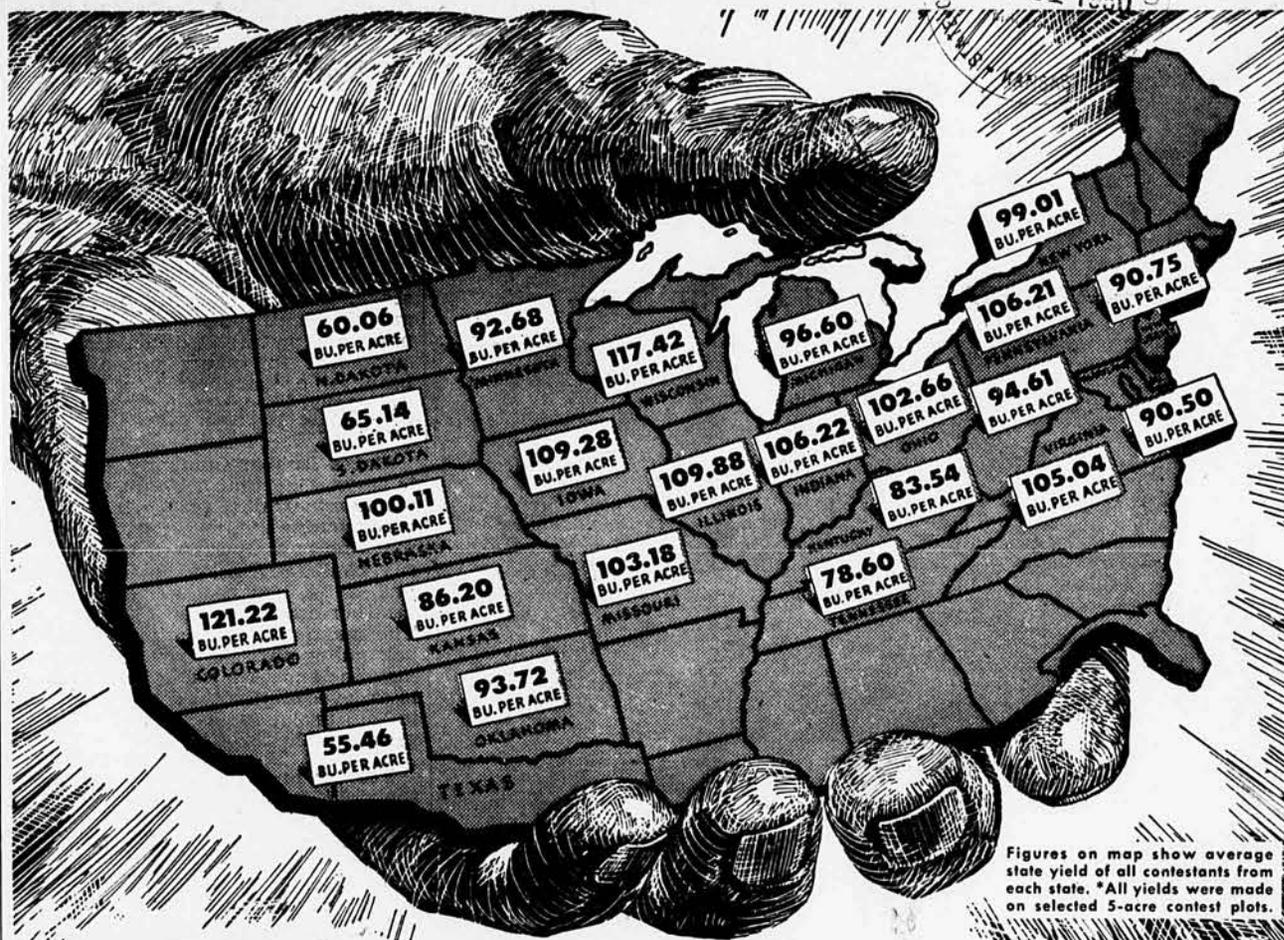
Answer—Corn meal should have a gritty feel when you rub it in your hand. If not gritty it is too fine.

Question—How about feeding thyro-protein to dairy cows?

Answer—Thyro-protein, if fed a high-producing cow just as her production begins to lag, along with added concentrate, will increase production. Cows on test, however, cannot be legally fed thyro-protein.

Question—Will sweet sorghum seeds, ground and mixed into the feed, cause cows to dry up?

Answer—No. But an exclusive diet of sorghums—grain and roughage—will. An exclusive-sorghum diet is too low in protein. Alfalfa hay should be fed with it.



Figures on map show average state yield of all contestants from each state. \*All yields were made on selected 5-acre contest plots.

## Not ONE but 4,428 Farmers Average 101.52 Bushels\* of DeKalb per Acre!

NAME	STATE	YIELD
Fred Fiebig	Colorado	179.56
Elwood Godwin	Delaware	133.29
Carl J. Schnitzler	Illinois	170.24
Verle Little	Indiana	209.33
Phillip Marshall	Iowa	190.90
Walter Ruhnke	Kansas	129.45
E. W. Yates	Kentucky	119.10
Ralph J. Davis	Maryland	142.68
James Nyhof	Michigan	142.97
John E. Timm	Minnesota	138.80
Ivan McPike	Missouri	139.44
Chet Rieck	Nebraska	150.17
Harold Fetherman	New Jersey	114.21
Harold Metzner	New York	144.09
J. F. Nagel	North Dakota	106.96
Brautigam Bros.	Ohio	168.04
W. W. Merritt	Oklahoma	151.52
Phil Hyatt	Pennsylvania	153.71
Harold & James Rabe	South Dakota	115.46
W. H. Prowell	Tennessee	114.67
W. E. Hill	Texas	100.32
Herbert N. Kirkpatrick	Virginia	113.11
Irvin Fehling	Wisconsin	204.21

DeKalb is a dependable corn—the kind of corn that's bred to yield well for America's farmers—for you—good years and bad. Proof of DeKalb's yielding ability, under varying weather conditions and on many different soils, can be found in the high average yield of 101.52 bushels made by the 4,428 farmers in DeKalb's 1949 Corn Growing Contest.



**1949 CORN CHAMP MAKES 209.33 BUSHELS**  
The ears of DeKalb corn four-year-old Linda holds so proudly, are part of the outstanding yield of 209.33 bushels per acre her father, Verle Little (left), Lake County Indiana farmer, made to win the 1949 National DeKalb Corn Growing Championship. Good farming plus good DeKalb Seed Corn helped make this yield possible.

DEKALB AGRICULTURAL ASS'N, INC., DEKALB, ILL.  
Commercial Distributors of DeKalb Hybrid Seed Corn

**More Farmers Plant**  **than any other Hybrid**

**BEST FIELD SPRAYER BUY!**

**NEW Jayhawk HAS EVERYTHING IN A QUALITY MACHINE AT LOW COST**



**Check These Features . . . Get the Jayhawk Price Before You Buy.**

Jayhawk's strong welded steel frame adjusts for boom heights of 8" to 44". Universal mounting fits most tractors. Oversized bronze gear pump drives directly from power take-off. Operator has complete control of pressure, volume and all three booms right from tractor seat. Solution is triple strained by large surface strainers and the non-drip check valve nozzles are spaced for accurate, complete coverage. Self aligning boom hinges prevent breakage, increase control, simplify use. Hand boom for tree, livestock, garden spraying and drops for row crops available. Other features and low price with big FREE CIRCULAR. Write today.

Cut-away showing nozzle weld-in extending into boom to trap sediment, minimize orifice clogging.

**THE WYATT MFG. CO., INC. JAYHAWK FARM IMPLEMENTS SINCE 1908 SALINA, KANSAS**

**Read the Ads In This Issue**

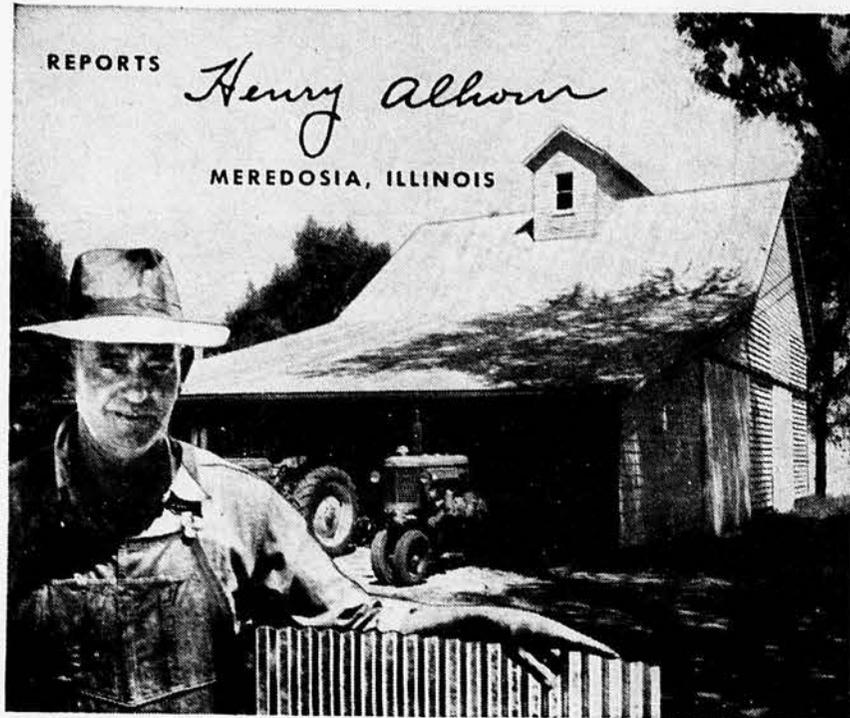
There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer.

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!**

*"I saved money with Strongbarn."*

— PATENTED ROOFING AND SIDING —



REPORTS

*Henry Alhorn*

MEREDOSIA, ILLINOIS

*"The barn I just finished cost me less because I used Granite City Strongbarn corrugated roofing,"* says Mr. Alhorn,

who farms 700 acres near Meredosia. "I not only saved money on the roofing, but I saved on lumber. And I have a stronger, better barn."

"So you see why I recommend Granite City STRONGBARN to any farmer. STRONGBARN is not only the best galvanized roofing—it costs less, too!"

**Strongbarn Galvanized Steel Roofing and Siding is Stronger, Better, Cheaper**

**STRONGBARN** is stronger than 26 gauge conventional roofing even though 21 lbs. per square lighter.

**STRONGBARN** means tighter roofs and siding. It stays flat and even, with tight joints. That's why it resists winds that tear and buckle conventional roofing.

**STRONGBARN** is easy to apply. Because it is stronger and tougher, it wears longer and better.

**STRONGBARN** saves you money because it is lighter. Also because Purlins and Girts in new buildings can be spaced further apart than required for conventional galvanized roofing and siding.

See your dealer or write

**GRANITE CITY STEEL COMPANY**

Granite City, Illinois

**"Have You Heard—"**

Notes on New Products of Interest to Farmers and the Folks Who Make Them

**A**N IDEA to help keep track of where you planted the rhubarb or the larkspur is a plastic marker marketed by a Blue Springs, Mo., gift shop, "Gift Crafters." The durable, 4-color marker, tacked top and bottom to a stake, gives a colorful preview of the garden, identifying what is planted by name and picture. A dozen or more are suggested for party prizes, remembrances, or just for yourself. More than 1,000 garden items are in the selection offered.

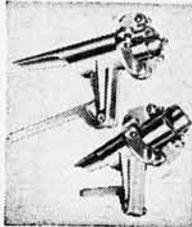
Gates Rubber Company, of Denver, is suggesting that a V-belt conversion for hammermills, feed grinders, ensilage cutters, pumps or any other farm machine is a timesaver. V-belts, they say, can't come off, even in a high wind and a farmer can grind when the weather won't permit anything else. The matter of converting the tractor belt pulley and the power drive on the machine and then using belts that run in grooves eliminates a lot of fussy lining up problems, especially when the ground is slippery.

For the problem of felling a tree in the right direction, Jacobs Wind Electric Co., Minneapolis, comes up with a "tree jack" as an answer. The device provides safety, eliminates saw pinching and will cause the tree to fall straight-away or sideways, according to information released. Furthermore, the bottom part of the jack disconnects to lift or hold logs for sawing and de-limbing.



Now on the market thru Kansas stores is a complete line of household items made of plastic. For your home freezer they have a line of freeze bags and boxes. Of the same transparent plastic material is another line of food and utility bags to preserve fresh foods and cover clothes, appliances, silverware and other household goods. The company has even incorporated the long-wearing qualities of plastics into bristles of household brooms and into a sponge-mop-squeegee. For washday, they have a line of plastic clothespins that are smaller, more compact and will last many years, and plastic clothesline of great strength, lasting quality and less stretch. All of this has hit the market since the war ended, produced by two young graduates of M.I.T. The products come under the trade name "Kordite," the location: Victor, N. Y.

For docking sheep in a hurry, a new "Jiffy" docking instrument is being introduced by the Hawkeye Mfg. Co., of Cedar Rapids, Ia. It is a one-man tool that automatically releases a rubber band on the sheep's tail. It is made of cast aluminum with a bronze plunger and weighs approximately one pound.



Eversman Mfg. Co., Denver, has developed a machine described as an "automatic land leveler and hydraulic scraper." It is a combination leveler, field plane, scraper and seedbed producer that will work behind a wheel or track-type tractor. The finger-tip hydraulic control, short turning radius, many duties, and rigid design are the points emphasized. It can be transported readily behind a pickup or roadable tractor.

An item for Ford tractor conversion is a single front wheel and front-mounted cultivator manufactured expressly for this tractor by the Phillips Foundry Company, Bakersfield, Calif. The arrangement is said to interchange with the standard Ford 2-wheel assembly, and the hydraulic control of the cultivator is independent of the rear implements. The manufacturer states that special emphasis has been placed

on the steering qualities of the unit, necessary where precision planting and cultivating are in order.

Added to the long line of Farmhand tools, made by Superior Separator Company, Hopkins, Minn., is a new multi-use hydraulic loader for smaller tractors that can be left mounted year around. It has several features including a thru-pump drive with projecting power take-off for operating other implements while the loader is mounted. There is a new attachment for this loader, too, a new type, full-width manure fork and hay basket. The fork clamps down on big loads to steady them and stop spilling and blowing.



An addition to the products put out to heat hotbeds electrically is "Thermotape," a flexible heating tape made by Smith-Gates Corporation, of Plainville, Conn. The unit furnishes a controlled temperature for growing seedlings, transplants and rooted cuttings. It demands a standard 110-volt electricity supply and only a convenience outlet to put it in operation.

Yet another loader line is announced by Dearborn Motor Corp. for the Ford Tractor. There are 3 models in the group. The Dearborn Standard is built for a capacity of 750 pounds and can be equipped with either bucket, fork or crane. The Heavy Duty Loader has a capacity of 1,000 pounds. The third model in the line is the Heavy Duty Loader equipped with hydraulic bucket and manure fork control. The latter 2 models are operated by self-contained hydraulic pumps. The Standard model is operated from the Ford hydraulic system.

"For the rancher, dairyman, grassland farmer and fruit grower," is the scope of a new grassland seeder now being marketed by the C. J. Turley Company, of Bloomington, Ill. The Grassland Special Seeder, as it is called, broadcasts granular nitrate, pellet fertilizers and small seeds at the same time in accurate, individually controlled amounts.

A one-man snow shovel on wheels, an ideal tool for driveways, walks and concreted lots, is being produced by a Kansas City concern, The Mercury Electric Corporation. Called the Sno-Dozer, the implement has a 14-gauge steel blade 24 inches wide, welded construction, and runs on 8-inch rubber-tired wheels.

Next month Continental Oil Company is going to tell Kansas farmers about a new automotive oil that has passed some astonishing wear tests.

A full-page advertisement in the next issue of Kansas Farmer will tell results of an official order from the company's top officials to make a motor oil that would virtually stop engine wear in its tracks. Most spectacular of the test was a fleet test by 6 cars and 4 trucks, each traveling 50,000 miles in 70 days in extreme high temperature. Careful check of operating costs and engine wear showed some amazing economies, the final proof which gave the company engineers the green light to let the public have the oil.

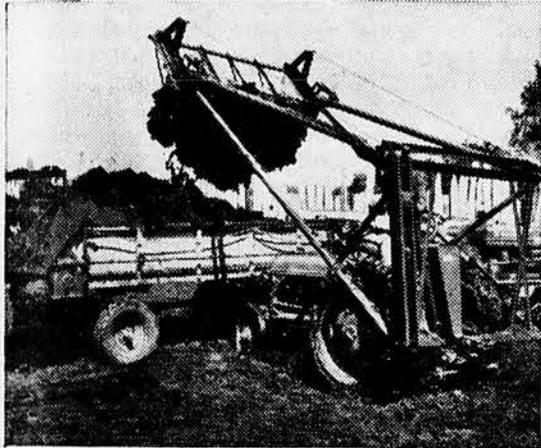
Likely you already have noted the announcement by J. I. Case of their new ventilating process in hay baling. As they say, the Case "NCM" Slicer-Balers are equipped to produce ventilated bales having air passages in the dense bale center, which give the hay a chance to "breathe" and cure more uniformly thruout. Greater preservation of protein, minerals, vitamins and carotene is claimed for this new process. Greater latitude in weather under which hay can be baled also is given.

If you wish more information on any product mentioned here, please address your request to "Have You Heard" Department, Kansas Farmer, Topeka, Kan.



# "Farmers agree it's 4 times faster than ordinary spreaders...this great FARMHAND "POWER-BOX"

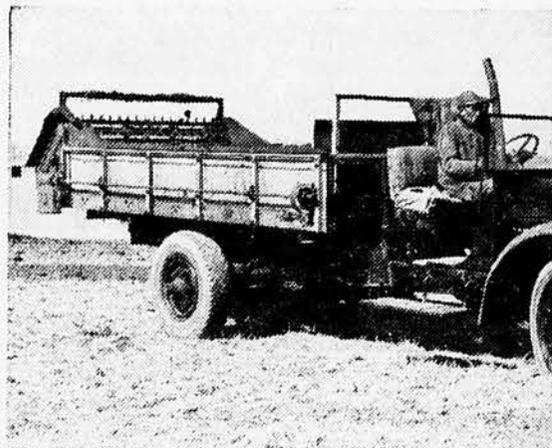
HANDLES 5 TONS at a time with remarkable speed and efficiency... mounts on wagon, 2-wheel trailer or truck... performs dozens of other farm jobs, too



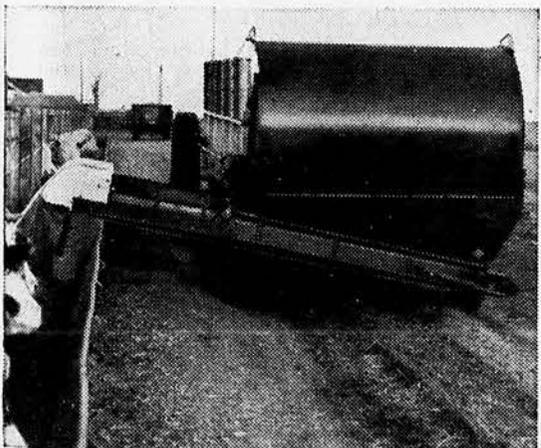
**HERE'S YOUR TEAM** for biggest manure-handling jobs. You'll fill that big 5-ton-capacity box in minutes with a FARMHAND "Special" Loader's full width manure fork. Then your "Power-Box" takes over... hauls the load anywhere... spreads automatically by take-off powered conveyor apron and beaters.



**WHAT A SPREADER!** Tough channel steel beater bars with welded teeth break up clods and lumps... "widespread" gives even distribution. Works silently... no ratchets to give you trouble. Acid-resistant wood and aluminum construction... extra wide for stability... fine mechanism with ball and roller bearings.



**FITS ANY RIG...** including trucks, which makes it easy to haul and spread on distant fields. Mounts perfectly on FARMHAND's famous "90" Wagon and single axle dual wheel trailer. Use it for general hauling, too... silage, corn, feed, chopped hay, grain, bales, bulky or loose loads. Spreader attachment removable.



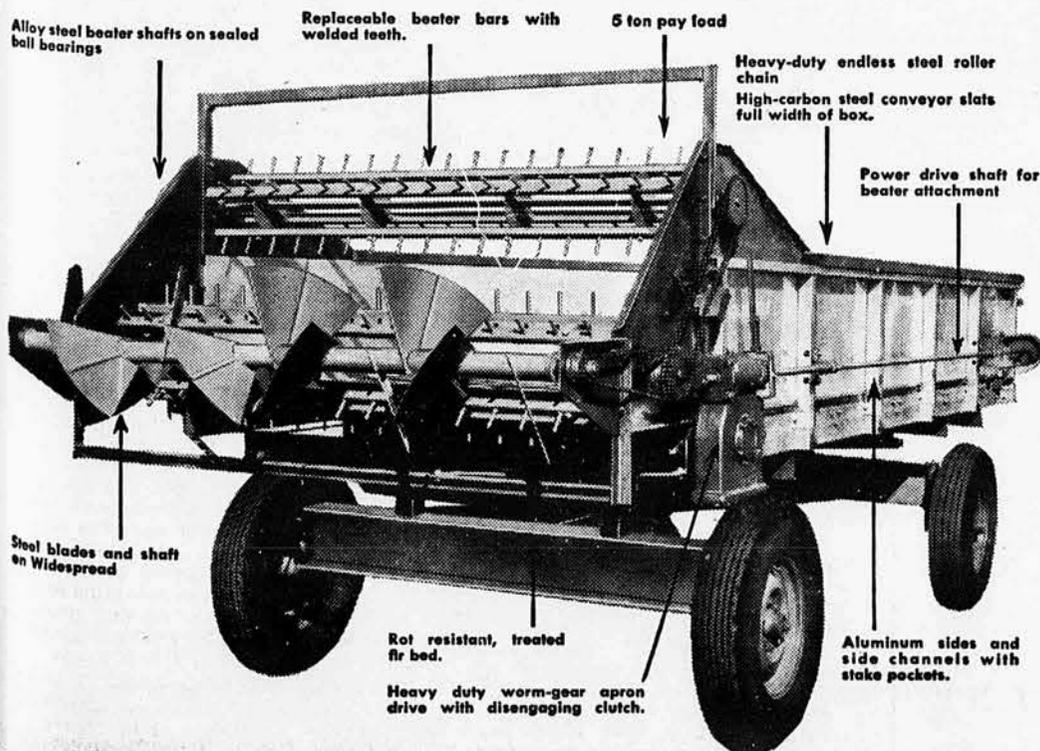
**FEEDING STOCK.** Your "Power-Box" with Mixer-Feeder Attachment makes large scale feeding an easy one man job. Power driven drum and beaters inside mechanism thoroughly mix and deliver up to 5 ton loads of feed into bunks. "Power-Box" is ideal, too, for hauling and unloading feed corn. You can't match it for all-around versatility on dozens of farm jobs.



**NO MORE DRUDGERY** unloading wagons! A single lever starts or stops unloading action. You can move out entire load or any part of the load with complete control. See the "Power-Box" at your FARMHAND Dealer's. You'll agree it does more work per dollar invested than any wagon box on the market! Saves time, work on any kind of load.



**PERFECT PARTNER** for your "Power-Box" is this new, compact FARMHAND "Special" Loader pictured here with hydraulic-action Grapple Fork Attachment taking hay out of frozen stack. This loader, designed with 7 important new improvements, is built to fit smaller tractors. Attachments are available for haying, loading and lifting all types of materials.



## Farmhand "POWER-BOX"

Reg. U. S. Pat. Off.

Built for farmers by  
**SUPERIOR SEPARATOR COMPANY, HOPKINS, MINN.**  
 Farm Machinery Specialists

FARMHAND DIVISION  
 Superior Separator Co.  
 Hopkins, Minnesota

Please send me booklets with specifications on the following FARMHAND products:

- "Power-Box"     "Special" Loader     "90" Wagon  
 Heavy-duty Loader     Single axle trailer

Name .....

Address or RFD Route .....

Town.....State.....

# "OUR FAVORITES,"

Say the Master Homemakers

GOOD food and Master Homemakers just seem to go together. After all, good food helps make a better world and the Master Farm Homemakers had something to do with making it. Ask one for her favorite recipe and you may be certain the finished product will be delightful, delectable and just plain good. We did that . . . asked all five of the women of the Class of 1949 for their favorites. Try them and the world will look better to you, too.

## Roast Leg Of (Alden) Lamb

Many a farm homemaker in Kansas knows Mrs. Verne Alden, of Franklin county, as the president of the State Home Demonstration Council. When asked for her favorites, she suggested leg of lamb with barbecue sauce, the lamb from the Alden flock. She says, "Rub a trimmed leg from 80- or 90-pound lamb with salt. Place it in a self-basting roaster in a slow oven (250° F.) and roast about 4 hours. Do not add water. Serve with the following sauce:

### Barbecue Sauce

- |                               |                                   |
|-------------------------------|-----------------------------------|
| 1 stalk celery, chopped       | ¼ cup vinegar                     |
| 2 or 3 medium onions, chopped | ¼ cup sugar                       |
| ½ green pepper, chopped       | ¼ cup catsup                      |
| 2 tablespoons butter          | 1 tablespoon Worcestershire sauce |
|                               | 1 cup stock from roast            |

Mix ingredients and cook until vegetables are tender.

## By Florence McKinney

From Marion county, Mrs. Karl Seifert sent us two of her favorites, picnic salad and a graham cracker custard.

### Picnic Salad

- |                                      |                           |
|--------------------------------------|---------------------------|
| ½ pound cheese, diced                | 1 dozen eggs, hard-cooked |
| 1 pound boiled ham or chicken, diced | 2 green peppers           |
| 2 cups cooked string beans           | 2 medium onions           |
|                                      | 2 tomatoes                |
|                                      | 1 head lettuce            |

In a large mixing bowl, put diced cheese, meat, lettuce broken in pieces with fingers, chopped eggs and green beans. Chop one green pepper and one onion and add to salad mixture. Salt to taste. Toss lightly with just enough French dressing or mayonnaise to moisten slightly. Arrange lettuce leaves on a large platter and pile on salad, heaping in the middle. Garnish with the remaining pepper, onion rings and sliced tomatoes. Serves about 12 to 14.

### Graham Cracker Custard Dessert

#### CRUMB CRUST:

- |                                 |                           |
|---------------------------------|---------------------------|
| 16 graham crackers, rolled fine | 4 tablespoons brown sugar |
|                                 | 4 tablespoons butter      |

Combine ingredients with a pastry blender until well mixed. Spread one-half of the mix-

ture in an 8-inch square cake pan. Put remaining half aside to be used later.

- |                            |                                   |
|----------------------------|-----------------------------------|
| ½ cup sugar                | ½ cup cold water                  |
| 2 eggs, separated          | 1 cup shredded pineapple, drained |
| ½ cup milk                 | ½ cup nut meats, broken           |
| 1 tablespoon plain gelatin | 1 cup whipping cream              |

Mix sugar and well-beaten egg yolks, add milk and cook in double boiler until mixture thickens slightly. Remove from heat and add gelatin which has been soaked in a little cold water. Cool, then fold in stiffly beaten egg whites. Whip cream and fold into mixture. Stir in pineapple and nut meats. Pour mixture into cake pan. Sprinkle with remaining crumbs and set.

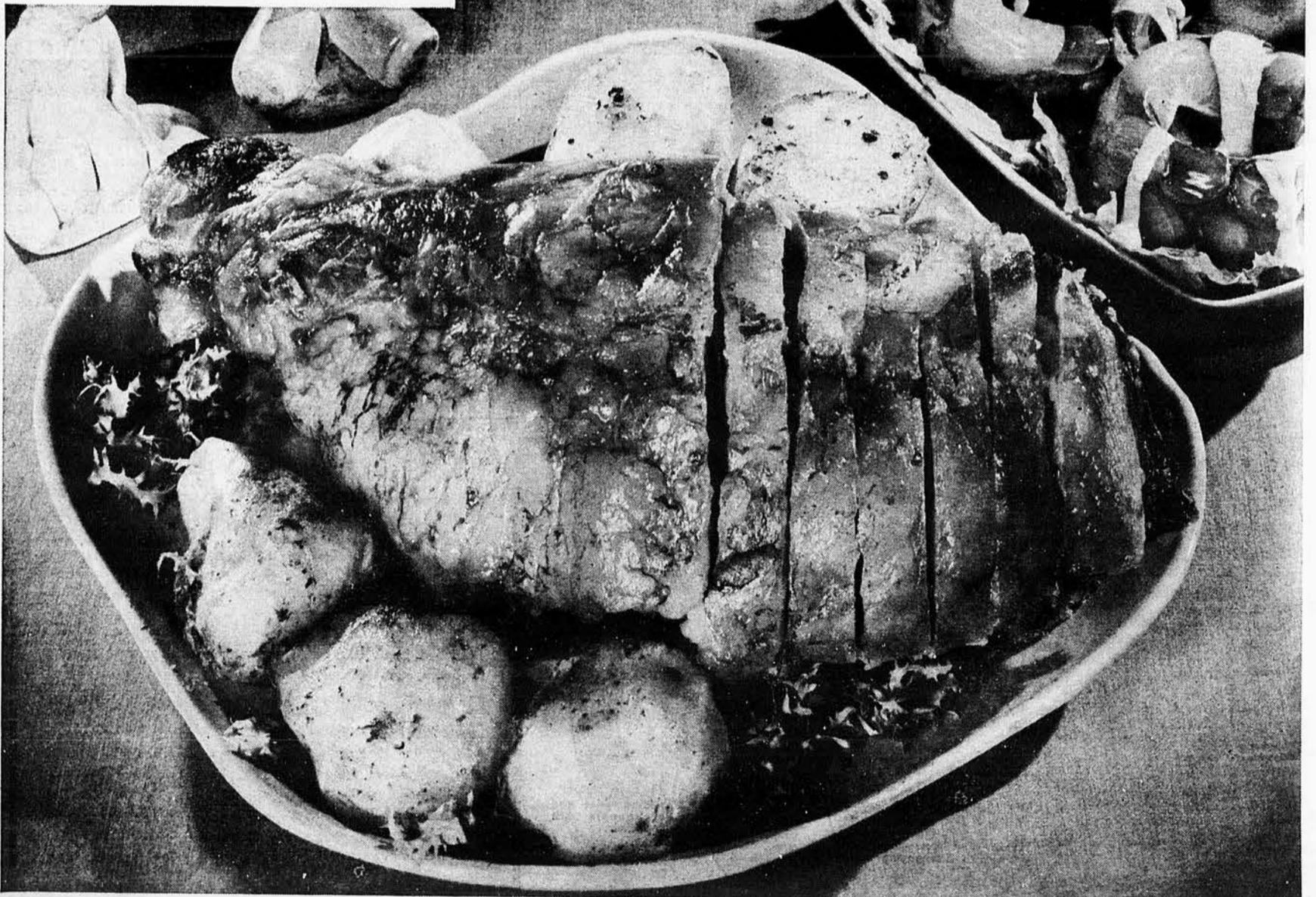
Mrs. Fred Paulson, of Stafford county, sent along a salad recipe, one to serve at a picnic or family party in cool weather. Her young folks love to cut marshmallows, crack nuts and grate the cheese while she makes the gelatin.

### Marshmallow-Cheese Salad

- |                          |                             |
|--------------------------|-----------------------------|
| 3 packages lemon gelatin | 1 cup whipped cream         |
| 1 tablespoon lemon juice | 1 cup cooked salad dressing |
| 1 tablespoon sugar       | 1 package marshmallows, cut |
| 3 pints hot water        | ½ pound grated cheese       |
|                          | 1 cut nuts, broken          |

Soften gelatin in 3 pints hot water. Add lemon juice and sugar. Set [Continued on Page 17]

SERVE LAMB WITH BROWNE POTATOES: Roast leg of lamb combines well with browned potatoes and a fruity gelatin salad.



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until it quivers. Beat. Add the blend of whipped cream, salad dressing, marshmallows, grated cheese and nuts. Pour into two flat dishes and chill. Serves about 24.

For creating a special color scheme and ribbon effect, Mrs. Paulsen suggests that a layer of lime gelatin be poured over the lemon gelatin layer.

Mrs. John Ramsey, of Cheyenne county, in the far northwest, says that her family enjoy a baked apple dish which she serves for either a dessert or salad.

**Baked Apples**

- |                      |                      |
|----------------------|----------------------|
| 6 medium tart apples | 6 tablespoons butter |
| 6 tablespoons sugar  | mincemeat            |
|                      | 6 walnut halves      |
|                      | ¼ cup water          |

Wash apples, remove cores and place in baking dish. Add sugar and butter inside cores of apples. Fill each core cavity with mincemeat. Top with a walnut half and add water to dish. Bake until tender in moderate oven (350° F.) for about 25 to 30 minutes. Serves 6.

Mrs. Ramsey serves this hot or cold, but prefers it nearly cold on lettuce leaf with a wedge of cheese.

**Special Gingerbread**

For years, Mrs. Ramsey has made this special gingerbread. It makes a large amount and the batter will keep for a while in the refrigerator; in fact, it improves.

- |                     |                  |
|---------------------|------------------|
| 1 cup sugar         | 3 eggs           |
| 1 cup shortening    | 2 teaspoons soda |
| 1 cup milk          | 1 teaspoon       |
| 1 cup molasses      | ginger           |
| ¾ cups sifted flour | ¼ teaspoon salt  |
|                     | 1 cup raisins    |

**Depends on Childhood**

Citizenship is the sum total of the individual, how he has learned to live, love, give and take, share and work with others. Whether it be good or poor depends largely on the guidance and experiences he has had in childhood and youth.

—Mrs. Lydia A. Lynde.

**Too Many Flowers?**

*Try a Living Memorial*

"Too many flowers" . . . that's what most of us feel like saying after we have attended the average funeral. We seldom mention our feeling tho, because we may hurt someone's feelings.

Unless you have had the experience of trying to find a suitable place for the dozens upon dozens of vases and baskets of cut flowers after they have been taken to the cemetery, you will not know how difficult that task can be. But the time will come when you feel helpless trying to dispose of an abundance of flowers. Hospital attendants do not usually welcome the gift of flowers brought in after a funeral. They are a care at any time in a hospital and many patients are depressed by them. Friends and neighbors may very well feel the same.

**Plan Memorial**

Whenever a death occurs in a community and the friends and relatives feel reasonably certain there will be a profusion of flowers, that is the time to plan for a living memorial. It is most appropriate, coming into wider practice and may be carried out in several different ways. It is a fine, thoughtful gesture. It not only honors the dead, but benefits the living. We need not be people of wealth to establish a living memorial. In any case, the living memorials will be appreciated by the bereaved families.

A professional man in our community whose hobby was fruit-tree grafting was honored by his neighbors in a way they felt he would have approved. For many years he had contributed to an orphanage. On inquiry, the group of neighbors learned that a row of fruit trees on the property would be a most welcome gift. So the row of fruit trees was planted in due season. To a man who had loved fruit trees during his lifetime, could anything be more appropriate?

In another case, a substantial check was taken to the home of a dearly loved

grandmother by her neighbors and friends, stipulating that it was to be spent in her memory for Sunday School chairs. In the church where she had worked as a Sunday School teacher, and where her grandchildren attended, the primary department was in need of new chairs. Not only were her grandchildren able to enjoy them, but her memory was kept alive in a spot where she had worked with children dear to her heart.

For smaller gifts or as an individual gift, a check to the Crippled Children's Fund, the Red Cross, the Polio and Cancer Funds are always worthy memorial gifts.

Not so widespread is the idea of memorial gift books to public libraries. Whenever this memorial plan is carried out, the gift books must be suitable and are most acceptable as a single volume or a complete collection. Attractive bookplates are placed in each book presented to the library. The name of the person in whose memory the book is given, and the name of the person or organization presenting the book, are written on the bookplates.

**Banana Cake**

- |                         |                       |
|-------------------------|-----------------------|
| 1½ cups sugar           | 2¼ cups flour         |
| ½ cup shortening        | 1 teaspoon soda       |
| 2 eggs                  | 1 teaspoon vanilla    |
| 4 tablespoons sour milk | ½ cup hot water       |
|                         | 2 or 3 mashed bananas |

Combine sugar, shortening and eggs and beat well. Add soda to flour and sift. Combine all ingredients, adding mashed bananas last. Pour into an oiled loaf-cake pan and bake in a moderate oven (350° F.) for about 45 minutes. This cake is moist and will keep for several days, suitable for the lunchbox, too.

Mrs. Buchman says it may be served with or without icing. She suggests whipped cream for topping.

can. No candles, no dates, just pretty flowers."

Most of us lose our heads about things pertaining to death and funerals. But if we take time to think on these things we too may establish living memorials that warm the hearts of those who have lost their dear ones.—By C. W. W.

**For Wedding Anniversary**

Kansas Farmer has a brand-new leaflet entitled "Golden and Silver Wedding Anniversaries." Besides several suggestions for entertainment of guests, there are suggestions for invitations, decorations, a menu for a family dinner and refreshments for a reception. A copy of the leaflet will be sent upon request to Entertainment Editor, Kansas Farmer, Topeka. Price 3c.

**Toastmaster's Handbook**

Everywhere and all the time there are meetings, dinners, conventions, being held. Someone is responsible for seeing that the program goes off right. Usually that's the toastmaster or the president. Here is a book for just that person.

It would be the ideal gift for a new organization president. The Toastmaster's Handbook brings to the person in charge of a meeting a wealth of helpful material in the way of illustrations of actual introductions, interesting stories from speeches, witty sayings, quotations for many different occasions. There is plenty of material, both serious and humorous.

The Toastmaster's Handbook by Herbert V. Prochnow is published by Prentice-Hall, Inc., New York City. Price \$3.95.

**Too Lonesome**

Jennie unwillingly put on her gloves instead of her mittens. "I don't like to wear gloves," she complained. "My fingers get so lonesome."—By Mrs. H. L. L.



**SPECIAL No. 7**

25 lbs. Canadian Lake Winnipeg Walleyed Pike, dressed, headless, SCALED, glazed, ready to cook.	
25 lbs. Canadian Lake Winnipeg Northern Pike, dressed, SCALED, glazed, ready to cook.	
25 lbs. Canadian Lake Winnipeg Silver Bass, dressed, headless, glazed.	
25 lbs. Fancy Lake Superior Herring, dressed, SCALED, headless.	
100 lbs. Net of fish, packed in dry ice.	\$35.00
50 lbs. Net ½ of each variety of above order, packed in dry ice.	\$18.00

WRITE FOR FREE CATALOG  
Containing other specials, and prices on frozen, smoked, salted, pickled fish, also lutefisk, oysters and other sea foods.

**FRADET FISH COMPANY**  
224 Front Street, West Fargo, North Dakota

**PINKING SHEARS**

Precision Made • All Metal • Pre-War Quality

not \$5.98, not \$7.98  
but **\$2.98**  
only

- Pinks all lightweight materials, such as silk, rayon, linen, jersey, cotton and light wools.
- Extra durable
- Nickel plated
- 7½ inch length
- Spring tension adjustment
- Can be sharpened

Sold on 10-day money-back guarantee. Send only \$1.00. We will ship shears balance C.O.D., plus C.O.D. fee. Or send only \$2.98—we ship postpaid.

**CHRISTY SHEAR CO.**  
Dept. KF Charles City, Iowa

**GOOD MONEY IN WEAVING**

Earn money at home weaving rugs, carpets, etc. from old rags or new yarn—in your community! No experience necessary. \$1,000 doing it with easy running Union Looms costing less than \$50.00! Send for our free booklet today.

**UNION LOOM WORKS, 21 Factory St., BOONVILLE, N. Y.**

**3 TIMES AS MANY WOMEN PREFER FLEISCHMANN'S YEAST**

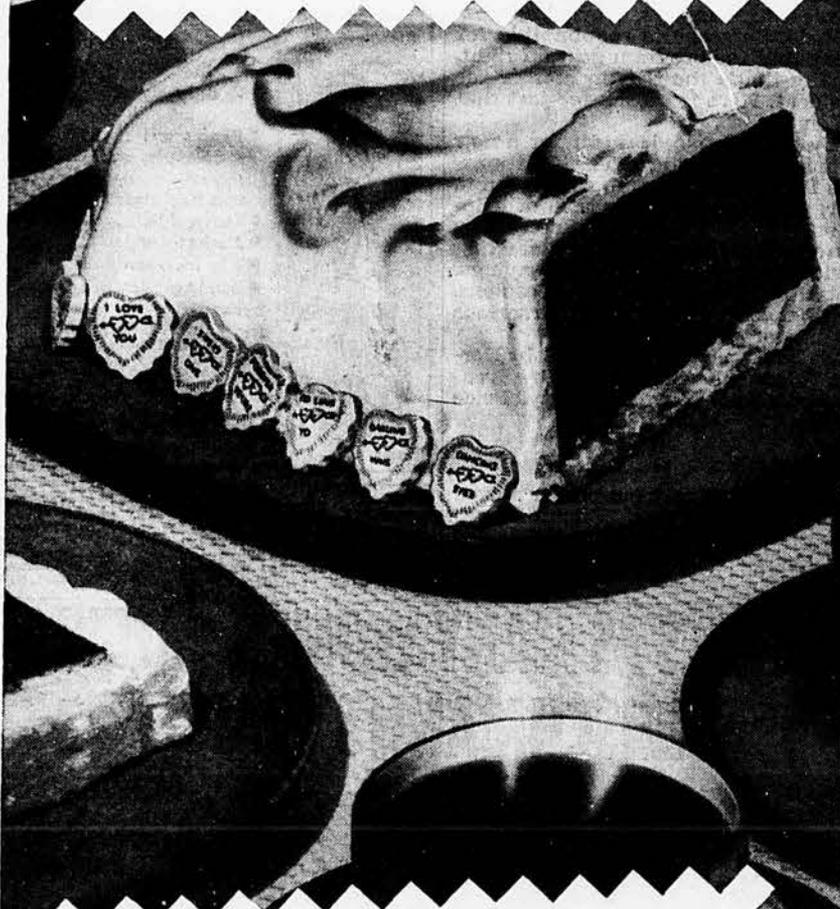
*"It works extra-fast because it's extra-active. One yeast I can depend on always!"*

**FLEISCHMANN'S**  
fresh-active  
**YEAST**

**FLEISCHMANN'S**  
**FAST RISING**  
**DRY YEAST**  
ACTS FAST!  
STAYS FRESH!

# "Company dinner" surprise baked alaska and steaming, fragrant coffee

Baked Alaska is child's play to make . . . and it's so delicious served with fragrant, flavorful Hills Bros. Coffee. With the same rich flavor, uniform in every pound, this coffee is smart buying. It's a skillful blend of the world's finest coffees . . . and "Controlled Roasting," an exclusive Hills Bros. process, roasts the blend *a little at a time*—continuously—for flavor-perfection. Vacuum-packed for utmost freshness.



## BAKED ALASKA

- 1 pint packaged vanilla ice cream
- 1 pint packaged chocolate ice cream
- 1 8-inch round layer sponge cake

- 1/4 teaspoon salt
- 4 egg whites
- 1 teaspoon vanilla
- 1/2 cup sugar

Keep ice cream frozen very hard in cartons. Cut 2 strips off sides of cake, leaving oblong about 4 1/2 inches by 8 inches. Put on baking sheet and place in refrigerator. At dessert time, heat oven very hot (500° F.). Add salt and vanilla to egg whites; beat with rotary or electric beater until stiff but not dry; gradually beat in sugar, making very stiff meringue. Remove ice cream blocks from cartons and place side by side on cake. Quickly cover cake and ice cream with the meringue. Brown in hot oven about 1 minute. Transfer to platter, surround with Valentine candy hearts; serve at once. Makes 8 servings.

Serve with Hills Bros. Coffee

U.S. Pat. Off.

Copyright 1950—Hills Bros. Coffee, Inc.

Everybody  
likes  
Hills Bros  
Coffee



## Sew for Spring



4556  
SIZES  
34-50



4823  
SIZES  
12-20

ONE  
PIECE

ONE  
PIECE



4718  
SIZES  
S-14-16  
M-18-20

Only  
One yard  
small size



4775  
SIZES  
2-10

4775—A party frock, for play or school, depending on material. Easy to sew. Sizes 2 to 10. Size 6 requires 2 1/4 yards; panties, 1 yard 35-inch material.

4556—Your favorite shirtfrock designed to slenderize your figure. Sizes 34 to 50. Size 36 requires 4 1/4 yards; 3/4 yard of contrasting 35-inch material.

4823—Easy and fast sewing! Bodice and skirt each are in one piece. Sizes 12 to 20. Size 16 dress requires 3 yards of 39-inch material.



9248  
SIZES  
34-48

9248—Tops your skirts so beautifully. Has flattering scallops, tie-bow and side sweep. Sizes 34 to 48. Size 36 requires 2 1/2 yards of 39-inch material.

4718—Whip up this apron for gifts. Just one piece, plus ties and pockets. Sizes small, (14, 16) and medium (18, 20). Small size requires one yard of 35-inch material.

4666—Refreshing ensemble with simple sewing details. Designed for your town and country activities. Sizes 12 to 20. Size 16 dress, 3 3/4 yards; bolero, 1 3/4 yards of 35-inch material.



4666  
SIZES  
12-20

## News to You?

**T**HE last cookies made from a rolled dough are sometimes heavy and tough, due to the extra flour used in rolling. Next time, dust the board with confectioners' sugar instead of flour. It keeps the cookies tender and maybe you'll even like them better.

Always losing your galoshes? Carry a snap clothespin with your name printed on it. When you take your galoshes off at the next club meeting, snap them together with the pin. Fine for children at school. If Johnny is too small to read, draw some symbol as hearts or stars on his clothespin.

Don't soak beans overnight anymore! The latest research indicates that dry beans can be soaked in as little as one hour. The trick is to boil the beans for 2 minutes, then let them cool to room temperature and stand for the hour.

Some meat or one or two eggs for breakfast can do more than any other food to prevent that tired feeling just before noon. That favorable feeling of well-being depends more on the protein in the meat and eggs than in the calories in starch, sugar and fat.

Well-flavored, mashed, cooked beans mixed with a little minced onion, chopped celery or pickle relish make a delightful sandwich filling for the school lunch box.

Coming into wider use as the home-maker comes to appreciate fine flavoring are the seasoning salts . . . celery salt, garlic salt and onion salt. Try onion and celery salts on pork chops. Try all three rubbed into your steaks next time they're on the menu.

Wonderful plum and fig puddings come in cans these days. And not too expensive, either. Serve them hot according to directions on the can with hard or lemon sauce. They're a mighty fine addition to that emergency shelf.

There are innumerable uses around the kitchen for aluminum foil. It's ideal for wrapping leftover vegetables . . . they stay fresh and moist longer. Wrap it around leftover food and store in the refrigerator . . . with no dishes it saves space. Use it several times before discarding.

Evidence is piling up to indicate that a weak spot in this country's national diet pattern is the prominence of highly refined and rich foods. The average American gets nearly a third of all his calories from fats, sugars and alcohol. His appetite for soft drinks, confections and pastries adds up to too many calories for best health. These are eaten at the expense of the more nutritious foods such as vegetables and milk.

If the motor of your electric refrigerator runs a great deal, it is time to check for the reason. To test the tightness of the door, close it on a piece of ordinary wrapping paper. If the paper pulls out easily, the gasket is not tight enough to keep warm air from seeping inside. The next step is to check the latch and hinges. Try tightening them. If the paper still slips out easily, a new gasket is in order.

### 25 Suggestions

For family or party entertainment we suggest our leaflet, "Homemade Fun." If small children are learning to spell or to figure, there are interesting games to help them. Another family game is "Geography." "Star Studies," or "Fun at Dinner" will interest the whole family. Other games and suggestions in the leaflet—25 in all—will be of help to the hostess or leader of the party. For a copy of the leaflet, please address Entertainment Editor, Kansas Farmer, Topeka, and enclose 3c postage.

They think of everything these days. Even the appliance outlets on new electric ranges are connected with the timing clock so you can put on the morning coffee before going to bed and have it piping hot and brewed for a grand awakening next morning.

Latest electric fans, we are told, have the oscillating mechanism ahead of the motor. The new arrangement, in which the motor and oscillator are completely enclosed as a unit, removes the dust-

catching properties of former styles and makes cleaning with one swipe of a dustcloth possible.

Do you immediately wipe up spilled water and fat from kitchen, laundry and bathroom floors? Are there secure handrails for each stairway, inside and outside? Is the hall well lighted?

The secret for making good coffee is to measure both water and coffee accurately. For good coffee, use 1 level tablespoon to 1 cup of water. Use a measuring cup to measure the water, not a tea cup.

Wash light bulbs and fixtures in warm water to which a few drops of ammonia have been added. This increases the amount of light.

Lined draperies are usually more satisfactory than unlined ones. They hang better, the fabric is protected from fading and the appearance from the outside is more pleasing. The initial cost however is greater.

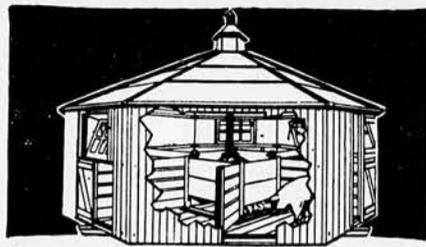
City families are using less butter and lard, but more margarine and other shortenings since 1942. They use less than two thirds as much butter, but 3 times as much margarine.

### For Vigorous Living

These are the foods we need to eat in larger amounts: Milk, leafy green and yellow vegetables, vitamin C foods and high-quality protein foods. So said Dr. C. G. King, Scientific Director of the Nutrition Foundation. These are the foods that produce vigorous living. Some of them are among our most expensive foods, too. Greater production of these foods might lower the price and thus make them available in sufficient quantity to all people.

### Grease the Top

If you fear that rice or any other food will boil over, grease the top of the kettle inside around the rim. The boiling liquid will go no higher than the greased ring.



### Economy Farrowing House Boosts Your Pig Profits

This is the year to get in on those "winter pig" profits: The new **ECONOMY Farrowing House** helps you raise 2 litters per year, safely—without trouble even in coldest weather. Has patented central heating system with thermostatically controlled 70° temperature for pigs. 6 separate pens—each accommodates sow and 10 pigs. Prevents trampling or overlaying. Waterer and feeder in each pen. Perfects the McLean System. Portable, sectional. Complete for LESS than you can build. Completely guaranteed. Write for FREE descriptive literature, low prices.

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**Henry Field Seed & Nursery Co.,** 0000 Elm St., Shenandoah, Iowa

❖ **The Poet's Corner** ❖

**Right On Dreamin'**

On winter day, let's dream of May;  
The brooks with fish are teemin'  
Let's bait our hook and read a book  
And just go right on dreamin'.

When skies are gray, let's fly away  
To ports where sun is gleamin'  
If hunger stings, we'll dine with kings  
And just go right on dreamin'.

With war clouds o'er, we'll build  
once more,  
And set the world a-streamin'  
The heart that's low, we'll make it glow  
And just go right on dreamin'.

Altho you're sad, others are glad,  
They start the day a-dreamin'  
Your task done well, you'll ring the bell,  
And just go right on dreamin'.

—By Bertha Delaney Miller.

**Nose-talgia**

If I could bottle winter scents  
As perfumers do cologne,  
Enjoying whiffs the whole year round,  
What treasures I would own!

I'd fill a vial with pointed top  
That I'd call "Christmas Pine,"  
"Crisp Zero Morning" by the ounce,  
For it's heady as wine.

Another favorite, "Wildwood Smoke,"  
To conjure cheery blaze;  
But the spicy best of all, I'd call  
"Baking at Holidays!"

—By Lillian Easley Moore.

**Modern Miracles**

We tend to speak of miracles,  
As of some bygone day,  
How come that queer idea,  
I cannot rightly say  
'Cause every day's a miracle  
As far as I'm concerned,  
Amazing wonders greet me  
At every corner turned.  
It's quite a trick to change  
A grain of wheat to flour,  
And many things as wonderful  
Confront us every hour.  
We plant a tiny seed;  
An insignificant speck  
And in due season it returns  
It's fruit yield by the peck.  
We watch the little bee and say,  
"Oh, she's just making honey,"  
If that isn't a miracle, try it . . .  
You'll find it's not so funny.  
A red cow eats green grass,  
Gives white milk and yellow butter,  
But to explain that daily miracle  
Has made the best of 'em stutter.  
Perhaps, we'd be wise to pause  
In our daily struggle for gold  
And realize the miracles today  
Are as marvelous as any of old.

—By Ethel Posegate.

**A Poem Is a Happy Smile**

A poem is a happy smile,  
A moment's burst of gladness;  
When hearts respond in cheery style,  
A poem is a happy smile.  
We like them with a bit of guile,  
Perhaps some subtle madness;  
A poem is a happy smile,  
A moment's burst of gladness.

—By Mary Alice Holden.

**I Swept the Attic**

I started to sweep the attic  
At a time when the day was new,  
It shouldn't have taken an hour  
But 'twas evening when I got thru.

A trunk in the darkest corner  
Held treasures intriguing and bright,  
I caught one glimpse of the contents  
Then dragged it into the light.

A skirt my maternal grandma  
First wore on her wedding day  
A fiberwood box of trinkets,  
Some beads that were gypsy-like gay.

A musty package of letters  
That told of the love of a youth,  
And some fancy childhood playthings  
Were tucked away in a booth.

Replacing these treasures gently,  
And closing the lid on the past  
I pulled the trunk back to its corner  
And hurried to finish my task.

Then I found a pile of schoolbooks  
With facts that were old but yet new.  
It shouldn't have taken an hour  
But 'twas evening when I got thru.

—By Hazel Griffith Davis.

**Home From School**

A roar, the bus moves on,  
With goodbyes trailing after,  
A scuffle 'cross the lawn,  
A burst of happy laughter,  
A whistle or a snatch of song  
The opening door, and then;  
The house that slumbered all day long  
Has wakened up again.

—By L. L.

**Make Taffy Apples**

Ever make taffy apples? They rate high with the younger set and this is exactly the right season. Once the taffy or sirup is ready, they can be turned out by the dozen for a party. Taffy apples can be a money-maker, too, for the Sunday school class or 4-H Club.

Select firm, ripe apples that are not too large. Be sure they are free from

imperfections. Wash and stem and run a wooden skewer or stick into the center of each. Metal skewers tend to discolor the apple and give an off-flavor.

To prepare the taffy or sirup, combine 1 cup granulated sugar, 1 cup brown sugar, 1 tablespoon lemon juice or vinegar and ½ cup hot water. Mix thoroly and boil to 290° F., by the candy thermometer or until it cracks when tested in cold water.

Then set the taffy pan in a pan of boiling water and keep the water boiling. This is to prevent the taffy from hardening. Dip the apples in the sirup coating each one thoroly. Stand them on wax paper to cool.

**Homemade Finger Paint**

Finger painting is becoming popular not only with children but among adults. For children you can make the finger paint in your kitchen. Here is the recipe.

- ½ cup starch
- 1½ cups boiling water
- ½ cup soap flakes
- 1 teaspoon glycerin
- vegetable coloring

Mix starch with small quantity of cold water, add boiling water and cook till clear and glossy. Stir in dry soap flakes. Cool. Add glycerin, pour in several small jars and add coloring. Make several colors, for little folks enjoy finger painting with red, blue, orange and green. Let them paint on paper, using their fingers to get their own designs.

**Bride's Blue Book**

This popular leaflet has been revised and brought up-to-date for the bride-to-be and her mother, planning the wedding. Information on announcement of the engagement, invitations, wedding dress, the trousseau, showers, parties, wedding reception, and many other things of interest, will be found in the leaflet. Please address Entertainment Editor, Kansas Farmer, Topeka, for your copy and enclose 5c for handling charge.

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**HYBRID TOMATO**  
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**HYBRID SWEET CORN**  
10-CHIEF, most delicious sweet corn you have ever eaten. Sugar-sweet, extra tender. Best of 38 varieties in our Test Gardens last year. Earl May Catalog, Page 32.

**HYBRID CUCUMBER**  
A sensational producer of smooth, crisp, small-seeded cukes. Yields heavily when others fail. Complete details on Page 31, Earl May's Catalog.

**HYBRID WATERMELON**  
Nothing like it for dependable yields of big melons. Sweetest, most delicious ever. Pictured in color. See Page 24 of Earl May's Catalog.

**ORDER TODAY. OR, WRITE FOR FREE CATALOG.**

## No Crisis in Health Aid

But Medical Services Need "Rounding Out"

**M**EDICAL services in rural America are not completely inadequate, there is no crisis." These are the words of representatives of the medical profession and farm organizations who met in a 2-day session early in February in Kansas City, Mo.

They did admit to an unequal distribution in some sections of our country, a shortage of nurses and in some places a shortage of hospitals. Dr. Franklin Murphy, dean of the University of Kansas School of Medicine, said, "Rounding out medical services is the biggest challenge before the medical people in America. It is the responsibility of the medical profession and the farm people at the local level. Many look with disfavor on the growing interference of the Federal Government in medical affairs." Then he added, "The Federal Government takes over because of lack of action on the part of the state, county and local government. People in the town and county are responsible for letting constructive programs go by default."

This was the fifth year the American Medical Association has called rural committee members together for a national meeting. Feeling that persistent inroads have been made by Federal Government planners, these meetings are held once each year to encourage action on the part of local government and local organizations to solve their medical problems.

### Many Empty Hospital Beds

Members of the state Farm Bureaus and other farm organizations were in attendance, as well as medical practitioners from rural America, a sprinkling of public health officials and experts in insurance. In group discussions, some startling facts were disclosed. Despite the cry by some elements that our medical situation is deplorable, it was pointed out that on an average only one half of our hospital beds are in use, this partly due to lack of sound planning. In some cases, hospitals have been built in communities where it later was found a hospital was not needed. A medical center would have given better service.

People must be better informed on cost of maintenance of a hospital, and this requires help of people trained in this field, working with willing local health councils to make careful determination of needs.

It was agreed Extension service workers must be better informed about already available health services in their state and county. It was recommended that states employ a health education staff to assist Extension workers and rural leaders in planning and developing health programs.

Because young doctors hesitate to go from medical school to a small town, a special discussion group was held to analyze the problem. It was recommended that medical schools make every effort to put some form of training in rural practice into the curriculum, that special internships be created for general practitioners, that postgraduate courses be encouraged by general practitioners. It was emphasized that rural communities which think they need a doctor should prove their sincerity and anxiety by taking steps to get one.

It was agreed without argument that tax funds should be used to provide medical care only in cases where it is impossible for the individual to obtain care without help.

### Compulsory Insurance Expensive

The angle of "how to pay" brought up the most discussed subject of all, the matter of prepayment plans. Dr. J. F. Sanders, vice-president of the American Academy of General Practice, Shreveport, La., said "The Blue Cross and the Blue Shield are the biggest threats to socialized medicine. Compulsory health insurance is expensive and bureaucratic. Voluntary prepayment medical and surgical insurance has been proved sound, it takes care of exorbitant costs among some individuals and shifts the load to the whole community. The voluntary method does not disturb the patient-doctor relationship, is less expensive and avoids meddling interference from the Federal Government. It is the method of choice."

The group agreed greater effort is needed to enroll still more of our rural people in voluntary prepayment plans. A minority felt that progress has been so slow some new plans should be devised to speed the program. One such plan, questioned by many, was an insurance policy with a variable premium, based on ability to pay. Some insurance experts present doubted there was actuarial basis for operating such an insurance plan.

Doctor Murphy, of the Kansas Medical School, was praised by the entire body for advances he has made in training young doctors for small-town and rural practice. At present there are several trainees working with practicing physicians in small Kansas towns. A number of communities have built offices and clinics to encourage enterprising young medical men to start practice among them. In answer to the expression of the group, Doctor Murphy said there are shortages of medical care in some sections of our big country, some severe, some mild, but that health of rural people is very good, the very best in the world.

## GRANDMA . . . By Charles Kuhn



DEPARTMENT OF AGRICULTURE AND APPLIED SCIENCES  
 MAR 21 1950  
 KANSAS

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Our American farming system based on livestock benefits everyone, in these many important ways:

**Consuming Public**—Our animal agriculture yields an ample supply of meat, milk, and eggs—delicious, nutritious foods that help give Americans the best diet the world has ever known. Animal by-products are manufactured into leather, soap, glue, animal feeds, fertilizers, important medicines like insulin and liver extract, and hundreds of other products for use on your farm, in industry, and in your home.

**Farmers**—Animals harvest a crop from millions of acres of semi-arid ranges, rocky and rough land, creek bottoms and marshes suited only to grass. Livestock cause a better distribution of labor throughout the year. Also, herds and flocks give you a "cushion" against crop failure.

**Nation as a whole**—Grass and livestock promote conservation of our most precious natural resource—our topsoil. The American system of animal agriculture builds wealth in your community in herds and flocks, buildings and equipment—wealth that helps make possible better schools and roads—wealth that means better living for you and your neighbors.

Thus, our healthy, prosperous livestock agriculture benefits everyone—consumers and farmers alike. To maintain this key role in the nation's economy, farmers must strive for low-cost production, in order to have large supplies of meat and livestock products available at prices people are willing and able to pay.

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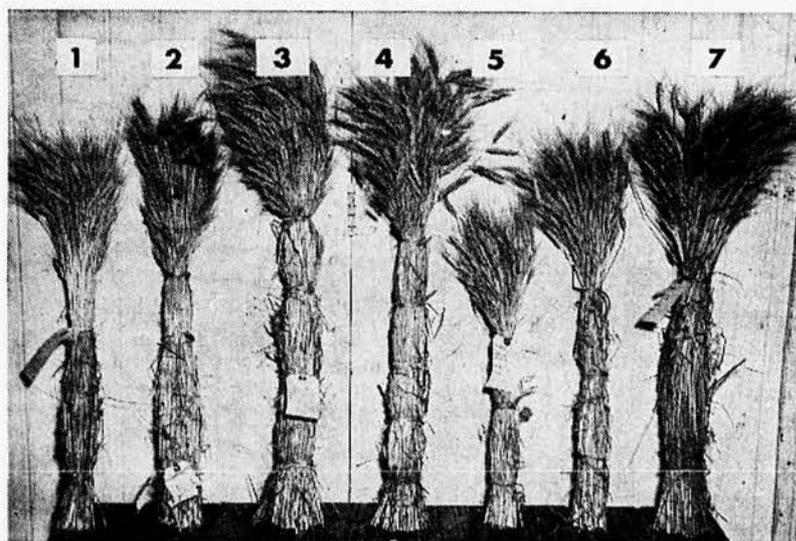
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**FLEX-O-SEAL**

## Extra Bushels Cheap With Proper Fertilizer



**EXTRA BUSHELS OF WHEAT:** Three wheat bundles at left were taken from test plots on Wilbur Larson farm, Cloud county. No. 1, check, made 12.9 bushels. No. 2 had 65 pounds of superphosphate and made 15 bushels. No. 3 had same phosphate and 150 pounds of ammonium nitrate. It made 21.1 bushels. Bundles 5, 6 and 7 came from the Carroll Comfort farm test plot and were fertilized the same as bundles 1, 2 and 3. Yields were, No. 5, 9.3 bushels; No. 6, 16.2 bushels; No. 7, 21.9 bushels. Bundle No. 4 was taken where sweet clover had been grown the previous year. No fertilizer was added but an outstanding difference can be seen. No yield check was made on this sample.

**PROPER** applications of fertilizers increased small-grain yields in Cloud county last year as much as 216 per cent. Those figures were taken from test-plot yields reported by Wilton B. Thomas, county agent. That increase was made even tho 1949 was a disappointing year in many sections of the state.

Largest increase was obtained in a field of Clinton oats. The check strip accounted for only 10.3 bushels an acre. Application of 75 pounds of ammonium nitrate boosted the yield to 28.6 bushels an acre. By doubling the nitrate application to 150 pounds, the yield jumped to 32.6 bushels. That was a total increase of 22.3 bushels, or 216 per cent.

Look at it another way. By adding 75 pounds of nitrate an acre, the extra bushels were produced at a cost of 18.4 cents a bushel. When 150 pounds of nitrate were applied, the extra bushels cost 30.2 cents a bushel. Even that is pretty cheap oats.

Apparently there was some improvement in oats quality, too. By the addition of fertilizer, test weight increased from a low of 33.1 pounds a bushel in the check strip to 34 pounds a bushel where 75 pounds of fertilizer were added. With 150 pounds of fertilizer the test weight was 34.1 pounds a bushel.

### Had Late Start

Mr. Thomas points out the oats by necessity were planted late in Cloud county. Drilled March 25. With the late start the additional vigor provided by the ammonium nitrate hurried the crop along and enabled it to mature in reasonably good condition. The unfertilized part of the field was very short and thin. The fertilized plots were thicker, taller and much better in color.

Similar results were obtained with wheat. On the Wilbur Larson farm a check plot of wheat made 12.9 bushels an acre. An addition of 65 pounds of 45

### Class or Club Party

Whether you are planning for a class, a club or a community entertainment, the following leaflets will offer suggestions or be found useful.

- "You Can Make It" Party (6 suggestions). Price 3c.
- Games for Young and Old (21 games). Price 3c.
- The Spirit of Our Forefathers (play—speaking and pantomime). Price 5c.
- A Ticket for Amy (play, requiring 3 characters). Price 5c.
- The Rehearsal (play for school-age children—grade or high). Price 5c.

The play leaflets require little stage setting. Please address your order to Entertainment Editor, Kansas Farmer, Topeka.

lizers accounted for an increase of 63.6 per cent in yield.

An even greater increase was obtained on the Carroll Comfort farm. Here the check plot made only 9.3 bushels an acre. The same application of phosphate alone boosted the yield 6.9 bushels an acre for a total yield of 16.2 bushels. This increase was obtained at a cost of 36.2 cents a bushel. Where phosphate and 150 pounds of ammonium nitrate were added, the yield was increased 12.6 bushels an acre. It made a yield of 21.9, a 73.8 per cent increase.

Cost of the combination fertilizer increase was 73.4 cents a bushel.

In the case of the wheat Mr. Thomas says both fields were selected for fertilizer tests as being average or below average in fertility. Neither field had been manured or had grown sweet clover. Soil tests on the Larson field showed it was medium or below in available phosphate. The Comfort field showed low in available phosphate. Both fields are considered typical of much land in that area.

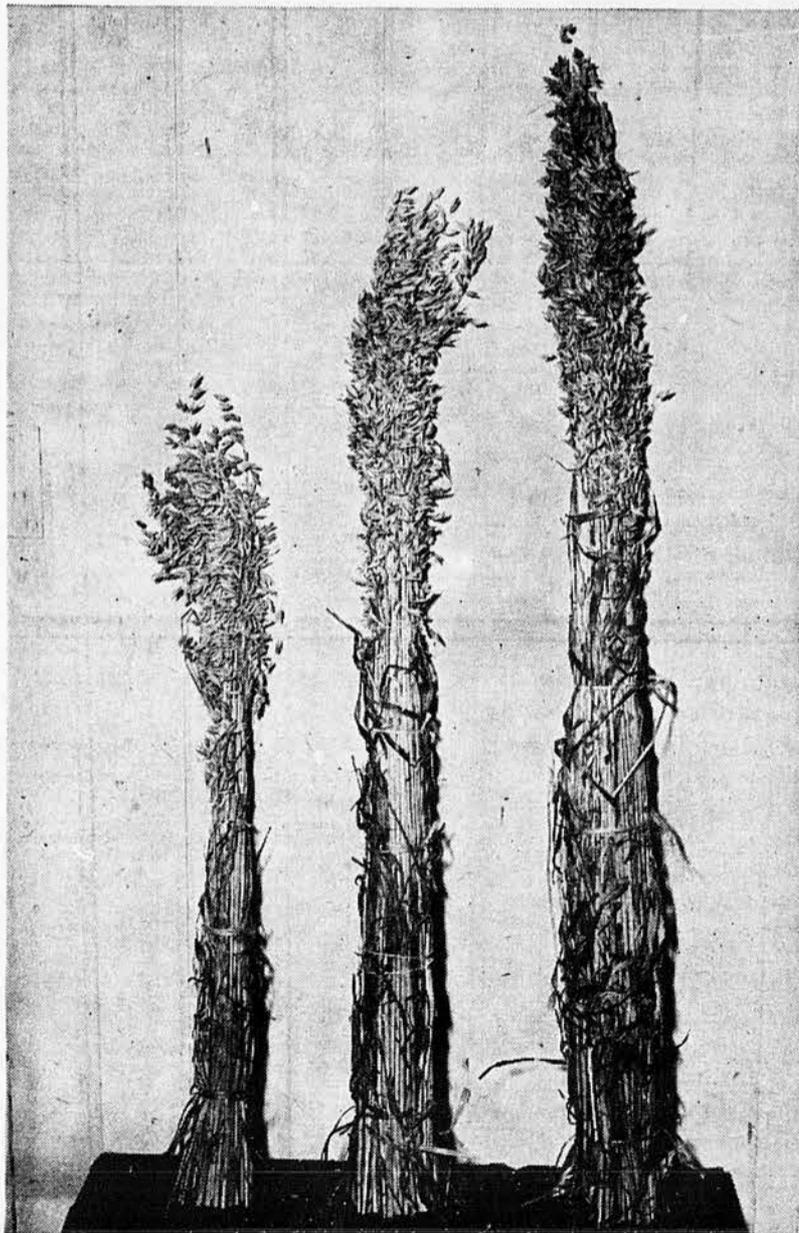
Altho different reactions were noticed in other locations in the state, Mr. Thomas observed that there seemed to be less winter killing in the wheat where it had been fertilized.

### Where Money Goes

Here are some figures that should give every Kansan food for thought:

Out of the 1915 Presidential budget of 42.4 billion dollars, 31.9 per cent is going for national defense; 14.3 per cent for veterans' program; 13.3 per cent for interest on debt; 11.1 per cent for international work; 6.4 per cent for social welfare and health; 5.2 per cent for natural resources; 5.2 per cent for agriculture; 4 per cent for transportation and communication; 3.1 per cent for housing and community development; 3 per cent for general government; 1 per cent for education; 0.6 per cent for labor, and 0.5 per cent for finance and commerce.

These figures are released by the U. S. Department of Agriculture.



**STAIRSTEPS IN OATS:** That was the result from fertilizer used with oats in Cloud county last year. Bundle at left represents 10.3-bushel yield with no fertilizer. Center bundle was taken from plot with 75 pounds of ammonium nitrate an acre added. It made 28.6 bushels. A yield of 32.6 bushels an acre was recorded in the plot represented by the tall bundle. Added to this plot were 150 pounds of ammonium nitrate an acre.

# Put Garden on Paper

By WILLIAM G. AMSTEIN, Kansas State College

IT IS ABOUT time to put our New Year's resolution, to grow a better garden in 1950, into the paper stage. Before long the first crops can be planted, and that means it is time to decide about planting this year's garden.

Regardless of price or outlook for wheat, beef cattle, hogs, butterfat or eggs, a good farm garden has a place on most farms. Home-produced foods that can be used on the table in season and stored for out-of-season use are the basis of many fine meals. Garden-fresh products are well worth having.

Our 1950 garden goals should include planting 2 or 3 new crops, as well as a few of the 1950 varieties of our standard crops. Long-row gardens will prove helpful where at present cramped quarters and short rows do not permit tractor tending. In fact, some areas hardly permit plowing without considerable trouble.

Our plans should include crop sequence and location so as the several different plantings mature one or 2 rows of later crops won't be in the way to grow weeds. This planning will help keep the ground cleaned up for later plantings.

### Garden Needs a Windbreak

Plans should be made to provide some practical air-conditioning or windbreak devices. Row crops, snow fence and similar items help. Buildings, including sheds, can often provide protection from the south or west. Rows of corn, sweet corn, or sorghum on the outside of the tomatoes, beans and other crops most subject to damage from hot winds will pay good dividends.

The list of adapted and useful vegetable crops is longer than most of us have found time to use. Our previous experience including the likes and dislikes of the family need to be considered. Too often in reading the catalogs and other literature with descriptions, we may become oversold or confused on some items or varieties listed.

Use of disease-resistant varieties, provided they have proved adapted, is a point to consider. Likewise drought, heat and insect resistance need to be included in our variety selections. No one variety list will suit everyone or every section of Kansas. The following crop and variety suggestions are based on several years of accumulated experimental work and reports from many co-operators over the state.

### Recommended Varieties

Best standard varieties for Kansas: **Asparagus**—Mary Washington. **Beans**: snap—Stringless Green Pod, Bountiful; wax—Pencil Pod Black Wax, Golden Wax; pole—Kentucky Wonder; lima—Henderson Bush Lima, Fordhook. **Beets**—Early Wonder, Crosby's Egyptian. **Cabbage**—Yellows, Resistant Golden Acre, Wisconsin Copenhagen, Marion Market. **Chinese Cabbage**—Chihli, Michihli. **Carrots**—Chantenay, Danvers Half Long. **Corn**—Golden Cross Bantam, Ioana, Marcross. **Lettuce**—Grand Rapids, Black-Seeded Simpson (leaf); Great Lakes (head). **Okra**—Clemson. **Onions** (use plants or sets and seed)—Yellow Globe Danvers, Riverside Sweet Spanish, Bermuda. **Parsnips**—Hollow Crown. **Peas**—Little Marvel, Alaska. **Irish potatoes** (use certified seed)—Irish Cobbler, Red Warba. **Sweet Potatoes**—Nancy Gold, Orange Little Stem, Red Bermuda (in west). **Rhubarb**—McDonald. **Spinach**—Bloomsdale Long Standing, Victoria. **Summer Spinach**—New Zealand. **Squash**, Summer—Table Queen, Crook Neck. **Squash**, Winter—Delicious, Hubbard. **Swiss Chard**—Lucullus. **Tomatoes** (eastern counties) (wilt resistant)—Rutgers, Pritchard, Marglobe; (non-wilt resistant)—Stokesdale, Valiant, Bonny Best; (central and western counties) Sioux, Firesteel, Porter. **Turnips**—Purple Top Globe. **Watermelon**—Kansas.

**Planting Dates**: Radishes, spinach, peas, lettuce, turnips—as soon as ground can be worked after February

20. Onion sets, beets, carrots, potatoes, parsnips, cabbage plants—oats—planting time. Tomato plants, pepper plants, beans (snap), okra—corn—planting time, or frost-free date. Squash, sweet potatoes, beans—after soil is warm, week to 10 days after frost-free date.

Some new varieties of standard crops and other useful crops deserving wider planting include the following:

- Green snap beans**—Topcrop, Tendergreen.
- Yellow snap beans**—Puregold, Unrivalled.
- Broccoli**—De Cicco, Italian Green Sprouting.
- Cauliflower**—Early Snowball.
- Hybrid sweet corn**—(60-65 days) North Star, Seneca Dawn, Gold Rush; (70-80 days) Seneca Chief, Lincoln, Aristogold Flagship, Golden Security.
- Cucumbers**—Burpee hybrid.
- Kohlrabi**—Early White Vienna.
- Head Lettuce**—Bibb, Progress, Pennlake.
- Leaf Lettuce**—Slobolt.
- Peas**—Freezonian, Wando.
- Summer Squash**—Caserta, Uconn.
- Tomatoes**—Hybrids available from Burpee, Stokes, Henry Field, Farmers

Seed and Nursery and others. Try one or 2 from some of these firms that meet your season of maturity needs. Sunray, Yellow.

**Watermelon**—Congo.

### Seed Champions

Premier seed grower awards for 1949 were made during Agricultural Week, Manhattan, to Lawrence A. Woolley, Osborne; Earl L. Collins, Florence; Lawrence L. Utz, Highland, and M. W. Converse, Eskridge.

### Lose a Master Farmer

Another Master Farmer is gone. Herman W. Avery, selected by Kansas Farmer in 1928, died in Wakefield, January 26. A lifelong resident of the farm, he began farming for himself in 1898. Mr. Avery specialized in livestock and horses. He was an agricultural leader in his community and county, was the first president of his county Farm Bureau and once held office in the State Board of Agriculture. Mr. Avery was a former state senator and a former secretary of the Kansas State Fair.

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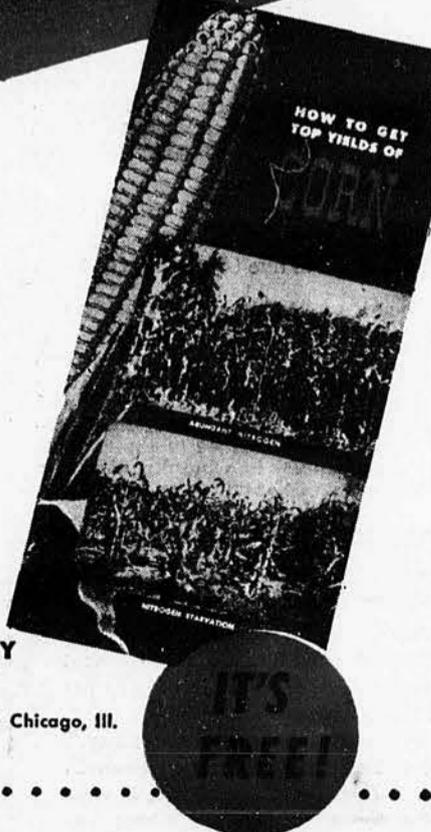
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# Now That You Have Electricity

By CHARLES HOWES

FROM here on, Kansas spring weather will prove its reputation for being utterly undependable. In other words, "If you don't like the weather, wait a minute," is an axiom for this period.

This fact brings to mind several things on the farm that demand more-even temperatures than the weather provides. Poultry, for instance, need controlled warmth during brooding season: controlled de-icing of stock tanks shows its value during this period; controlled soil heating in hotbeds speeds growth of early plants; refrigerators and freezers keep foods at an even temperature no matter what happens outside. Now that you have electricity it's possible to turn over the tasks of keeping control of temperatures to a thermostat and remove the human and weather elements of error.

A report has been received of a poultryman in Ohio who recently installed an electric heating system in the floor of his poultry house, and in addition suspended nine 300-watt infrared lamps from the ceiling. His first brood was 2,000 turkeys and the results were much to his satisfaction.

This writer has experienced the common problem of opening and closing refrigerator doors with 2 hands full of food. The news of Gibson's solution to that problem thus is especially welcome. Their 1950 models have an automatic door opener and closer that operates with a touch of the toe.

Of the primary matters in use of electricity in the home, lighting is one item engineers of electric industries give much attention. The problems of color, of light intensities, proper shading and placing of lights are among the factors that enter into an efficient job of lighting a room. A visit to the Kansas City Power and Light Company's lighting institute shows identical pieces of flowered drapery material changing color completely under different types of ordinary electric light. Thus drape material may have an entirely different effect in the store and the home. Fluorescent lighting may change the color scheme of a room formerly equipped with incandescent lights, and even different brands of fluorescent lights may change color tones noticeably. It's something to consider when making redecorating plans.

For summer, a new idea in home cooling was introduced recently. It is a combination fan and metal awning for homes up to 5 rooms. The unit is mounted over the top half of a casement window which is lowered when the fan is to operate. The 24-inch fan is powered by a 1/4-horse motor and is said to draw 5,000 cubic feet of air a minute. The awning serves both to shade the window and act as a mounting for the fan and the manufacturer, Mercury Electric Corp., attests that it is an attractive way of applying the home-cooling fan principle.

This department spoke of remote-control circuits for turning lights or machinery on and off from 3 or 4 or more points. The arrangement does away with the 3- and 4-point switches and complex wiring arrangements necessary to control, let's say, the barn-lot lights from (1) the house, (2) the barn, (3) any or all gates, (4) the light pole itself. A new refinement of this system has been introduced which enables all outlets desired to be controlled from a single point. By means of a selector switch located in the house, the lights in the yard, in the barns, in the milkhouse, the basement, or elsewhere can be turned on or off. It is possible to set motors in action, start heaters, blowers or any of a dozen things by merely stepping to a switch. Only a single small wire is required to connect a relay at the outlet to the switch since this circuit operates on only 25 volts.

A method of controlling the corn borer electrically is being proposed by an Iowa commercial sprayer. Henry

Gruemmer, of Wilton Junction, has developed an electric borer trap which, he says, has proved effective in supplementing other methods. The Gruemmer proposition includes a cage of live wires surrounding four 300-watt bulbs with special reflectors. In a flat field, he claims the trap will attract borers in the moth stage from a radius of 1,000 feet, or more than 50 acres. Attracted by the lights or heat, the moths die by electrocution.

When ladies of the Methodist Church of Centralia set about looking for a range for their Fellowship Hall, their efforts were discouraged since their needs would require several ranges rather than one. However, when they took their problem to Jack Johnstone, owner of the local electric shop, he of-



Mrs. Edna Daniel, General Electric Supply Corp., Kansas City, is shown testing the new "custom" range constructed for the Methodist Church in Centralia by Jack Johnstone, local electric dealer.

ferred a solution for what they wanted: a single range, 8 electric units, 2 big ovens, electric timing, convenience outlet, and built-in back lighting. Using General Electric heating equipment, the 8-foot range was constructed in the Johnstone shop and has been tested by G. E. home economist, Edna Daniel, Kansas City, as well as by the Methodist women. All pronounce it successful.

A farm water system that does not require a storage tank has been conceived and manufactured by Hypro Engineering Company. The pump is said to deliver up to 5 gallons of water per minute with pressure ranging between 20 to 40 pounds. The unit, consisting of a 1/4-horsepower motor, rotary roller pump, aluminum base and pressure-control dome, fits under standard sinks or in other small areas. It pumps directly from a well, cistern, spring or lake and can draw from a level 22 feet below the surface.

This matter of heat in the milkhouse deserves more than just passing attention. One naturally tends to rush thru chores in a cold building and milk handling isn't a matter to be hurried. Proper cleansing of utensils, proper cooling and other jobs attendant to clean delivery mean much to profits and cannot be slighted. Some agri-

cultural engineers have recommended electricity as the best way to heat the milkhouse since there are no fumes to annoy the milk inspector. Industrial fan-type heaters are available to produce thermostatically controlled heat. Small hot-water radiators with circulating fans are another suggestion. The hot water might come from your extra-large dairy water heater operating on off-peak rates. We already have referred to use of heat from the milk cooler to supplement any of these.

By the way, we note that electric pig-brooding equipment receives considerable attention in the electric companies' advertising in Kansas Farmer this month. Certainly, this is a vivid example of why electricity is so much more important on a farm than it is in town. Farmers have 4 practical uses of electricity to one in town and electric pig brooding is one of them.

## How to Avoid Silage Troubles

**M**OST troubles found in making good grass silage occur when following the "wilt method." This was disclosed recently by farmers attending a grass-silage clinic held at Salina by the Salina Concrete Products Company.

One farmer at the clinic, tho, made this remark. "If you would just go home and make some grass silage, your chances of getting good silage would be very good. There is too much being written to confuse the farmer. The more he reads the more he is afraid to try it."

What are some of the problems and what answers do farmers with experience have for them? Here are a few problems and answers as they came up at the clinic:

*Why is wilting a risky method of putting up grass silage?*

Ross Polanski, of Wabaunsee county, says there are too many "ifs" to the wilting method. Always too wet, too dry, too green or too mature. Then, too, the moisture content changes thruout the day, making it difficult to determine just how long to wilt. He uses molasses at the blower to take out those "ifs."

A. C. Norris, of Alton, says maturity of the plant is very important at cutting time. If the plant is fairly mature he runs it direct to the silo from the cutter bar. If the plant is green, he allows some wilting, the length depending on weather and other local conditions.

*Is there any difference in moisture condition of grass silage being put in trench silo compared to grass silage being put in upright?*

Yes, farmers agreed. Silage being put into a trench should have a higher moisture content because good compaction is necessary, and there is not as much compaction in a trench as in an upright.

*What causes grass silage to have a tobacco smell?*

This smell is due to wilting too long.

*Does it pay to have a roof on an upright silo?*

Farmers who have their silos covered say yes. The B. F. Goodrich Rubber Co. this year is announcing a silo cap made of rubber or rubber-like plastic that takes the place of a silo roof. The cap actually is a blanket that fits over the top of the silage and is held in



"I wish I had a little parsley to dress it up."

place by a large inner tube filled with water and laid around the edge.

*What has happened when there is a black layer of silage in a trench silo?*

Farmers at the clinic believe it is caused by excess water in that layer, caused either by a rain on the trench during the filling process, or by a change in the moisture content of the silage, such as an early-morning cutting with little or no wilt.

*Do alfalfa, sweet clover and other legumes and grasses lose some feeding value if allowed to wilt in the field?*

Yes, the carotene content is largely lost thru wilting.

*Can coarse salt be used as a preservative for grass silage?*

Yes. Spread 500 to 600 pounds of coarse salt over the bottom of the silo before filling. Capillary action will pull the salt up thru the silage to serve as a preservative.

*Is there any way to cut down spoilage in an upright?*

Yes. Keep sides of silo smooth and well-painted and use flush doors.

## Stock Meet to Topeka

Topeka has been chosen for the annual convention of the Kansas Livestock Association March 14, 15 and 16. Highlights of the convention will include a directors annual meeting and the annual executive committee meeting on the first day, with general convention sessions for the other 2 days.

Two breakfasts are scheduled plus dinners for the swine growers, dairymen, sheepmen, quarter horse association, 4-H livestock committee and, of course, the annual banquet. A dance will be part of the social program.

H. E. Floyd, secretary of the association, is in charge of the program and Ralph Perkins, president, will preside at the sessions.

## Coming Events

February 20—Osage county, balanced farming, farm and home management school, Lyndon.

February 21—Scott county, weeds and 2,4-D county-wide meeting. Maynard Scott and John Hutchison, noxious weeds division, State Board of Agriculture.

February 23—Scott county annual soil conservation service meeting, A. D. Weber, speaker.

February 27—Osage county, Amstein school on gardens, Lyndon.

February 28—Phillips county, leader training class, Vivian Briggs, Phillipsburg.

March 2—Osborne county noxious weed program, discussion 2 p.m., courtroom, state weed department.

March 3—Osborne county marketing and management school, conducted by Ray Hoss and Harold Love, Osborne.

March 7—Osborne county crops school, conducted by L. E. Willoughby, Osborne.

March 15—Phillips county, clothing leader training lesson, Phillipsburg.

March 15—Chautauqua county, electrical equipment meeting, with Harold Stover, Sedan.

March 29-30—District Farm and Home conference, Beloit.

## Vaseline Useful

Vaseline will prevent drawers from sticking in damp weather. Rub it generously into the wood at contact points. Its effects are lasting.—C. C.

## Keep Kansas Wheat at Top

Sure, Kansas wheat is good—but maybe we can make it even better. That's the thinking behind organization in Topeka February 8 of a Kansas Wheat Quality Council. Some 25 agricultural groups and agencies are joining forces to keep Kansas at the top as a producer of quality wheat.

"Our job is to keep this wheat sweet from the combine to the consumer," says Herman Praeger, Claflin farmer, who is chairman of the new council. Roy Freeland, Topeka, secretary of the State Board of Agriculture, is vice-chairman, and Cliff Skiver, Manhattan, director of the Kansas Wheat Improvement Association, is secretary-treasurer.

In order to "keep the wheat sweet," the council will attack such problems as wheat production, storage, insect damage, transportation, research, marketing, increased consumption, and education.

### Marketing Viewpoint

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

Since good-quality steers are hard to locate, would handling dry cows be a good way to dispose of some excess roughage?—W. P.

Handling dry cows is sort of a specialty with some farmers and might be all right this year, especially if you have large quantities of roughage to utilize. Thin cows should gain about 300 pounds between now and next summer. Normally prices for lower grades of slaughter cattle, including cows, will advance seasonally from winter until about May. Supplies of these lower grades and cows are usually rather short during this late spring period. With large supplies of pork and the better grades of beef expected during the late spring and early summer, prices for slaughter cows may not advance as much as usual but should be in a relatively stronger position than prices for fed cattle. Cow prices usually decline thru summer and reach a seasonal low in late fall. Therefore, if you wish to utilize grass with cows it probably would be desirable to market not later than July or August.

What are prospects for milo prices this spring?—S. W.

Milo prices are expected to advance from present levels during spring months. During past years milo prices have declined about as many times as they have advanced during February and March. However, during April, May and June there is a fairly strong seasonal tendency for milo prices to advance.

Milo prices are influenced to a considerable extent by price trends of other feed grains, especially corn, since they are fairly readily substituted for each other in manufactured feed. Conditions point to an advance in corn prices this spring, due largely to the support program and the seasonal trend. This is expected to lend some strength to milo prices.

What are present holdings of dairy products by USDA?—W. C.

According to a recent report, government owned more than 96 million pounds of butter, 215 million pounds of dried skim milk, and about 20 million pounds of cheese. These items were purchased since the spring of 1949.

What is the trend in milk production over the country?—R. H.

Trend in milk production is definitely upward. For instance, it is estimated total U. S. production in 1949 may exceed that of 1948 by 4 per cent. Some eastern fluid-milk sheds report present milk flow is about 20 per cent larger than a year earlier. Increased milk production undoubtedly is due to more-favorable weather, some decline in feed costs, and more-favorable prices for milk relative to other possible enterprises.

How much profit are egg driers making in the egg-support program now as compared to last year?—H. B. H.

U. S. Department of Agriculture currently is paying processors 96 cents a pound for dried eggs. This allows driers about the same margin above purchase cost of a dozen eggs as they received during 1948 and 1949. More-stringent specifications—raising the solid content of dried eggs and placing a limitation on blending of powder of various palatability scores—are estimated to increase processing costs by about 2 cents a pound.

### Conservation Score

Since 1936, reports the U. S. Department of Agriculture, farmers cooperating in the Agricultural Conservation Program have constructed terraces on 17 million acres; constructed 900 thousand dams for livestock water, erosion control and for irrigation; used 240 million acres of green manure and cover crops to restore humus and organic matter to the soil; seeded 45 million acres of range and pasture land to grass and legumes; applied 235 million tons of lime; applied 20 million tons of phosphate, and planted 750 thousand acres of trees.

## NEW PERFORMANCE THAT WILL

# Open Your Eyes



4-5-Plow Model "R" DIESEL

2-3-Plow Model "AR"



JOHN DEERE POWR-TROL

### These John Deere Standard-Tread Tractors Are a Revelation in Power, Speed, Economy, and Ease of Handling

You've no idea of the great forward strides John Deere has made in standard-tread tractor design until you see and drive one of these sparkling new performers in the field. Here is power to get you through the tough spots, to work your equipment at maximum capacity and cut days off your working calendar. Here is proved two-cylinder economy that will save you money on fuel and maintenance. Here is comfort and ease of handling such as you've never before experienced.

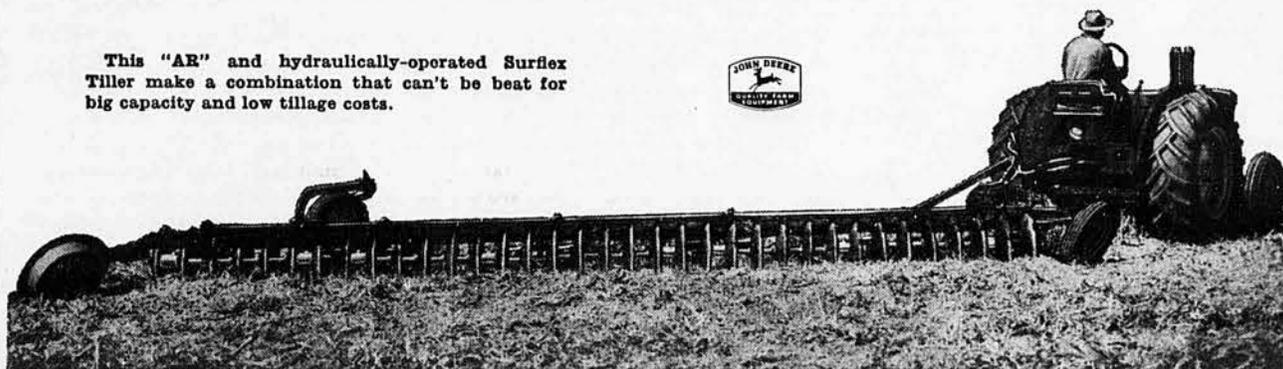
The Model "R" "hits the nail right on the head" with big-power users. Its great new Diesel engine is breaking all records for low fuel costs. The Model "R" is a modern tractor through and through—with five-speed transmission, direct engine-driven power shaft, electric starting and lighting equipment, and many other advanced features.

The Model "AR" meets the complete needs of farmers who want full two- or three-plow power. It is available with either all-fuel or more powerful gasoline engine. Like the Model "R," the new "AR" is strictly modern—way ahead of the field in design.

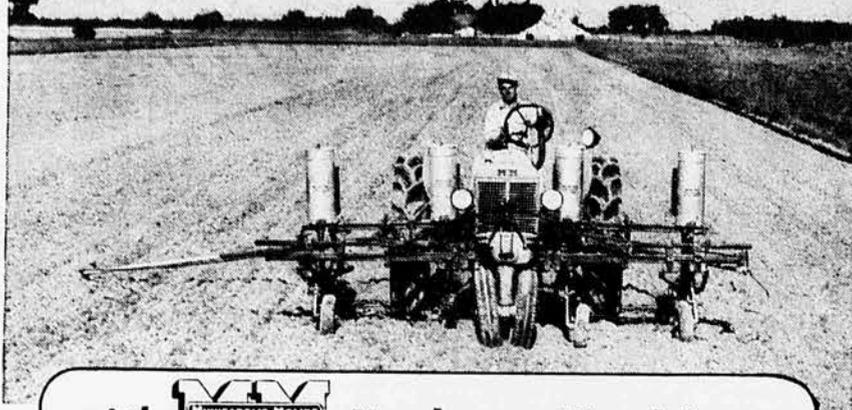
For new performance that will "open your eyes," try one of these tractors in the field. Your John Deere dealer will be glad to arrange a demonstration.

**JOHN DEERE**  
Moline, Illinois

This "AR" and hydraulically-operated Surfex Tiller make a combination that can't be beat for big capacity and low tillage costs.



## Progressive Farmers Build FUTURES ...THEIRS and YOURS



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As a farmer prospers, so does his brother in the city. A farmer prospers only if his crop yields are large . . . if the crop can be tended and harvested economically. That's why farmers everywhere look to MM to provide the Modern Machines, Visionlined Tractors and Power Units that will sow, cultivate and harvest their crops economically and dependably. MM Modern Machines make it possible for them to produce and harvest large crops and at the same time conserve the soil's fertility for posterity.



MM Cultivators Keep Fields Clean for Maximum Production

**COUNSEL and CREDIT HELPS EVERYONE**  
Just as MM helps agriculture to become a stable modern industry, so do bankers help by recommending the use of modern machinery as a long range investment for their farm clients. Bankers know that MM Modern Machines and Visionlined Tractors are sound investments for the farmer, for agriculture and the nation.



**MINNEAPOLIS-MOLINE**  
MINNEAPOLIS 1, MINNESOTA



MM Visionlined Design Gives Operator Better Vision for Careful Crop Tending

An ad Minneapolis-Moline recently ran in Banking Publications.

## Be sure your new SPRAYER is BUILT TO LAST

### YELLOW DEVIL Sprayer IS built to last

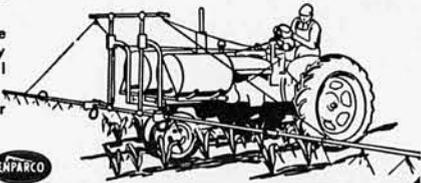
A sprayer is no "bargain" if it can't stand strains and jolts of farm spraying. Or if it corrodes and clogs and wastes your time.

Yellow Devil Sprayers are engineered to take the rough going. They're built to last, with quality materials throughout. Yet you'll find Yellow Devil priced competitively.

You might as well have the best. See your dealer or write for free booklet of new models.

THE ENGINE PARTS MANUFACTURING CO.  
Dept. 242, 1360 W. 9th St., Cleveland 13, Ohio

### MODEL 21 STREAMLINED YELLOW DEVIL



**YELLOW DEVIL** NEW NAME FOR FAMOUS SPRAYER WITH FAMILIAR YELLOW BOOM

## Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of Kansas Farmer. 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!

## "IT IS THE SIMPLEST AND EASIEST TO OPERATE I HAVE EVER SEEN"

SAYS A KANSAS FARMER

"And the Least Complicated to Put on and Take Off".

This owner has put his finger on three of Jayhawk's outstanding features . . . its simplicity of design, ease of operation and quick 3-minute hitch. These advantages are real time, labor and money savers for the man who owns a Jayhawk.

In addition there is the patented Jayhawk automatic load leveler that levels the load as you raise it; the famous Jayhawk "no framework above tractor" construction that permits operation in barns, sheds, anywhere a tractor can go . . . and many other features.

"I think it is one of the best", writes an Oklahoma Jayhawk owner . . . and you will, too, when you get all the facts. Write for FREE CIRCULAR, low prices, today.

THE WYATT MFG. CO., INC.  
DEPT. L-429 SALINA, KANSAS

Fits More Than 40 Row Crop . . . More Than 20 Wide Tread Tractors. Others Being Added.



Tested to 2850 Pounds

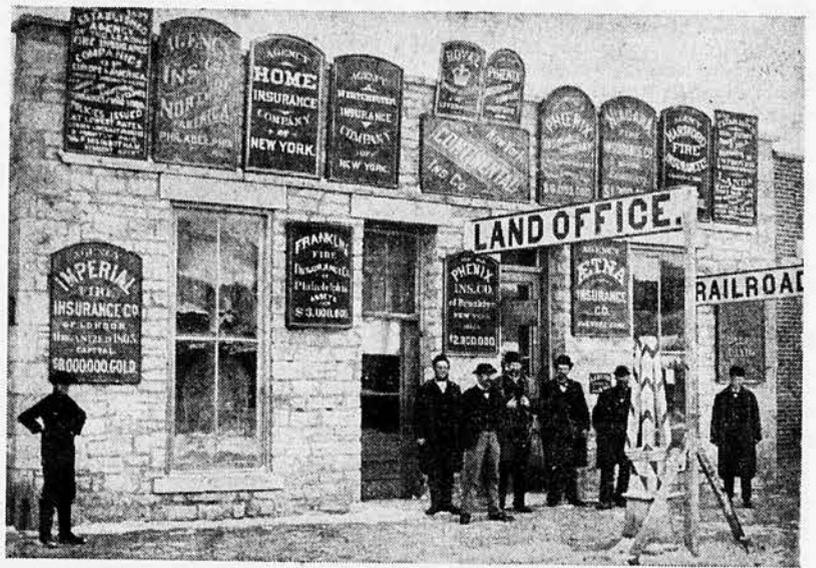
Sweeprake, Bulldozer, Hay Crane, Snow Scoop Attachments.

**NEW Jayhawk HYDRAULIC LOADER**

Here is the second in the series of "Wells" articles Kansas Farmer promised to bring you. It is written from a collection of letters deposited with the Kansas State Historical Society.

## This Was Life In Early Kansas

By LELA BARNES



Early business scene in Manhattan. Picture thru courtesy of the Kansas State Historical Society.

**T**HOMAS WELLS and his brother, Theodore, left St. Louis on April 1, 1856. In contrast with his first difficult trip up the Missouri, Thomas now obtained excellent accommodations on the steamer James H. Lucas, which he described in a letter to his mother as a very fine boat, the fastest on the river. This time there were Southerners on board, but Thomas did not regard them as a serious threat to the ultimate decision against slavery in Kansas. "Nine out of ten will ere long turn free-state men," he wrote. "They will find it for their interest to do so, and when their interest decides against slavery they will both see and acknowledge that the whole system is entirely wrong. The free state people must eventually conquer—the South cannot compete with the North in sending emigrants, and very few of the small number who come from the South dare to bring slaves with them." The brothers landed at Leavenworth and traveled the 110 miles northwest over the Fort Leavenworth-Fort Riley military road. Thomas had purchased a wagon and harness at St. Louis and 2 horses at Weston, the outfit costing him about \$400. "You see," he wrote, "it costs something to start even in this country." Two trips over the military road were required to move his supplies and equipment which included plow, harrow, cultivator, corn planter and stove, all purchased in St. Louis.

### Made a Move

Thomas already was planning to dispose of his claim near Juniata and take up land about 1½ miles northwest of Manhattan. The first claim was an excellent one he admitted, but many who had settled in the vicinity were "pretty strongly tinged with proslavery notions" and Thomas sought a more congenial neighborhood. And the new land had the advantage of being near schools, stores and post office. Manhattan, he felt, would grow to be the largest town in the vicinity. There were then 25 homes, 2 stores and one sawmill with gristmill attached. "Quite a large number of houses are going up very soon," he reported. "Some of them will be built of stone, and another sawmill is going up within 2 miles of the city. We expect a Congregational church will be built in Manhattan soon.

There were 11 acres of broken land on the new claim. Thomas decided to plant them in corn. His further plans, as reported to his parents, were somewhat ambitious. "I want to get 25 or 30 acres more broken this summer and sow a part of it in wheat in the fall. I want to put a good fence around the whole which will cost me from \$250 to \$300; and I must put up a little house which will cost as much more. The house will be small—good size for

this country—only 16 by 24 and a story and a half high, but it costs a sight to build here where poor lumber is worth \$40 a thousand and a carpenter's wages are \$2.50 per day. I must also build a small stable in the fall, large enough to shelter two horses and one or two cows." Thomas had taken the precaution of employing a private surveyor to run the lines on his claim. This was to avoid possibility of making improvements outside his property.

The house was shortly under construction. Pending its completion, Thomas and Theodore boarded with neighbors and paid \$3 each per week. This seemed a bit excessive—they could have boarded themselves for half the amount, Thomas figured—but it was a favorable arrangement.

### Took Up Arms

By this time the situation in the eastern part of the Territory had become extremely tense. Border ruffians, encamped in the vicinity of Lawrence, were searching and robbing private homes, stealing cattle, holding citizens and even committing murder. Destruction of Lawrence was threatened and in response to calls for aid, Thomas and about 40 of his neighbors gathered up available arms and set out for the scene of conflict. By the time the men reached Topeka, they decided that serious trouble was not imminent and that they would return to their claims where they were so badly needed. On May 21, however, the invaders entered Lawrence, destroyed the Free-State Hotel, two printing offices, pillaged stores and burned the home of Charles Robinson.

In late summer he sent a detailed financial statement to his father. He listed the cost of his second trip to the Territory (\$100) and the amounts expended for his wagon, horses, implements and supplies, (\$715). To these items he now added:

It will cost me to finish my house at least . . . . .	\$ 500
For my claim, due next month . . . . .	150
Must have a well dug and stoned up . . . . .	60

(Continued on Page 27)

### How Are Your Plants?

Women will be glad to know the Kansas State College circular, "House Plants and Their Care," again is available. This bulletin will answer questions as to care of various plants and how to combat diseases. For a free copy of the circular, please address Bulletin Service, Kansas Farmer, Topeka.

Must build a barn this fall . . . . . 250  
 Must pay for rails, staples, to  
 fence fields . . . . . 100  
 Must buy provisions, some fur-  
 niture, etc. . . . . 1,875

These, he explained, were the principal items of expense to be met. "I have not estimated largely . . . everything costs more here than in the East except what we can raise ourselves, and be as prudent and careful as you will, it must cost a good deal to make a fair start and live. In the East the young man just beginning life for himself finds very many things already done for him by those who have gone before him; but here the land alone is given to us. We have everything to do to make a home." And Thomas was becoming very serious indeed in his plan to establish a home. He wrote: "I do not think I shall keep batch a great while in my new house. I think it will be much pleasanter having a home—and so does somebody else. The more I know her the better I like her."

**"Remain a Bachelor!"**

This development was received by Thomas's parents as "surprising news." "Did you think," asked Thomas, "that I was going to remain a bachelor all my days, and live and improve my claim alone, among these western wilds? If you did you are much mistaken. Why I never thought of such a thing."

"To be sure I tried that way of living last summer, but 'twas only an experiment and an experiment tried of necessity and the result proved, to my mind at least, that 'it is not good for man to be alone.'

"Were I in different circumstances I might, perhaps, have chosen a wife among my acquaintance in the East, but one who would have made a very pleasant companion for a man in an eastern village, in the midst of schools and churches and the comforts and conveniences of civilization, might be poorly suited to endure the hardships and privations incident to a border life and ill-contented withal.

"And now I suppose you would like to have me write you a full description of my lady. I will try and do the best I can, and first I will endeavor to answer your questions.

"She is the youngest of quite a large family of children, all of whom continue to live near their native place not far from the center of old Massachusetts. Her father is still living but she lost her mother when only 11 years of age. . . . She is nearly as tall as myself and well proportioned, neither very light nor very dark, and according to my notion very good looking. Her name is Eleanor S. Bemis. Your questions are answered. She is a woman of good sense and good temper and I

doubt not a Christian. She is a member of the Methodist E. church." Perhaps Thomas's parents found it difficult to accept the idea that he had chosen wisely. Perhaps they were unable to imagine that a suitable bride was to be found in the western country. At any rate Thomas sent assurances in subsequent letters that Ella possessed an affectionate heart and good sense; that she had an independent and energetic mind; that he was certain she was just the woman to make him happy; and that she would be in every way a helpmate.

**An Eventful Week**

On November 2, Thomas wrote to his mother: "The past week has been an eventful one to me. On Thursday evening last, October 30th, Ella and I were married. Everything passed off very pleasantly; 'twas a beautiful day, not a cloud to be seen, and all the guests that were invited came, except two, and they were quite unwell; 16 besides ourselves and the family in whose house we were married, were present, and that is doing pretty well for Kansas, for you must know that they had to come from 1 to 5 miles over the prairies in the dark and several of them got lost and wandered about for half an hour or more before they could find the house.

"We would not have hurried matters quite so much had not Theodore been intending to start for home on Tuesday next and as he was the only relation either of us had out here, we wanted him to be present when we were married. . . . I assure you I have no reason to regret my choice, nor do I ever expect to have, and I hope I am, I know I ought to be, very grateful for so good a wife. . . . How little do we know of the future! Little did I think 2 years ago I should now be living in this distant land and married to one of whom I had never heard, but so it is."

Thomas and Ella shortly occupied their new home. Thomas reported apologetically they moved on Saturday a violation of New England tradition that required justification even on the frontier.

With help of a neighbor and an ox team, Thomas moved their modest possessions. The house was only partly finished, but by the time they had put up the cook stove and the bedstead and arranged their things, it had taken on the look of home. "I would not have you think," he wrote his mother, "that everything is straightened up and fixed to our liking and that there is now nothing more to be done. By no means. But we have made a beginning, and a good beginning."

Watch for next installment of the "Wells" story in the March 4 issue of Kansas Farmer.—R. H. G.

**Ijams Steps Ahead**



**I**MEDIATELY after appointing Roy Freeland secretary of the Kansas State Board of Agriculture, members of the board chose Paul Ijams as his assistant. In assuming his duties, Ijams brings to the job a wealth of experience since he has served with the board 22 years, and in 1938 became director of the control division, one of the largest divisions of the board. Ijams is 41 and a graduate of Seaman rural high school and Washburn law school. During his administration Ijams proved an outstanding leader in supervising feed, seed, fertilizer and other laws assigned to the control division. In 1947 the Association of American Feed Control officials recognized his leadership by electing him president of the organization. In the picture offering congratulations for his appointment are his wife, Margaret, son Jon, and daughter Janice.

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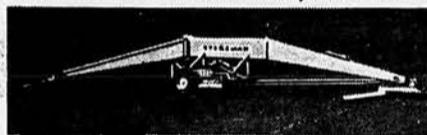
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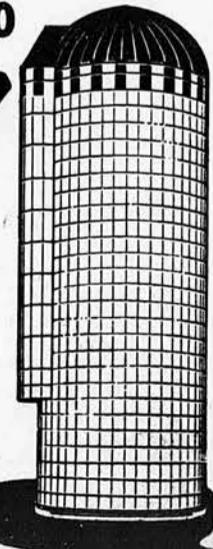
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## 100 Million Dollars From Certified Seed

WOULD Kansas farmers like to add 100 million dollars a year to their incomes? "They could if they all would use certified seed produced in Kansas," according to L. E. Willoughby, Kansas State College Extension agronomist. Mr. Willoughby made that statement at the annual meeting of the Kansas Crop Improvement Association, held during Agricultural Week January 30-February 3, at Manhattan.

"Wheat production in Kansas was boosted 75 million bushels last year thru planting 3 approved varieties—Comanche, Pawnee and Wichita," Mr. Willoughby explained. "Planting Cherokee and Nemaha oats increased production 5 million bushels, and Kansas has done more than any other state

to improve sorghum varieties," Willoughby added.

Wilfrid M. Johnson, Garrison, was elected president of the Kansas Hybrids Association during Agricultural Week. H. F. Roepke, Manhattan, is vice-president, and Carl Overley, Manhattan, secretary-treasurer, Ralf Hockens, Arrington, board of directors.

Kansas Crop Improvement Association officers for 1950 will be F. J. Raleigh, Clyde, president; Otto Eulert, Paradise, vice-president; L. L. Compton, Manhattan, secretary-treasurer, and Shannon Nickelson, Manhattan, assistant secretary. Walter Peirce, Hutchinson, retiring president, was elected to the board of directors, as was Wallace White, Coldwater.

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Moreover, the cultivator is properly located for fast dodging in crooked rows. It is easy to adjust for close, accurate work. The "Trigger Latch"—a Massey-Harris development—makes it easy to attach or detach the gangs without disturbing adjustments.

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Farmers can look forward to further reduction of wheat acreage in 1951 to keep supplies in relation to demand, visitors to Agricultural Week were told by Russell Reitz, executive officer of the Kansas committee of the Production and Marketing Administration. If conditions are just right the Federal Government may also have to slap marketing quotas on wheat, Mr. Reitz explained, but it doesn't look now like they will be necessary.

American plant breeders were scored for not using atomic energy to change plant heredity. Dr. E. F. Frolik, Nebraska University agronomist, told plant breeders European scientists have improved plant species with atomic radiations.

President Milton S. Eisenhower, speaking at the annual banquet of the Kansas Crop Improvement Association, listed the top job of his administration as establishment of the Kansas Agricultural Council on Research and Education. The council is composed of representatives of various types of Kansas agricultural interests, all working together for the betterment of agriculture in the state.

"Cultivated land in Kansas should be reduced by some 5 million acres," stated R. I. Throckmorton, dean of the school of agriculture, Kansas State College. "Land being taken out of cultivation," he said, "should be gradually worked into grasses and legumes." He also suggested more fallowing in Western Kansas, planting more grasses and legumes for seed production, seeding waterways to grass, and using grain sorghums as a substitute feed crop for corn."

### Hybrids Lead

Kansas hybrids had a 4.2-bushel better yield over the state in 1949 than other hybrids, announced A. L. Clapp, Kansas State College agronomist in charge of co-operative corn-performance tests. Average yield of all hybrids in the 1949 tests was 6.5 bushels more than open-pollinated varieties tested. "But there is a lot of difference in hybrids," Mr. Clapp explained. "There was an average difference over the state of 29.3 bushels an acre between the top and bottom hybrids."

"There is no royal road to breeding better dairy cattle," Dr. G. W. Salisbury, of Illinois University, warned dairymen at the Agricultural Week sessions. "Dairymen could learn much from plant breeders, especially in crossing," Doctor Salisbury said. He also suggested much better culling and more production testing. "Only 4 per cent of American dairy cattle are on test," he said.

"Americans are eating 250 per cent more ice cream and 60 per cent more cheese than before the war," said G. S. Bulkley, general director of dairy extension at the Carnation Milk Co., Los Angeles, Calif. "The outlook for purebred dairy-cattle breeders is rosy despite present surplus of dairy prod-

ucts," he said. He pointed out that efficient production methods have outstripped consumption currently but population increases will catch up. "Just the vitamins and minerals contained in one quart of milk," Mr. Bulkley explained, "would cost 17 cents at a drug store. In addition, milk has high-quality protein and plenty of energy value, too."

Ray E. Smith, Jersey breeder from Hutchinson, was presented a gold watch from dairymen of Kansas in recognition of his 6 years of service as secretary-treasurer of the Kansas Purebred Dairy Breeder's Council.

At the state Holstein-Friesian association meeting Harvey Bechtelheimer Sabetha, was presented a bronze plaque for his achievement in improved dairy-cattle breeding. The award was based on production, testing, type classification, and herd health.

R. L. Evans & Son, Hutchinson, and Lloyd Schultz, Pretty Prairie, were awarded 1949 numerals to add to bronze plaques they received in previous years. Jake Zarnowski, Newton, received a certificate in recognition of high production by his Holstein cow, Nellie Jewell Bessie. The animal has produced 126,637 pounds of milk during her lifetime.

Presentation of the Pillsbury award for 1950 was made to H. D. Laudick & Son, Hoisington. The gold trophy was given to the Laudicks for their prize-winning Comanche wheat at the 1949 Kansas State Fair, at Hutchinson.

### All in One Family

Judging livestock is somewhat a family affair in Greenwood county 4-H circles. Keeping it in the family are the 3 sons of Mr. and Mrs. Leo Ebberts. The sons are Ray Lee, Ronald and Grogan Ebberts.

The judging ability of these boys helped them to carry away the honors from the district judging school and contest held in Morris county during the summer. Here is what happened: Ray Lee, 14 years old and youngest of the 3 brothers, won top honors at the school with 1,236 points out of a possible 1,350. Ronald, second in age at 15 years, won second place in the contest with 1,212 points. Grogan, 18, took eighth place in the large field of contestants with a score of 1,187. As the 3 high judges from Greenwood county, the Ebberts brothers represented the county as a team and won first place among 22 county teams.

Greenwood county is justifiably proud of this brother trio of judges. County Agent William Wishart says all 3 boys carry a large number of 4-H projects and are active members of their club. With their parents they live on an upland farm that is well diversified. On this farm they have the opportunity to apply what they have learned from judging charts and from their instructors.

### They Waited 5 Years

(Continued from Page 1)

strange, but I love it." The Hauvers son, Edward Donald, but whom they call "Skippy," was born November 27, 1945. He was an interested participant when the shower was given for his parents January 20, this year.

Mrs. Hauver lost no time getting into the swing of farm affairs. When Myrlin brought her to Phillips county first time in 1945, soon after their marriage, she immediately joined the Prairie Maiden Home Demonstration Unit. Since coming back to Phillips county in June, 1948, she has been active in various kinds of home demonstration work, particularly furniture refinishing.

Myrlin is enrolled in the GI "On-the-

Farm Training Program," and attends classes 3 nights a week in Phillipsburg. The rest of his time is spent getting his new home and farmstead in order. His hobby is photography and he has many beautiful slides in color, taken during his war service. At the shower he found another young farmer also interested in photography, and they immediately made plans to get together so they can share their common interest.

When you attend an event like the Hauver shower there is one thing about farm people that always impresses you. When it comes to having a good time all farm people need is one another.

### Key to Cover Pictures

Upper left: Mr. and Mrs. Myrlin Hauver and son, Skippy, (left) greet Mr. and Mrs. Wayne Whitney as guests being to arrive.

Upper right: Gifts are unwrapped and displayed for the guests. Myrlin's mother, Mrs. Ed Hauver (left rear) is enjoying the event.

Lower left: Mrs. Wayne Johnson (wearing suit) and Mrs. Harvey Matteson (right) explain what they want the guests to do during one of the games played.

Lower right: Myrlin passes out cigars to the men, who enjoy a good smoke before refreshments arrive. More than 70 farm friends and relatives attended the shower.

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### Great Changes

(Continued from Page 5)

try, practically insure egg production on a year-around basis today, while at the beginning of the century, eggs always were a scarce commodity during winter.

Discovery of methods to prevent black-leg and hog cholera, in which Kansas State College took the lead, did much to stabilize the cattle and hog industries.

What of the future of Kansas Agriculture? If one can safely use present trends as they are being developed by some of the best farmers in the state, and the indication coming from research at Kansas State College, agriculture of Kansas will become more diversified and more stable as it becomes more mature. Livestock of some type will be produced on many more farms than at present. This means more legumes, more grass on some farms, and in some areas more feed crops. There will be a trend toward a grassland agriculture, but wheat will continue to be an important cash crop.

#### Better Livestock Gains

We may expect improvement in livestock which will result in more economic gains, earlier maturing and greater ability to utilize coarse feeds effectively. Development of better feeding and grazing practices also will result in more economic gains. Hybrid cattle, hogs, sheep and poultry may replace present breeds, but this change seems more likely to take place in hogs and poultry than in cattle or sheep.

There will continue to be many changes in crop varieties, because plant breeders must develop new varieties having resistance to the ever-increasing number of races of smuts and rusts. We will, I believe, have varieties of wheat that will be resistant to stem rust as well as resistant to leaf rust and smut! These varieties also will have more resistance to heat and drouth than do existing varieties. All wheat varieties will be of good milling and baking quality to meet demands of a more critical consumer market.

Corn hybrids of the future will be resistant to existing corn diseases and to many insects, and will have higher yielding and greater drouth-resistance characteristics.

#### Legumes for the West

I am confident we will have annual and perennial legumes growing on the non-irrigated lands of the west. These legumes will aid in solving organic and nitrogen problems developing in soils of Western Kansas.

From present indications, it may be expected there will be an increase in number of small commercial orchards in Eastern Kansas to meet demands of growing local markets for fresh fruit. There is definite promise of vastly improved varieties of vegetables and small fruits. Present research at Kansas State College indicates hormones may come into common use to assist in setting blossoms, and thus increase the production of fruits and vegetables.

Soil conservation practices and measures including proper land use, good soil management and good tillage practice will be in use on practically every farm. Associated with the soil conservation program, will be a greater and more efficient use of commercial fertilizers.

All of this means farming will become more technical.

These changes will lead to better living, more home and farm conveniences, home and farm beautification and a better agriculture.

*Editor's Note: Another article on 50 years of progress in some phase of Kansas Agriculture will appear in an early issue of Kansas Farmer. An entire series of articles is coming.*

#### Future Farmer Week

National Future Farmers of America Week is February 18 to 25. The week will be opened February 18 with an NBC radio broadcast featuring national officers of the organization.

These officers, appearing on the Farm and Home Hour program from Chicago, will discuss the FFA's 22-year history, some of its present activities, and plans for the future.



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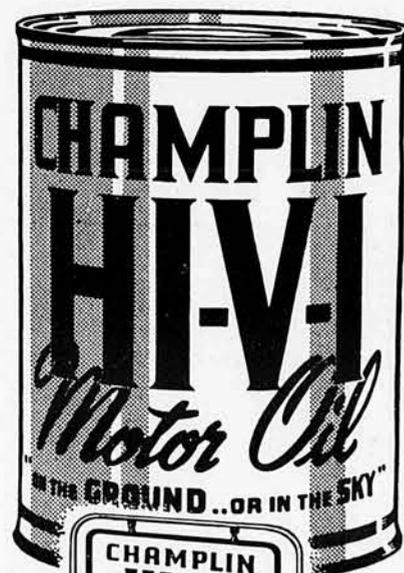
# ONE STANDS OUT



Marilyn Peirce, Haven, Kansas, hugs "Fatty", 4-H Club Angus Breeding Heifer champion, Kansas State Fair '49. Heifer's real name is Peirce's Princess Evelyn 176.

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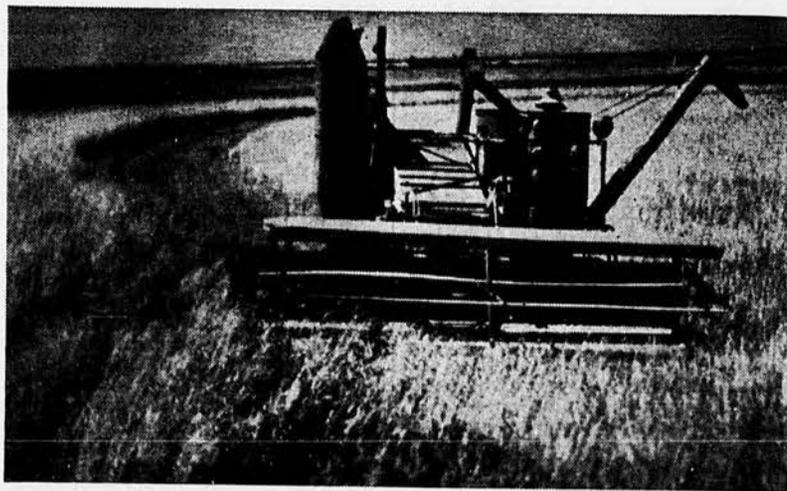
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**Increase Crop Yields Now!**

(Continued from Page 6)



**NEED MODERN EQUIPMENT:** Charles Anderson, Edwards county, is opening a field of wheat with a self-propelled combine. He is cutting the terrace out first. Other modern equipment is needed, too, for contour farming. (Photo courtesy Edwards county SCS.)

farm and home conference at Dodge City. Cited were experiment station records that showed increases of wheat and milo yields because of these special practices—terracing and contouring.

Experiment station records again. What about records under actual farm conditions? Earl Means thought he had a way to find out about that thru record books kept by his farm management co-operators. He dug into those books.

Mr. Means selected 60 farmers. They operated under similar conditions, had similar programs. Their farms were close to the same size. Only outstanding difference was this: One group of 30 had terraces and contour farmed. The other group did not.

Without terraces the average wheat yield was 17.9 bushels an acre. That was in 1947, a record-breaking wheat year. Those with terraces and contouring averaged 19.75 bushels an acre.

Now look at milo yields. Without terraces milo on 30 farms averaged 13.81 bushels an acre. With terraces and contouring, milo yields on the other 30 farms averaged 17.5 bushels.

There was immediate return from terracing and contouring. And that was 1947. Contour practices have a habit of showing up better when the year is not so good as it was in 1947.

At that Dodge City meeting the whole question was quite thoroly aired. Both sides had their say. Why were many farmers reluctant to begin terracing and working their ground on the contour? Three main reasons: (1) Because it cost too much in machinery expense. New machinery. Equipment that can be operated completely from the tractor to save time on point rows, small ends. (2) Because of the added labor expense to farm the same number of acres. (3) As a result of all these, it limited the size of the operation. And a decrease in size tends to restrict the efficiency factor.

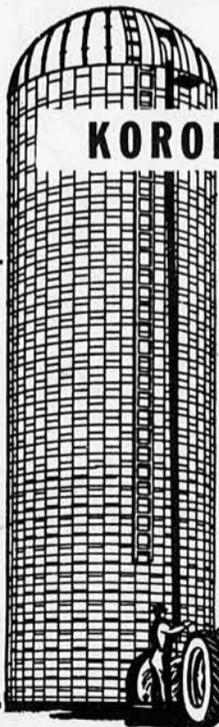
Those difficulties are real. They aren't just imagined. Even the figures Earl Means worked out tended to uphold those points. Without terraces, machinery cost per acre averaged \$7.21. With terraces it was a little higher, \$7.41 an acre average. Those figures are contrary to the old argument that farming on the level takes less fuel, lessens machinery expense.

It showed up in labor costs, too. Without terraces the cost was \$5.39 an acre. With terraces \$5.75. You could say that difference was due to human factors. But with a number of farms figured into an average, that should equalize the human factor.

(Continued on Page 31)

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**USES SWEET CLOVER, TOO:** Ray Field, Edwards county, started terracing rented ground 15 years ago. It is inconvenient, but he believes it pays off. He now is trying sweet clover in rotation. This is first-year clover as it appeared in fall.

But here is the real difference in favor of terraces: Net income per acre was greater on the farms where terraces had been built, where contour farming was being practiced. It was greater because the yields were larger, gross was greater. Net income from each acre without terraces was \$20.17 that year, 1947. With terraces and contouring, net income was \$23.77. Average net income from all farms in the first instance was \$11,003.71. For those with soil conservation practices it was \$13,605.74.

As a result, of course, expenses for each \$100 of gross income was higher on farms where soil conserving practices were not used. Out of each \$100 of gross income here, expenses amounted to \$46.63. On the other farms expenses for each \$100 of gross was down to \$40.17, even the average acre expenses for machinery and labor were higher.

Now don't get us wrong. We are not interested in flying flags and shooting guns in the interests of any one particular organization in the soil conserving field. We can't go along with such a statement we heard recently, "Be proud of your (SCS) district, and tell the people more about it so they may distinguish between conservation as given to them by the districts and the conservation work which goes on unorganized."

We aren't proud of that statement. We can't see the Americanism in that. In the first place the word "given" was badly used. There are some who believe you are paying as much as a full

silver dollar for each 10 cents worth of soil conservation that is "given" you. On the opposite extreme, it seems robustly American to have enough interest in the work to do it on your own initiative, "unorganized," you might say.

But the fact remains, it has been shown thru quite extensive data that wheat yields in Western Kansas fluctuate according to the amount of water available for use of the growing crop. Terraces and contour tillage help store a greater amount of water in the soil before the crop is seeded. Then, during the growing period, rainfall again is conserved and made available for the crop.

Big job year after year in the western half of the state is to conserve moisture. Terraces and contour tillage definitely help do that job. In the eastern half, the problem is some different. There is still the problem of slowing the run-off, holding moisture. But in addition, there is a greater problem than out west of holding soil intact, keeping organic matter on the field. Hanging on to the lime and commercial fertilizer that was paid for in round, hard dollars, rather than letting it go off with the water to feed the fish in creeks and rivers.

But how do farmers feel about working along those terraces, contouring the fields? We talked to several men who were included in that group of 30, the ones with terraces.

"Sure it's inconvenient to work ground on the contour," says Ray

Field, Edwards county. "But it's better that way."

Mr. Field rents the farm he works. He moved on it in 1930. A few years later he started terracing on his own hook, without benefit of payments from outside. There now are about 10 miles of terraces on this 480-acre farm.

Difficulties? There certainly are. Combining is one. Follow the contour lines with a pull-type combine and you track down a lot of wheat. Lose it. Of course, with the new self-propelled combine terraces can be cut out without tracking down wheat. And, with the odd-shaped fields, time lag can be cut to a minimum.

But there are other difficulties, too. Mr. Field says he can't use a chisel-type implement for working ground. Joint-wheat, a weed, would drive him out of business with that type of tillage alone. At present he uses a one-way. But with that implement you soon have ridges and ditches in lands between terraces.

Then drilling wheat. A comparatively jasy job on the contour and along terraces, when you have a self-lifting drill. But man-alive, it just isn't possible to step out and buy all that new equipment at once.

**It Is Better**

Sure it's inconvenient, says Mr. Field. But, he adds, it is better that way. Along with his terraces and contouring, he is using a small amount of sweet clover in rotation. Trying it. Clover seeded last spring was nearly waist high by fall. This year he expects to harvest his first wheat after clover plowed down.

John Welch, Pawnee county, has had similar experiences. To do the job right, he has found it takes special farm equipment. Mr. Welch uses a one-way disk in tilling soil. Then he follows with a chisel. With chisels 12 inches apart and putting them down 6 or 7 inches, he follows contour lines. That makes little terraces between the terraces, he reasons. It helps put water down where it won't evaporate.

But he, too, is aware of the ordinary one-way leaves land uneven between terraces. He is considering use of a new orchard-type disk that will leave ground in a level condition.

In addition to the disk, he has a new self-propelled combine on order. But he still needs self-lifting drills. Even so, he thinks it is worth it. Not just from the angle of increased yields alone.

As Mr. Welch says, "I grew up on this land and I'm not going to let it wash away."

During the summer of 1948 he says he observed more washing than ever before. He is going to put a stop to that, too, while increasing his yield potential. Mr. Welch is doing his own terracing with one-way plows. He says he can throw up 1 1/2 miles of terraces a day with 2 one-ways.

**Is Sure It Pays**

Randal Dikeman, Pratt county, will concede that terracing and contouring improve yield. But even if he didn't get an immediate increase just from the soil work, he is sure it pays to terrace just to keep the soil from washing away. He started terracing back in 1938 and 1939.

Charles Novotny, also of Pratt county, is just as sure it pays to terrace and contour. He built his own first terrace about 12 years ago, primarily to protect his farmstead from excessive run-off water. That first terrace sold him. He has continued on from there.

At one place close to his farmstead, there always had been trouble in holding a township road in place. Even that road no longer gives trouble since Mr. Novotny terraced the field above.

Perhaps the most startling thing about the whole program is the tremendous amount of work left to be done. A lot of money has been spent. Federal money. That's your money. A lot of work has been done. The state PMA reports about 700,000 acres have been terraced to date in Kansas. They are talking about actual terraces that have been built. Not about those elusive plans that have been written. Not about the many applications received.

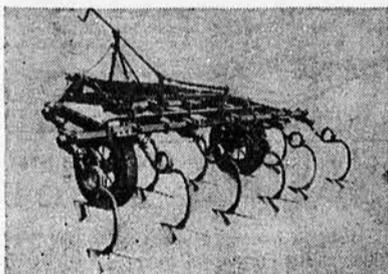
But PMA also notes present need is to protect 11 1/2 million acres in Kansas with terraces. That leaves a lot of work in the hopper. Final result when terraces are built will be better crop yields, less soil loss. But as these soil-conscious farmers point out, it does take more modern equipment to do the job right. That can't be replaced overnight. It will have to continue to be a gradual process.

**FIELD TESTS PROVE ADVANTAGES OF STUBBLE MULCH METHOD OF SEED BED PREPARATION FOR PLANTING AND SEEDING**

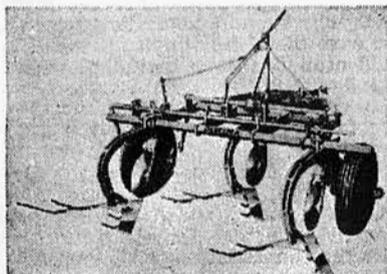


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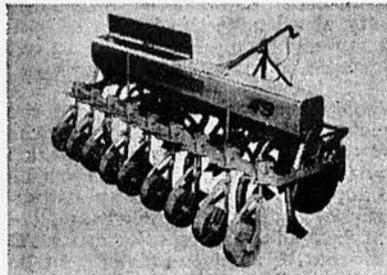
**FIELD CULTIVATOR Spring Tooth Attachment** can be supplied in either 8", 10", or 12" size... may be equipped with either regular 16" sweeps or 2" x 10" double point shovels.



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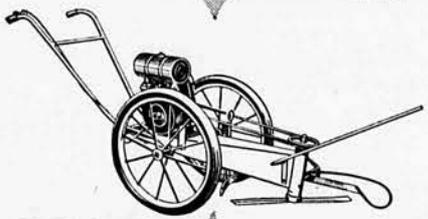
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## Now a Wheat Surplus?

(Continued from Page 7)

"A reserve supply of 20 per cent over and above estimated domestic disappearance and export requirements should be ample."

Wooley then recommended that the national acreage allotment be changed to read:

"The national acreage allotment for any crop of wheat shall be that acreage which the Secretary determines will, on the basis of average yield produce an amount adequate, together with the estimated carryover at the beginning of the marketing year for such crop and imports, to make available a supply for such marketing year equal to the normal supply."

Also, that the definition of normal supply be redefined as follows:

"Normal supply in the case of wheat for any marketing year shall be (1) the estimated domestic consumption of the commodity for the marketing year ending immediately prior to the marketing year for which normal supply is being determined, plus (2) the estimated exports of the commodity for which normal supply is being determined, plus (3) an allowance for carryover of 20 per cent of the sum of such consumption and exports."

Last June the Secretary determined acreage allotments were necessary, but not the imposition of marketing quotas—which would have required a two-thirds majority vote of wheat growers over the nation.

The national allotment arrived at was 68,944,099 acres. This was based on normal domestic consumption of 715 million bushels, normal export of 385 million bushels, or combined "normal" domestic consumption of 1,100,000,000 bushels. As 130 per cent of 1,100,000,000 is 1,430,000,000 that figure was the national allotment level. The indicated carryover (July 1, 1950), was placed at 320 million bushels, calling under the formula for needed production of 1,110,000,000 bushels. Figuring a 16.1 bushels yield per acre gave (1,110,000,000 divided by 16.1) the 69,944,099 national acreage allotment.

At that point Eastern Colorado and Western Kansas came into the picture. Under the formulae provided in the then existing law, acreage cuts in these areas were so heavy (due to increased acreages in the war and postwar years) that it was feared wheat growers would just not comply with the farm allotments required.

So Congressmen Clifford Hope, of Kansas, and William S. Hill sponsored in Public Law 272 a provision by which wheat growers in these areas would be protected against acreage reductions. It was estimated this would add some 2 million acres to the national allotment. But when the act was applied

all over the country, it actually added 4.5 million acres to the farm allotments—also considerable confusion.

Colorado drew an increase of 789,225 acres over the original allotment of 2,272,535 acres, almost 35 per cent. Kansas drew an additional 398,278 acres above the original 1950 allotment of 13,492,502, an increase of only 3 per cent. Nebraska got an increase of 7.8 per cent to 4,203,362 acres. Ohio got the same percentage increase as Kansas, but only 71,846 acres on top of 2,001,444. Missouri drew an increase of 11 per cent; 171,853 acres on top of 1,558,826. Ohio's total acreage was cut 12.8 per cent below 1949 seeded acreage; Kansas, 12.1 per cent; Missouri, 13.9 per cent; Colorado, 13.2 per cent.

Most surprising to the congressmen who passed the Hope amendment were some of the increased allotments for non-wheat states. Alabama was jumped to 206 per cent of 1949 seeded acreage; Utah drew 16 per cent increase; Mississippi, 18 per cent increase; Arkansas a 40 per cent increase; South Carolina, 11 per cent increase.

"That was not what we passed the law for," Congressman Hill shrieked at the committee hearing. "We sponsored it to help Colorado—and Kansas, of course."

Nevertheless, Hope and Hill are proposing that Public Law 272, so far as wheat is concerned, be continued another year. Otherwise, they maintain, too many growers will decide not to comply with the law. And as exports still are dropping, it may be necessary to impose marketing quotas for the 1951 or 1952 crops.

The Department is urging the Wooley proposal, thusly:

It is recommended that the base period of 10 years be made applicable to the 1951 crop; and that the 5-year period be used as the base for 1952 and subsequent crops. In addition, it is recommended that the Department be given a reserve acreage equal to one per cent of the total national acreage, which could be parceled out to the "new counties" hard hit by the acreage reductions under the formulae.

Assuming a 1950 (crop) national allotment level, this would allow Kansas a seeded area of 13,372,232 acres for 1951 crop, and 13,164,770 for 1952, compared to the 15,805,000 seeded for the 1949 crop and the 13,890,780 for 1950. Missouri would draw 9,254,520 acres for 1951 and 8,973,981 for 1952; had 10,693,000 in 1949. Ohio, which seeded 2,377,000 acres in 1949, would draw 2,023,143 for 1951 and 2,012,004 for 1952. All these would be adjusted for "trends" over the 10-year and 5-year periods, respectively.

The committee and the Department are trying to find legal language to take care of farms which have established crop rotations including wheat as a fixed conservation program, so these will not be penalized, as they were in many states under the 1950 program.

Also, Director Wooley, for the Department, proposed to make more stringent the penalties for overplanting in case marketing quotas go into effect.

His recommendation to the committee:

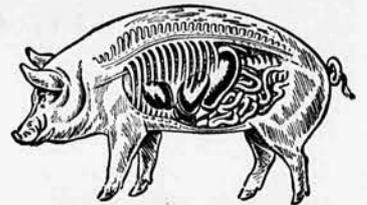
That the penalty for marketing wheat from overplanted acreages be made 50 per cent of the parity price per bushel, instead of 15 cents a bushel.

"A 15-cent per bushel penalty is no penalty at all now, tho it was considered sufficient when the original act was passed," Wooley explained.

Wooley also recommended that the provision setting aside 3 per cent of the county allotment for farms not seeded to wheat the preceding 3 years be stricken from the law, and no distinction be made between "new" and old wheat farms in making allotments. As an alternative, that the 3 per cent be allotted to states instead of counties, so the 3 per cent could be allotted to counties where needed.

Judging from the Wooley statement, accompanied by the most complete set of charts, statistics, and other data ever presented by the Department, the Department fears the wheat surplus will become a far bigger headache than potatoes or eggs.

Meanwhile Secretary of Agriculture Brannan is playing potatoes (and eggs) for all they are worth, in his campaign to have the Brannan plan enacted into law.



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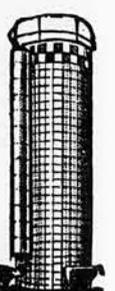
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## The Quick Cold Cures

By CHARLES H. LERRIGO, M. D.

TODAY'S mail brings the appeal: "Please tell me whether those new cold tablets are safe to use, and will they really break up a common cold at once? Why are doctors afraid of them?"

Doctors are not afraid of them, but physicians are always cautious about new medicines, especially those pushed as miracle workers. Don't cherish the idea your newspaper advertising tells facts of which doctors know nothing. Long ago the big pharmacy houses began to fill the doctor's mail with notices of Antihistamine compounds rendered harmless by their precautions. Your doctor's information came far in advance of what you have gleaned.

The doctors, for their part, rely upon a group of laboratory investigators, called The Council on Pharmacy and Chemistry. These investigators found cases in which users of the new drugs (the cold preventives) were overcome by irresistible drowsiness and sluggishness. Some fell asleep while at work, in some cases while driving cars or operating machinery.

So the verdict of the Council is that experience with the substances and the materials used in compounding them is, so far, insufficient to declare them harmless, especially if used over a long time.

Much of the advertising insists that the way to get effect is to take the drug just as soon as symptoms appear—within an hour. A person trying to give faithful observance would get at least 4 doses daily. One who wanted to be quite sure of protection at first attack would go on day after day—perhaps for 90 days.

There are few drugs having sufficient power to do anything at all that do not have cumulative effect, producing danger as time goes on. Most advertising stresses the matter of taking the drug promptly on exposure—within an hour. That means carrying it with you and taking it all day at frequent intervals—getting it into your system to the saturation point.

That is what physicians fear. Tests

have been made but only for brief periods. In the long run you may suffer, for these tests were not made for you. Personally, I would be inclined to say: If you are thrown into continued close contact with victims of a bad cold, you may make emergency use but do not take more than 6 doses in all. Meantime, see your physician. Otherwise you may find it a costly job to be your own guinea-pig.

### Last Job

Dear Editor: In the August 6, 1949, issue of Kansas Farmer, there was a picture of Fred Bennett, a blacksmith at Glenlock in Anderson county.

I'm sorry to say on January 2, 1950, Mr. Bennett passed away. He did a small blacksmith job for a neighbor the afternoon of his death. He passed away suddenly with a heart attack at his home.

I thought you might like to print this in Kansas Farmer as some people thought it would be a good idea. There were several blacksmiths came to see Mr. Bennett after reading the story in the Kansas Farmer, and don't suppose they know of his death.—Mrs. Clyde Kiblinger, Garnett.

### Permit Pooling

"Pooling agreement" provisions will be continued in Kansas in the 1950 agricultural conservation program.

Under this a group of farmers work together in carrying out a conservation project. Farmers in such agreements may pool all or any part of funds available to them to help finance one or more joint conservation projects.

Any number of farmers may participate in these agreements, but the same \$2,500-maximum payment limit will apply to each farmer in the pool just as it does to individual farm projects, explained Glenn H. Johnson, state PMA chairman.

Construction of diversion terraces, drainage ditches and dams are among projects that can be carried out under

pooling agreements. Prior approval of state and county committees is required before the projects are eligible for assistance.

### Use New Air Maps

County PMA committees in 14 Northwest Kansas counties are now using new areal photographic maps to check land uses and crop acreage in accordance with the requirements of various PMA programs. In measuring acreages from the aerial maps, office personnel use the planimeter, a mechanical device which measures the surface area with a pointer attached to a tabulating indicator.

The aerial mapping was done last summer in Cheyenne, Decatur, Graham, Logan, Norton, Osborne, Phillips, Rawlins, Rooks, Sheridan, Sherman, Smith, Thomas, and Wallace. Other counties in the northern part of the state will be mapped during the next 2 summers.

### Wrong Information

I have been informed that if a cow was vaccinated for Beng's disease after it was giving milk, the cow should no longer be used for a milk cow, that the

milk would be dangerous and might spread the disease. Please advise me.—Mrs. Rose Edgett, Edmond.

The information which you had on this question was incorrect. A clean, uninfected cow if vaccinated will not become infected or be a carrier of the infection from the vaccination process itself. On the other hand, if the cow already was infected the vaccination will not eliminate the infection which was present in the milk. The one disadvantage in vaccinating mature cows is that they develop a positive blood test which cannot be distinguished from that given by infected cattle. Such reactions, however, may disappear in the course of some months.—L. M. Roderick, K.S.C.

### Helps Sell Fruit

Something new in fresh fruit and vegetable merchandising has been worked out by Purdue's agricultural extension service. The service has equipped an educational trailer that is taken into cities for special training of food dealers in the display and merchandising of farm fruits and vegetables.

**(Growth Stimulation)**  
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**DR. SALSBUARY'S**  
**Ren-O-Sal**  
**DRINKING WATER MEDICINE**

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**Also Controls Coccidiosis** In larger doses, Ren-O-Sal prevents spread of cecal coccidiosis. Dr. Salsbury's Ren-O-Sal is packaged in tablet form for drinking water and in powder form for feed. Use it right from the start. On your next trip to town, buy Dr. Salsbury's Ren-O-Sal at hatchery, drug or feed store.

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**DOGS**

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

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Latest Methods treating Piles, Fistula, Colon-stomach disorders. Write for free book. McCleary Clinic and Hospital, E240 Excelsior Springs, Mo.

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Good Dairy Farm, 240 Acres, 2 miles town, good buildings, \$75 an acre. T. B. Godsey, Emporia, Kan.

**132-Acre Stock-Poultry Farm.** Description on request. Box 107, Iola, Kan.

**FARMS—MISCELLANEOUS**

Strout's Golden Anniversary Farm Catalog—over 2,800 outstanding bargains, 32 states Coast-to-Coast. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

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Apple, Peach, Pear, Plum, Grapes, Strawberries, Shrubbery State Inspected. Write for Price List Propheer Nursery, Wathena, Kas.

Strawberry Plants—Certified Dunlap Blakemore and Aroma 100—\$1.00; 500—\$4.50; 1,000—\$8.50; 5,000—\$40.00. Giant Robinson and Premier 100—\$1.25; 500—\$5.50; 1,000—\$10.50. Everbearing Strawberry Plants—Large thrifty plants will bear this year. Streamliner, Mastodon and Gem 25—\$1.00; 100—\$2.50; 200—\$4.50; 500—\$10.00. 12 large Rhubarb 1.00; 100—\$6.00. 25 2-year asparagus \$1.00; 100—\$3.00. Special Offer—6 Rhubarb, 25 asparagus and 100 Blakemore strawberries \$2.00. Everything postpaid. Labeled true to name. Full count and satisfaction guaranteed. Catalog free. Ideal Fruit Farm, Stilwell, Okla.

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Strawberry Plants—Hardy northern grown, double inspected Dunlap, Beaver, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Bellm, Giant Robinson 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem, Streamliner, Minnesota 1166 Everbearing 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Ia.

Home Orchard Collection—6 apple, 6 peach, 1 cherry, 1 pear, 1 plum and 5 grapes. Best varieties, adapted to your section, all 2-year best grade trees, well branched, 4 to 5 feet high \$7.95 postpaid to your mailbox. Planting directions and price list free. Ideal Fruit Farm, Stilwell, Okla.

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

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Hardy Recleaned Tested Kansas Alfalfa Seed, \$24.60 Sweet Clover, \$12.90; Brome, \$8.00; Red Clover, \$27.60; Korean Lespedeza, \$4.15; Certified Buffalo Alfalfa, \$7.40; all per bushel, track Concordia, bags free. Carries return guarantee. Samples, booklet, prices other seeds on request. JACK BOWMAN, Box 615, Concordia

Certified Hybrid Seed Corn only \$5.00 bushel freight paid. Results of 39 years producing high yielding seed corn. Dried and processed in second largest seed corn plant in the world with best machinery we can buy. Send for new catalogue of all kinds field and garden seeds at low prices. Kelly Seed Co., Peoria, Ill., or San Jose,

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Good Dairy Herds

Among registered Holstein-Friesian cows in Kansas whose recently completed production records were recorded by the Herd Improvement Registry Department of The Holstein-Friesian Association of America are the following: Owned by Wilson Brothers, Lincoln—Helen Billy Abbekerk, 668 pounds of butterfat, 19,552 pounds of milk, 365 days, 2 milkings daily, 5 years 5 months old.

Owned by R. C. Beezley, Girard—Marjorie Ormsby Merton Piebe, 656 pounds of butterfat, 19,033 pounds of milk, 365 days, 3 milkings daily, 5 years 11 months old.

Owned by Luther Shetlar, Conway Springs—Shetlars Fobes Inka, 627 pounds butterfat, 17,750 pounds milk, 330 days, 2 milkings daily, 5 years 6 months old.

Owned by The Security Benefit Home & Hospital Association, Topeka—SBA Irai Ech Fobes, 590 pounds fat, 15,725 pounds milk, 339 days, 2 milkings daily, 6 years 7 months old.

Owned by Glenn A. Palmer, Topeka—Collins Farm Ella Concentrator, 528 pounds butterfat, 14,073 pounds milk, 357 days, 3 milkings daily, 4 years 1 month old.

Owned by Henry Topliff & Son, Formoso—Daisy Pietje of Riverview, 524 pounds butterfat, 13,274 pounds milk, 365 days, 2 milkings daily, 2 years 6 months old.

Owned by Grover G. Meyer, Basehor—Royalawn Rhoda Ormsby Fobes, 510 pounds butterfat, 14,073 pounds milk, 365 days, 2 milkings daily, 3 years 10 months old.

Owned by Quentin J. Kubin, McPherson—Quin-Dale Marietta Homestead, 422 pounds butterfat, 12,274 pounds of milk, 294 days, 2 milkings daily, 9 years 2 months old.

Owned by W. G. Bircher and Sons, Ellsworth—Smoky Valley Ormsby Queen, 575 pounds of butterfat and 17,507 pounds of milk, 346 days, 2 milkings daily, 6 years 1 month old.

Owned by R. L. Evans, Hutchinson—Pay Line Tiny Sis, 827 pounds of butterfat and 18,691 pounds of milk, 365 days, 2 milkings daily, 3 years 6 months old.

Owned by R. L. Evans, Hutchinson—Pay Line Tiny Sis, 827 pounds of butterfat and 18,691 pounds of milk, 365 days, 2 milkings daily, 3 years 6 months old.

Hits Corn in Bin

A fungus disease of corn (known as diplodia) is listed as the number one corn disease of 1949 by Claude King, Kansas State College Extension plant pathologist.

The disease, says King, shows up as a white to gray mold on corn ears. Farmers who are reporting the greatest losses from diplodia are those who have been growing corn on the same land continuously for some time. "The disease lives over winter on stalks and ears in the field," Mr. King reports.

"Plowing the field in fall or winter helps in control; or planting a crop other than corn. A good rotation that will keep corn out for 2 years is best," Mr. King explains.

Lime Spreading Score

Kansas farmers, up until October last year, had spread 400,000 tons of lime thru the PMA program. Of this amount, 150,000 tons were used during September.

Counties leading in use of lime last year were Allen with 32,000 tons; Cherokee, 24,000 tons; Anderson, 23,000 tons; Crawford, 19,000 tons; and Douglas, 17,000 tons.

Some 39 quarries thruout Eastern Kansas supply lime for the program.



"I forgot what Mom sent me here to borrow, so could you refuse to lend it to her?"

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THE KANSAS CROP IMPROVEMENT ASSN. MANHATTAN, KANSAS

CERTIFIED HYBRIDS

Finest Quality U.S.13 K1784 K1639 Non Certified C92 and Utz 100 L. L. UTZ, Highland, Kansas

CERTIFIED NEMAHA OATS

Germination 97%. Purity 99.33%. (Blue ribbon at Kansas State Fair) Price \$2.50 per bushel. C. J. FEAR, Bala, Kansas

WABASH SOYBEANS

Have a limited supply of these new larger beans. Non-shattering. Larger yields. Larger plants. Will stand longer in field, before going down. JOSEPH L. ROSER, Williamstown, Kan.

BUFFALO ALFALFA

Offering registered blue tag seed of finest quality. This hardy, wilt resistant variety is our most profitable crop. Raymond O'Hara, Mankato, Kan.

Kansas Certified Nemaha Oats. Germination 95%. Purity 99.50%. \$1.90 bulk. \$2.15 sacked. Certified Atlas Sorgo. Germination 87%. Purity 99.50%. Write for prices. Ed Visser, Riley, Kan.

For Sale: Certified Nemaha Seed Oats. Germination 97%. Purity 99.09%. \$2.00 per bushel bulk, \$2.25 sacked. A. D. Mail, Clay Center, Kan. Leonardville telephone.

For Sale—Certified Clinton Seed Oats, \$1.75 per bushel in new sacks. Germination 98%. Purity 99.55%. Inert 29%. Other crop seed 16%. Ed Noll & Sons, Newman, Kan.

Pure, Certified Seed of high germination and purity of the early Midland milo, the new Ellis sweet sorgo, and Norkan. Fort Hays Experiment Station, Hays, Kan.

Certified Wabash Soybeans. Choice quality. Germination 98%. O. J. Olsen, Horton, Kan.

Certified U.S.13, K1784, K1646. Harold Staat Seed Farm, Ottawa, Kan.

KANSAS CERTIFIED SEED

CERTIFIED NEMAHA SEED OATS

Germination 97%. Purity 99.51% \$1.75 per bushel Call or write. ALBERT GIGSTAD or HENRY J. MOECK Nortonville, Kansas

CERTIFIED HYBRIDS

K1639 K1646 K1784 US13 K2299 K2234

The best for years H. F. ROEPKE

Rt. 3 Manhattan, Kan.

Kansas Hybrid Seed Corn. Certified K1639, K1784, K1646 and K2299 (white). Also limited supply of outstanding new earlier hybrids K1859, KIA305. Both showed good borer resistance last season. O. J. Olsen, Horton, Kan.

Certified Cherokee Oats, germination 97%, purity 99.5%. Certified Nemaha Oats, germination 95%, purity 99.5%. John V. Hansen, Hiawatha, Kan.

Certified Ellis Sorgo, second prize Chicago International, sweet stalk, \$6.00 per cwt. sacked my station. Niles C. Endsley, Alton, Kan.

Certified Atlas Sorgo, Germination 92%, purity better than 99.5%. \$7.50 per cwt. Walter Felce, Rt. 2, Hutchinson, Kan.

Certified Atlas Sorgo, 800 bags, germination 89%. \$5.00 per 100 lbs. in quantities only. George Wierenga, Cawker City, Kan.

Certified Cherokee Seed Oats, Germination 96%. Purity 99.50%. Tim Gruen, Abilene, Kan. Phone ACME 403.

Certified Achenbach Brome Grass Seed from grower, 50 cents pound at bin. E. O. Edwards, Talmage, Kan.

Certified Midland Milo, 90% germination. \$5.00 cwt. FOB Nickerson, Kan. Dale E. Leichter.

LAND AUCTION

Friday, February 24, 1950 at 2:00 o'clock P.M., on the premises

To settle Sarah M. Fender Estate, Executor will sell Section 25, Township 19 South, Range 37 West of the Sixth Principal Meridian Wichita County, Kansas, in Quarter Section tracts. This is excellent wheat and milo land located about seven miles south of Leoti, Kansas, on a hard surfaced highway. Southeast Quarter has 40 x 60 Quonset machine shed, house, hen house, well and windmill. All four quarters are under cultivation. One-fourth share of wheat delivered at elevator to purchaser. Terms 25% cash at time of sale and balance upon delivery of Abstract showing merchantable title.

Auctioneer: Willis Darg, Bennington, Kan., Phone 4904

Executor: Leo Seymour, 520 Brown Street, Salina, Kan.

Attorney: Rudolph Barta, Salina, Kan.

3% SAVE BY MAIL

NOW—let your idle funds be earning a LIBERAL dividend. We've been paying at least 3% on savings for 20 years.

United Offers You — SECURITY - AVAILABILITY UNITED BUILDING AND LOAN ASSOCIATION

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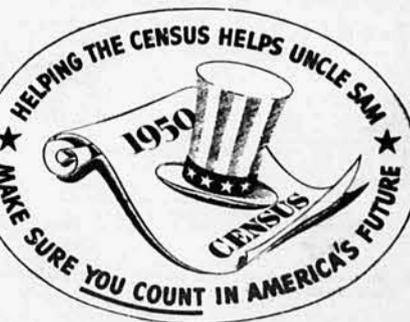
TONGUE-LOCK DIAMOND TOP Concrete Stave Silos

Longest possible service with the least possible worry and trouble are the big features you will enjoy in your McPHERSON TONGUE-LOCK DIAMOND TOP CONCRETE STAVE SILO. You also have our 37 years of experience to assure you of a better silo.

Contract now for a McPherson silo for future delivery. McPHERSON CONCRETE PRODUCTS CO. 904-1126 W. Euclid St. McPHERSON, KANSAS

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THE HENRY HYDRAULIC FARM SCRAPER ...Saves time, labor and money. Digs, hauls, dumps, spreads, 1 1/4 yd. cap. All steel const. Fully guaranteed. Write today for FREE circular HENRY Mfg. Co., Inc. P.O. Box 720, Dept. KF-218 Topeka, Kansas





**The Phillips Boys Carry On With Kansas Farmer**

Earl and Curtis Phillips, Route 4, Manhattan, have sought to carry on with the fine Holstein herd started by their father, the late K. W. Phillips. They also maintain the family advertising policy of regular appearances in Kansas Farmer.

"We have always advertised in Kansas Farmer," is their comment. "It is first on our advertising list and has never failed to get fine results for us."

These remarks by folks who use—and also read—Kansas Farmer is evidence of the consideration of every Kansas stockman. Write to Mike Wilson for information.

**KANSAS FARMER**

912 Kansas Topeka

**Dairy CATTLE**



**FOR SALE SHAMROCK FARMS**

D. Hector No. 450734

**Born February 4, 1949**

Sire: Coronation Duncan, a son of Coronation Melbas Majestic. 7 near-est dams average 743 lbs. BF.

Dam: Shamrock Farms Patsy No. 926536.

HIR Jr. 2 yr. old, 9777 milk 406 lbs. Fat 305 days 2x milking.

HIR Jr. 3 yr. old, 10957 milk 428 lbs. fat 297 days 2x milking.

Good type and priced to sell.

**Shamrock Guernsey Farm**

J. E. SINCLAIR Hillsboro, Kansas

**REGISTERED GUERNSEYS**

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

**AYRSHIRES**

**MOST PROFITABLE COWS**

Big Milkers Hardly Rustlers  
Good Grazers Perfect Udders

Write for Booklets and List of Breeders near you with Stock for sale Ayrshire Breeders' Association 260 Center St., Brandon, Vt.

**BULL CALVES FOR SALE**

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



**IN THE FIELD**

**MIKE WILSON**  
Topeka, Kansas  
Livestock Editor

The WREATH family, of Manhattan, donated a registered Duroc gilt for the All-Faith Chapel Fund, of Manhattan. The gilt was sold the night of the Annual Duroc Breeders Meeting at their banquet. The gilt was sold several times. The last time she was sold, she went to Harry Givens, a Duroc breeder west of Manhattan, and also a neighbor to the Wreaths. The sale of the gilt totaled \$395.

I have a very nice letter from my good friend, CHARLEY STUCKMAN, Duroc breeder, of Kirwin. The letter states he is sending an ad on his fall boars and gilts. These are probably the finest group of pigs Mr. Stuckman has ever produced. They are very uniform, dark-colored and the easy-feeding kind that the farmers are all looking for. Mr. Stuckman also reminds us that boars and gilts from his herd have topped the Kansas State sales in the past.

WALTER ROTHE, Poland China breeder of Ness City, also president of the KANSAS SPOTTED POLAND CHINA BREEDERS' ASSOCIATION, is up-to-the-minute on transporting his livestock from one point to another. In January he loaded one of his bred gilts in an airplane and flew her to Springfield, Ill., where the National Show and Sale was held on January 19. The gilt stood 10th in a large class. She sold for \$300. This price was among the very tops in the auction. Speaking of size she was farrowed on March 7 and weighed 420 pounds when she was sold in January.

The Annual Hereford Sale held February 10, at Harper, by SCHLICKAU & OLIVIER BROTHERS, was without a doubt the best sale that this firm has ever enjoyed. Probably one of the greatest Hereford sales ever held in Harper county. Sixty head of registered Herefords in this auction averaged \$453 per head. Seventeen bulls, mostly calves, averaged \$596, while 43 females, with a great number of them 1949 calves, averaged \$397. The top-selling bull was SH. Larry Domino 1st, from the Schlickau herd. He sold to Charles Castle & Sons, of Jet, Okla., for \$2,535. Top female in this sale, Jeanette C. Domino, also from the Schlickau consignment, was bought at \$1,020 on the bid of Bob P. Stewart, of Coldwater. Col. "Bill" Heidenbrand, assisted by livestock press representatives, conducted the sale.

JASPER GIBBS, Hereford breeder of Jetmore, dispersed his herd of registered cattle at the ranch on February 6. Mr. Gibbs had spent several years in building this herd of cattle, but had decided to rent his land out and was compelled to disperse the herd. The cattle were sold in their everyday working clothes and many of them were just calves. But the prices received were very satisfactory. Fifty-nine head averaged \$320. There were only 6 bulls in the sale, but they made an average of \$471 per head. The 53 females made an average of \$303. The top bull in the sale, Colorado Comprest 57th, brought \$705, going to F. V. States, of Logan. The top female in this sale was Reals Onward Lass 47th, with a calf at foot that was unrecorded, went for \$500 to J. V. Severe, of Ashland. The sale was managed by Vic Roth, of Hays.

Demand was great for NORTHEASTERN KANSAS bred Herefords at their Annual Sale, held at Topeka, Saturday, February 4. There were several head more cattle sold thru the sale ring this year than ever before. However, the average per head was about \$30 more than last year. A top of \$915 was made on bulls. This figure was paid by Gilbert Keirns, of Cummings, for KVH Advance Domino 3rd from the consignment of Joe C. Campbell, of Rossville. This was a November, 1948, calf sired by Advance A. Domino 76th. Second top on bulls was \$510, this calf was also from the Campbell consignment. He was bought by A. W. Lincoln, of Wichita. This top-selling bull was made champion of the show by Judge Elmore Stout, who judged the show the morning of February 4. The peak on females for the afternoon was \$510. Allen Engler & Sons, of Topeka, consigned this top-selling heifer 4E Paulette 5th. She was purchased by R. T. & Gwen Ballew, of Hiawatha. Thirty-eight bulls averaged \$362, 18 females made an average of \$449. All 56 lots of cattle sold brought an average of \$357 per head. The sale was sold by Freddie Chandler and managed by Elmer Becker, Meriden, secretary of the Northeast Kansas Hereford Breeders Association.

KANSAS DUROC BREEDERS gathered in Manhattan the night of January 30 on the preceding evening of their annual State Sale. The purpose was a general get-together visit and business meeting. Election of officers resulted in Fred Germann, Manhattan, being named president of the organization for the coming year. Sidney G. Johnson, Jamestown, was named vice-president and Herman Popp, a young breeder, of Haven, was elected secretary-treasurer. George Wetta, of Andale, was elected as delegate to the State Board of Agriculture. The morning of January 31 Prof. C. E. Aubel, of Kansas State College, placed the gilts for selling order in the sale. Ralph Schulte, of Little River, consigned the top-selling gilt going to Vic Goering, of Halstead, at \$160. The second-top selling gilt came from the herd of Vern V. Albrecht, of Smith Center, and was sold at \$155. A few fall boars were auctioned. The second prize and top-selling boar was from the consignment of Herman Popp, Haven, out of a litter of 15 pigs. He was bought by Riley Boren, of McKinney, Tex., for \$125. The first-prize boar pig and second-top selling pig in the sale was from the Ralph Schulte herd, at Little River, and bought by Delbert Smith, of Enterprise. Col. Bert Powell was the auctioneer.

Several hundred Duroc breeders, farmers, friends and special guests gathered at Smith Center City Hall the night of February 6 to help the VERN V. ALBRECHT family of that community celebrate their golden anniversary of Duroc hog raising. It was 50 years ago when Mr. and Mrs. Philip Albrecht purchased their first registered Duroc. Mrs. Philip Albrecht was able to be present at this grand meeting. During these 50 years many high-class boars with great records, both in the breeding pen and the show ring

have been added to this herd. Hundreds of outstanding breeding and show animals have been shipped out from this breeding establishment to many well-known, high-ranking herds in the United States. A gorgeous banquet was served to the many guests. Bing Evans, secretary of the National Duroc Record Association, gave a very interesting talk and presented Mr. and Mrs. Vern Albrecht with a gold clock from the association. Don Peach, Mile High Farmer of KOA radio station, of Denver, made the introductions of the evening. Roy Freeland, secretary of the Kansas State Board of Agriculture, delivered the address. The Smith Center Chamber of Commerce provided entertainment for the evening. Five members were present from the National Duroc Record Association, of which Vern was also on the board a number of years. Mr. Albrecht now is president of this organization. The morning preceding the sale a judging contest for Vocational Agriculture and 4-H Club boys and girls was sponsored by the Albrechts. More than 500 boys and girls participated in this contest. The official placings were made by nationally known judges. At 1:30 in the afternoon the Anniversary Sale got underway. A top of \$255 was made on the bred gilts. This figure was paid by the Duroc News for the top-selling gilt going on order. A second-high figure of \$250 was paid by William Rillinger, Duroc breeder, of Goff. The offering was distributed in several states. However, the greater portion of them stayed in Kansas. Fifty-eight head of bred gilts were sold for an average of \$138 per head. Several fall boars were sold. Darrell Spears, of Bloomington, paid \$77.50 for the top-selling boar pig. They sold from this figure down to \$45 per head. Four head of fall gilts were sold at an average of \$52.50, going to Walter Becker, of Cawker City. Col. Bert Powell conducted this Anniversary Sale. It was the 22nd sale that he has made for the Albrechts. We feel that much credit is due Faye Albrecht, Vern's wife, and their 4 fine daughters for the great success that this firm has achieved.

Hereford history was made at Dodge City, February 8, when the KANSAS HEREFORD BREEDERS ASSOCIATION made its first consignment sale of range bulls. Approximately 140 head of bulls were sold in pens of 3, with a very few groups of 2, to make an average of \$465 per head. Sixty-five head of bulls were marched thru the auction ring single file and made an average of \$643 per head. Two-hundred fifteen head of registered Herefords, including 14 heifers, were sold at a general average of \$518 per head. The top-selling pen of 3 bulls was consigned by CK Ranch and bought by Morris Snyder, of Moran, Tex., for \$1,000 per head. Several pens of 3 head were sold at \$800 per head and above. In the single-bull sale a top of \$2,000 was made on a bull from the Parcel Hereford Farms, of Coldwater. The bull was bought by Harold Kaughman, of Nara Visa, N. M. The champion bull was also from the Parcel consignment and was sold to Will Messenger, of Kingman, at \$1,375. Lappin Brothers, of Jetmore, were the consignors of the champion and top-selling female in this show and sale. She was Miss R. Comprest 48th, a May, 1948, heifer, going to Royal Hereford Ranch, at Denver, for \$1,235. Gene Watson, secretary and manager of the Kansas Hereford Breeders Association, managed this very successful sale.

**Must Watch T.B.**

How prevalent is bovine tuberculosis? The U. S. Department of Agriculture says in 1949 there was one reactor to every 514 tested animals.

Best record was back in 1943 when only one animal out of 542 showed reaction to the test. During the war the eradication program slipped and the disease showed some increase. In 1945, for instance, there was one reactor in each 416 animals tested.

**Improve Turkey Health**

By use of the tube agglutination test for pullorum instead of the old whole-blood plate method, turkey breeders and hatcheries operating under the National Turkey Improvement Plan, as supervised by the Kansas Poultry Improvement Association, have reduced the percentage of reactors from 7.12 per cent in 1944-45 to 0.98 per cent in 1948-49.

**Nail Sizes Handy**

Proper-size nail for any job can be quickly selected with the aid of a nail gauge lettered on a strip of adhesive tape with pen and ink and applied to the handle of the hammer. An accumulation of mixed nails also can be sorted easily by this method.—E. A. K.

**Beef CATTLE**

**PENNEY & JAMES**  
**8th Annual Production Sale of Aberdeen-Angus**  
at the Homeplace  
**Hamilton, Missouri**  
**March 6—12:30 P. M.**

**50 FEMALES — 14 BULLS**  
Featuring the get and service of Eileenmere 487th. Other great bulls featured in this sale are Homeplace Eileenmere 500th; Eileenmere 998th; Homeplace Eileenmere 72nd; Homeplace Eileenmere 497th. Privates of Hamilton. Remember you are buying daughters, sons and granddaughters of the most talked about bulls of the breed.  
For sale catalog write to  
J. B. McCORKLE, Sales Manager  
3710 A.I.U. Bldg., Columbus 15, Ohio  
Auctioneers: Johnston and Sims

**AMERICA'S FASTEST GROWING BEEF BREED**

Proof of the profit-making ability of Angus cattle is the rapid growth of this modern breed. In 1949 the Angus breed was the only major beef breed showing increases in both registration and transfers of pure-bred cattle. For information write Dept. KF, AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION, Chicago 9, Illinois



**HERD BULL For Sale**

Domestic - Lamplighter 46th bred by Mousel Brothers of Cambridge, Nabr. This bull topped their sale in 1945 at \$3,750. Retaining 40 head of his heifers in our herd. 5 young Bulls by the 46th.

**OSCAR GIDEON**  
Emmett, Kansas

**HEREFORD BULL FOR SALE**

Choice Registered Yearling Bull  
WHR and Hazard Rupert 81st breeding.  
**LEONARD B. JOHNSON**  
Alta Vista, Kansas

**REGISTERED HEREFORDS**  
Eleven yearling heifers and 5 bulls by K. K. Dandy Rupert, grandson of Hazard Rupert Tone 2517890.  
W. H. KREHBIEL, Rosalla, Kansas

**POLLED SHORTHORNS FOR SALE**

Dale Collynie, four-year-old dark roan bull. Also two 6-months-old bull calves, 1 red and 1 roan.  
HARRY E. ESHELMAN, Sedgwick, Kan.

**AUCTIONEERS**

**HAROLD TONN**  
Auctioneer and Complete Sales Service  
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Purebred Livestock, Real Estate and Farm Sales.  
Ask those for whom I have sold.  
CLAY CENTER, KANSAS

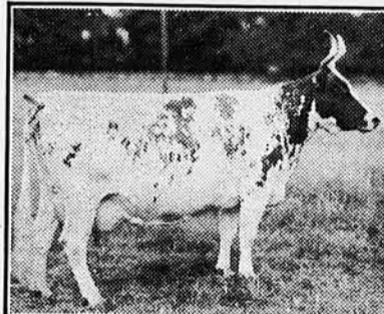
**Dairy CATTLE**

**FOR SALE**

Holstein bull Mt. Joseph Governor Burke—3 years old. Sire Weber Hazelwood Burke Raven (very good). Dam Mt. Joseph Geneva. 545.2 pounds fat at 3 years. Milked 80.8 pounds per day.  
C. A. LADY, Abilene, Kansas

**DAIRY SALE MARCH 8**  
**at Dodge City, Kansas**

at the McKinney and Winter Sale Barn



30 Registered Ayrshire cows and heifers fresh in the last 30 to 40 days. 18 Grade Holstein second-calf heifers just fresh. One Registered Ayrshire bull old enough for service, sired by Woodilee by Burton Barnett imported Scottish bulls.

He has for a dam Woodilee Gift one of the truly good cows in Scotland. Up to date records will be furnished sale day. The Ayrshire cows have some outstanding records. There will also be heifer calves sired by this great Ayrshire bull.

The cattle may be inspected any time at the farm. For catalog and information write:

**RUSSELL REIGEL, Ford, Kansas**

**HOGS**

**HAMPSHIRE Bred Gilt Sale**

at the farm  
**Randolph, Kansas**  
**February 21**  
SALE AT 1 P. M.



50 head of choice registered gilts bred for March and April litters. Also 15 off-marked bred gilts. A few fall boars. Inspection invited.

For catalog write  
**R. E. Bergsten & Sons**  
Randolph, Kansas  
Col. Bert Powell, Auctioneer  
Mike Wilson for Kansas Farmer

**ETHYLEDAL FARM** Improved for type and big litters. Best of breeding. Choice fall boars and fall gilts ready to go.  
DALE SCHEEL  
Emporia, Kan., Rt. 2

**REGISTERED CHESTER WHITE BRED GILT SALE**  
**Friday, February 24**  
AT 1 P. M.

**Marysville, Kansas**  
(MARYSVILLE SALE BARN)  
Selling 30 High Quality Bred Gilts

Write for catalog  
**H. J. HOLLE, Jr., & SON**  
Bremen, Kansas

**SPOTTED POLAND Boars and Gilts**

Choice quality. Easy feeding. Tops from 250 head.  
**Carl Billman**  
Holton, Kansas

**REG. SPOTTED POLAND CHINAS** Choice bred gilts; March and April farrowing. Also fall pigs, either sex. Double immuned. Come and see them. Earl J. & Everett Fieser, Norwich, Kan.

**POLAND CHINA BRED GILTS**

You 4-H's better get one of these good gilts, with a free breeding privilege. Write or come and see them. Also fall pigs.  
**C. R. ROWE & SON**  
SCRANTON, KANSAS



**FOR SALE Duroc Fall Boars and Gilts**

These pigs have done very well, weighing around 160 to 180, of medium type and good red color. Best of breeding. Priced very reasonable. My boars and gilts have topped the two Kansas sales in 1949.  
**CHARLES STUCKMAN, Kirwin, Kan.**



**EXCELLENT DUROC GILTS**

Sired by or bred to Super-Spotlight, Perfect Trend and Lo-Thickmaster. Many bred to Beet's King, 1st prize Jr. Spring Kansas State and Reserve Jr., some to Crusader Ace. These are suitable for herd improvement. Club Projects. High class feeders. Offer wonderful serviceable boars, fall pigs. Registered. Immuned. Guaranteed to please. Prices reasonable. Write, phone, come.  
**G. M. SHEPHERD, Lyons, Kansas**

**DUROC BOARS and GILTS**

Fancy registered Bred Duroc Gilts, unrelated weanling boars, grand champion breeding, uniformly unsurpassed. Probably best raised in nearly 50 years. Immuned. Shipped on approval. Write or come.  
**GRANDVIEW STOCK FARM, Americus, Kan.**

**CHOICE DUROCS**

Choice fall boars and gilts. Good, rugged boars and gilts by Model Promoter and Star King. Buy now and get the best. A few bred gilts.  
**G. F. GERMANN & SON, Manhattan, Kan.**

**SPLENDID DUROC GILTS** bred by Modern Supreme, Nebraska champion boar. Others by Double Sensation, carrying the blood of the Colorado champion boar. These gilts are bred to the top son of He'll Do, a Spot light bred boar. Also top serviceable boars.  
**B. M. HOOK & SON, Silver Lake, Kansas**

**YORKSHIRES** Bacon type hog. Bred Gilts. Open Gilts. Serviceable-age boars. Registered  
**LYLE DOUGHTY, Moran, Kansas**

**Dairy Puzzle**

Dairy scientists of the U. S. Department of Agriculture have 2 sets of facts and figures that present a puzzle they have not yet been able to solve. The generally recognized fact is that milk production in the Southern states averages about 25 per cent less per cow than in Northern states. This lower production in the South has been variously attributed to such conditions as higher temperatures, inferior feeds, less capable management and less desirable heredity.

The second set of facts has arisen from records collected by scientists at Beltsville and at state experiment stations. In this work careful weights and measurements of the various parts of the bodies of dairy cows have been obtained. On the average, southern cows of the same age and breed have thyroid glands which weigh materially less than thyroids from northern cows.

This would suggest that the lower milk production of southern cows may be a result of conditions which alter the activity of the thyroid gland, since it is known that feeding materials containing the substance (thyroxine) secreted by the gland will often increase milk production. It also is known activity of the thyroid gland varies with environmental temperature in some species of animals, and it is possible that heredity and nutrition may likewise alter the activity of this gland.

Dairy scientists and specialists in other fields are studying the relationships of these factors to the activity of the thyroid gland, and relationship of this gland to milk production in an effort to improve the milk production of cows in the Southern states.

**Good Holsteins**

Dunloggin Master De Pabst (G.), owned by R. C. Beezley, Girard, has been named the 102nd Holstein-Friesian Silver Medal Production Sire in the nation by The Holstein-Friesian Association of America.

Silver Medal honors are awarded only to those registered Holstein-Friesian sires which have 50 per cent or more of their tested daughters exceeding by 50 per cent the Advanced Registry requirements for production and showing not less than 3.3 per cent fat in all cases. At least 10 daughters must qualify under these limitations.

A Holstein-Friesian cow, Kanstacol Foremost Helen (G.P.), owned by Kansas State College, has set a state production record. She is the new champion for all of Kansas' full-aged Holsteins, milked twice daily in the Ten-Months' Division, with the production of 613 pounds of butterfat and 14,936 pounds of milk testing 4.1 per cent.

Qualifications for the Ten-Months' Division of the Advanced Registry include special calving requirements, too, in order to place emphasis on reproductive qualities as well as productive ones.

**Increase Storage Space**

Grain-storage space on Kansas farms was increased by 2 million bushels in the last 6 months. Announcement of the increase was made by Emmet Womer, new chairman of the Kansas PMA committee.

The PMA encouraged construction of farm bins by offering loans which covered a major share of initial cost. These loans are available thru next June.

Some 530 loan applications have been received by the PMA from 57 counties since the start of the program. Hamilton county currently leads the state with applications totaling 255,000 bushels of farm-storage space.

**Good Cow Feed**

Ranking about 13th nationally in total dairy cattle and total milk production, dairying contributes an important amount to the income of Kansas farmers. Recognizing this, Kansas State College in the last half-century has directed a considerable amount of research toward dairy cattle feeding and nutrition.

Experimenters at the College were among the first to show that ground kafir is equal to ground corn in the ration of dairy cows. It also was shown that grinding the seed greatly increases its utilization.

**POLAND CHINA BOARS**

Fall Boars for Sale  
**HARRIS E. RAMSOUR, Alta Vista, Kansas**

**HEART OF AMERICA SPRING SHOW AND SALE**

**Kansas City, Missouri**

**American Royal Building**

**Show 9 A. M. — Sale 1 P. M.**

**Thursday, March 9**



**80 LOTS — 45 BULLS AND 35 FEMALES**

Bulls mostly service age. Females will consist of Bred Cows, Bred Heifers, Open Heifers. Popular bloodlines.

**30 CONSIGNORS OF ABERDEEN-ANGUS from Missouri, Kansas and Illinois**

The consignors are John Bancroft, Chilhowee, Mo.; L. O. Barnes, Warrensburg, Mo.; L. S. Beck, Smithville, Mo.; George Bunting, Overland Park, Kan.; Glenn & Virginia Chappell, Green Castle, Mo.; C. M. Coover, Ulrich, Mo.; Roy Courtney, Stewartville, Mo.; George DeHaven, Liberty, Mo.; Dr. & Mrs. J. S. Denslow, Kirksville, Mo.; Charles & Elizabeth Eaton, Quincy, Ill.; Frank Eitel & Son, Green Castle, Mo.; John Epple, Columbia, Mo.; S. E. Fifield, Olathe, Kan.; Raymond George, Fayette, Mo.; Gilmore & Fritch, Highland, Kan.; Ward Gilmore, Highland, Kan.; A. J. Gorges, Fall River, Kan.; M. E. & H. V. Harrison, Mountain Grove, Mo.; Hal T. Hooker, Maryville, Mo.; Alice Koontz, Ottawa, Kan.; Roy Koontz, Ottawa, Kan.; Walter B. McCray, Cowgill, Mo.; Mrs. Wilmer Perkins & Son, New Franklin, Mo.; Dan Roberts, Boonville, Mo.; Paul Shultz, Rosendale, Mo.; Thomas W. Staley, Liberty, Mo.; C. H. Thompson, Hatfield, Mo.; L. C. Thornton, Maysville, Mo.; L. M. Thornton, Garden City, Mo.; Karl Zimmerman & Son, Maryville, Mo.

Hotel reservations or catalog requests should be made to **GEORGE W. DeHAVEN, 526 Law Bldg., Kansas City 6, Mo., Secretary of the HEART OF AMERICA ABERDEEN-ANGUS BREEDERS' ASSN.** Auctioneer: Roy G. Johnston, Belton, Mo. Donald J. Bowman with this publication

**BUY MISSOURI SHORTHORNS**

**Monday, March 13**

**40 Bulls and 25 Females Sell in the Missouri Shorthorn Breeders' Sale, Fraley Sales Pavilion**

**Chillicothe, Mo.**



22 breeders are consigning to this sale. This is the best lot of bulls and females ever assembled for a Missouri State sale. Nearly all the bulls are ready for heavy service, and the females include several cows with calves at foot and bred and open heifers. For catalog and other information address **MERVIN F. AEGERTER, Sales Manager, Seward, Nebraska**

**KANSAS STATE SPOTTED POLAND CHINA BREEDERS' ASSOCIATION SHOW AND SALE**

**Monday, February 27, at Marysville, Kan.**

Breeding Sale Barn

**SHOW AT 10 A. M. — SALE AT 1 P. M.**

**44 Head. Well bred and carefully selected from the following Kansas herds:**

**CONSIGNORS:**

- |                               |                            |
|-------------------------------|----------------------------|
| WALTER ROTHE, Ness City       | KENNETH WANKLYN, Frankfort |
| WAYNE DAVIS, Mahaska          | W. F. WELLS, Americus      |
| H. J. McKEEVER, Mahaska       | JOHN ROGERS, Clay Center   |
| ROY G. KELLER, Berryton       | FIESER BROTHERS, Norwich   |
| HENRY A. SHIPLEY, Lebanon     | CARL BILLMAN, Holton       |
| GLEN TAWNEY, Ogallah          | D. F. BLANKE, Bremen       |
| GEORGE J. STOKS, Waterville   | RANDALL TUCKER, Codell     |
| J. V. CUNDIFF, Talmage        | DALE KONKEL, Haviland      |
| JOE F. HEIFMAN, Balleysville  | W. F. FIERKING, Herkimer   |
| MARTIN BLANKE, Bremen         | EDWARD PACHTA, Belleville  |
| HOWARD WHITEFIELD, Arlington  | GLEN HALL, Axtell          |
| MRS. MIDA JOHNSON, Belleville | A. OWEN HOLLIDAY, Wichita  |
| WILLIAM HINZ, Ethingam        | H. E. HOLLIDAY, Richland   |

\$300.00 in premium money will be paid to prize winners by the NATIONAL SPOTTED POLAND CHINA BREEDERS' ASSOCIATION. For catalog and information write H. E. Holliday, Sec., Richland, Kan., or D. F. Blanke, Sales Manager, Bremen, Kan.

**NORTH CENTRAL KANSAS**

**DUROC SHOW AND SALE**

SALE SPONSORED BY NCK DUROC ASSN.

**Saturday, February 25th**

**Belleville, Kansas**

Fairgrounds

**45 BRED GILTS and 20 FALL BOARS and GILTS from 23 CONSIGNORS**

Show at 10:00 A. M. — Wayne L. Davis, Mahaska, Judge

Sale at 1:00 P. M. — Col. Bert Powell, Auctioneer

For sale catalog write MORELY & WREATH, Sale Mgrs., Belleville, Kan.

**Sunny Brook Farm 3rd Annual Sale**

**SPOTTED POLAND CHINA BRED SOWS and GILTS**

**Friday, February 24**

**Richland, Kansas**

at the farm 17 miles southeast of Topeka  
SALE UNDER COVER ON ALL-WEATHER ROAD

**50 HEAD — 45 Bred Gilts, 5 Fall Boars**

For catalog and particulars write H. E. HOLLIDAY, Richland, Kansas, or HERBERT HOLLIDAY, Berryton, Kansas



# FEBRUARY 25, 1950

SALE STARTS AT 1:00 P. M. - Note This Is Saturday

## CK HEREFORD AUCTION SALE

**AGAIN  
In 1950**

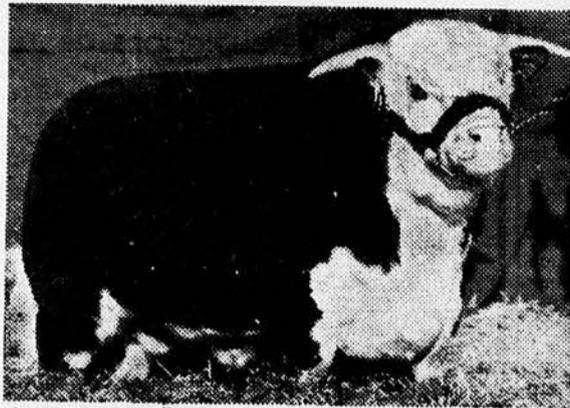
At Denver  
National Show

CK Yearling Bulls  
RESERVE  
CHAMPION

CK Senior Calves  
2nd IN CLASS

**35 Bulls**

All Top Sire  
Prospects Sell



CK CRUSTY II . . . Grand Champion Bull Denver

**35  
Bred  
Heifers**

Many bred to  
**CK CRUSTY II**  
The Popular  
Champion at  
Denver

Others Bred to  
Our Top Sires

CK Bloodlines are the popular bloodlines—more breeders, every year, are coming to CK for foundation stock. This sale is outstanding in quality.

**HEATED  
PAVILION  
ALL PAVED  
ROADS**

# CK RANCH

18 Miles West of Salina on Highway 40  
**Brookville, Kansas**

**WRITE  
FOR  
CATALOG**

**Prince Sunbeam 328th** **Prince Sunbeam 105th** **Quality Prince of Sunbeam**  
Dam—QUEEN 76th of SUNBEAM Dam—QUEEN PEERESS S. B. Dam—QUEEN 24th of SUNBEAM

## BEEFMAKER 107th 928889

Calved April 14, 1946

Sire:  
**BEEFMAKER 34th**  
767266

Dam:  
**QUEEN 63d of SUNBEAM**  
569512

Ever Prince of Sunbeam 567027	Black Prince of Sunbeam 504521	Black Peer of St. Albans Pride 17th of Sunbeam
Black Rose 7th of Sunbeam 569517	Eraline E. of Sunbeam 486149	Elban of Sunbeam Eraline E. 4th
Quality Sunbeam 2d 447499	Eolide Revolution 522497	Glen. Revolution 6th Edna M. 15th
Queen 45th of Sunbeam 501751	Black Rose 3d of Sunbeam 503217	Elmore Harrison 2d Black Rose 2d of Sunbeam
	Playman of Sunbeam 338509	Plowman 221051 Elmland Jessie 2d
	Martha of Loans Dell 295931	Kenyon 146157 Queen Norton
	Ballinalloch G. of Sunbeam 407789	Eberfield 2d 390839 Georgina Brown
	Queen 25th of Sunbeam 443155	Playman of Sunbeam . . . Glen Avon Queen 2d

**Featuring the BEEFMAKER SALE Wed., March 8th, 1950**

We offer this Breeding Bull—His Dam QUEEN 63d of SUNBEAM, precisely the same Cow Family as above listed three rather well advertised famous Bulls, established in the top flight. BEEFMAKER 107th has never been used in heavy service. He is a proven sire; in his prime; sound and ready for heavy service.

**Selling:**

**23 BULLS  
30 HEIFERS**

both bred and open

**Top Quality Aberdeen-  
Angus Breeding Cattle**

**Consigned by:**

Lloyd Ericson  
Harold Esau  
L. R. Goodin & Son  
McCurry Bros.

Walter McCurry  
C. E. Reed  
Carl Schmidt & Co.  
A. W. Soderberg

Falling Water Angus Farm

This is the best group of bulls we ever had to offer in our sales. The females could be added to any herd with pride—they are good.

**We breed the cattle in our sales—  
We are not jobbers.**

**Write for a catalog. Plan to attend the Sale.**

**C. E. REED**

4114 E. Central Ave.  
Tel. No. 68313 Residence; No. 53868 Farm

**Wichita 6, Kansas**

**Livestock Advertising Rates**  
1/4 Column inch (5 lines) . . . \$3.00 per issue  
1 Column inch . . . . . 8.40 per issue  
The ad costing \$3.00 is the smallest accepted.  
Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.  
**MIKE WILSON, Livestock Editor**  
912 Kansas Avenue  
Kansas Farmer Topeka, Kansas

**March 4  
Will Be Our Next Issue**  
Ads for the Classified and Livestock Section must be in our hands by  
**Friday, February 24**  
If you are late with your ad, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

**Little Ads Bring  
Big Results**  
in Kansas Farmer—Classified Department. Only 10c a word, per issue—12 words minimum.

### Public Sales of Livestock

**Aberdeen-Angus Cattle**  
March 6—Penney & James, Hamilton, Mo. J. B. McCorkie, Sale Manager, Columbus, O.  
March 8—C. E. Reed Production Sale, Wichita, Kan.  
March 9—Heart of America Association, Kansas City, Mo. G. W. DeHaven, Jr., Secretary, 524 Law Bldg., Kansas City, Mo.  
March 21—U. S. Center Angus Association, Smith Center, Kan. Leonard Patman, Secretary.  
April 5—Southeast Kansas Aberdeen-Angus Breeders' Association, Clarence Ericson, Sale Manager, Savonburg, Kan.  
April 11—Mid-Kansas Breeders Sale, Hutchinson, Kan.  
April 14—South Central Nebraska Angus Breeders Association, Hebron, Neb. Harold Logan, Sale Manager, Diller, Neb.  
May 9—Sunflower Farms, Swartz Brothers, Everest, Kan.  
May 10—Krotz Stock Farms, Odell, Nebr. Sale at Marysville, Kan.

**Guernsey Cattle**  
March 30—Fred Shamberger, Graham, Mo.  
April 24—Missouri Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, University of Missouri, Columbia, Mo.

**Hereford Cattle**  
February 25—CK Ranch, Brookville, Kan.  
February 27—Round-Up Sale, Kansas City, Mo. American Hereford Association, Managers, Kansas City, Mo.  
March 3—Republican Valley Hereford Association, Red Cloud, Nebr.  
March 6—Marshall County Hereford Association, Marysville, Kan. Elmer L. Peterson, Secretary, Marysville, Kan.  
March 15—Davisdale Farms, Boonville, Mo.  
March 22—C. M. Sheehy, Richards, Mo. (Sale, Nevada, Mo.)  
April 4—North Central Missouri Association, Chillicothe, Mo. Lora Ashlock, Secretary, Chillicothe, Mo.  
April 20—Sutor Hereford Ranch, Zurich, Kan.  
April 21—Fritz Krebs, Olathe, Kan.  
December 8—South Central Sale, Newton, Kan. Phil H. Adrian, Moundridge, Kan.

**Holstein Cattle**  
March 13—Tulsa Holstein Classic Sale, Tulsa, Okla. Bob Adams, Sale Manager, Broken Arrow, Okla.  
October 23—Central Kansas Holstein Breeders Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.  
November 2—Kansas State Holstein Sale, Herington, Kan. Raymond Bollman, Edna, Kan., Chairman of State Sale Committee.

**Shorthorn Cattle**  
March 13—Missouri State Shorthorn Breeders' Association Show and Sale, Chillicothe, Mo. Mervin F. Aegerter, Sale Manager, Seward, Nebr.  
April 8—Nebraska Shorthorn and Polled Shorthorn Sale, Thos. Andrews, Sale Manager, Cambridge, Nebr.  
April 11—Nebraska-Kansas Shorthorn and Polled Shorthorn Breeders' Sale, Superior, Nebr. Mervin F. Aegerter, Sale Manager, Seward, Nebr.  
April 12—Mid-Kansas Shorthorn Breeders Sale, Salina, Kan.  
October 26—North Central Kansas Shorthorn Breeders Association, Edwin Hedstrom, Secretary, Mankato.

**Milking Shorthorn Cattle**  
April 11—Floyd O. Revert, Forgan, Okla. Roy Pauli, Sale Manager, Broken Arrow, Okla.  
April 25—National Sale, Springfield, Mo. W. J. Hardy, Secretary, American Milking Shorthorn Society, 4122 South Union Ave., Chicago, Ill.

**Polled Shorthorn Cattle**  
April 6—Kansas and Oklahoma Sale, Buffalo, Okla.

**Berkshire Hogs**  
February 20—Kansas Berkshire Association, Wichita, Kan. George D. Carpenter, Secretary, Clay Center, Kan.

**Chester White Hogs**  
February 24—H. Holle, Bremen, Kansas. Sale at Marysville, Kan.

**Duroc Hogs**  
February 25—North Central Kansas Duroc Sale, Belleville, Kan. Dr. George Wreath, Sale Manager, Belleville.  
March 22—C. M. Sheehy, Richards, Mo. (Sale, Nevada, Mo.)

**Hampshire Hogs**  
February 20—O'Bryan Ranch, Hattville, Kan.  
February 21—R. E. Bergsten & Sons, Randolph, Kan.

**Hereford Hogs**  
February 18—Kansas Hereford Hog Sale, Fair Grounds, Hutchinson, Kan. Milt Haag, Sale Manager, Holton, Kan.  
February 23—H. G. Hereford Farms, Howard Grover, Colby, Kan.

**O I C Hogs**  
February 22—Kansas O I C Swine Breeders' Association, Salina, Kan. Vernon Zimmermann, Secretary, Inman, Kan.

**Spotted Poland China Hogs**  
February 24—H. E. Holliday, at the farm, Richland, Kan.  
February 27—Kansas Spotted Poland China Breeders' Association Sale, Marysville, Kan. H. E. Holliday, Secretary, Richland, Kan.

**Hampshire Sheep**  
June 5—North American Hampshire Sale, Oskaloosa, Ia. North American Sheep Breeders' Managers, Oskaloosa, Ia.

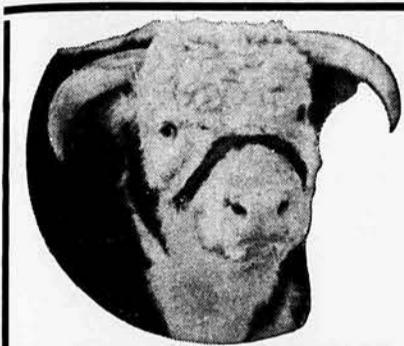
**Suffolk Sheep**  
June 5—North American Suffolk Sale, Oskaloosa, Ia. North American Sheep Breeders' Managers, Oskaloosa, Ia.

**Sheep—All Breeds**  
June 23-24—Midwest Stud Ram Show and Sedalia, Mo. Rollo E. Singleton, Ma Jefferson City, Mo., care of State Dr Agriculture.

**Trend of the Market**  
Please remember that prices here are Kansas City tops for quality offered:

	Week Ago	Month Ago	Yr Ago
Steers, Fed . . . . .	\$28.00	\$28.50	\$25.75
Hogs . . . . .	17.60	16.75	20.70
Lambs . . . . .	24.50	23.50	23.00
Hens, 4 to 5 lbs. . . . .	.21	.19	.30
Eggs, Standards . . . . .	.29 1/2	.30	.40 1/2
Butterfat, No. 1 . . . . .	.55	.55	.58
Wheat, No. 2, Hard . . . . .	2.24	2.26 1/2	2.23 1/2
Corn, No. 2, Yellow . . . . .	1.29	1.24	1.37 1/2
Oats, No. 2, White . . . . .	.82 1/2	.80 1/2	.86 1/2
Barley, No. 2 . . . . .	1.12	1.14	1.27
Alfalfa, No. 1 . . . . .	27.00	32.00	30.00
Prairie, No. 1 . . . . .	14.00	14.00	18.00

# FOR RELIABLE HEREFORDS COME TO MARYSVILLE



**8 HEAD TO THE Marshall County HEREFORD SALE**  
**March 6th at Marysville**  
 2 open heifers sired by CK Colonel D 34th. 2 daughters of the 34th bred. 1 bred to CK Crusty 3rd a half-brother to the 1950 Denver grand champion bull. Also a half-brother to the HG Hereford Farms \$10,000 bull. 1 bred to CK Baca Royal 23rd. The 23rd is sired by CK Baca Royal. 4 good thick husky senior yearling bulls by CK Colonel D 34th.

ELMER E. PETERSON & SON, Marysville, Kansas

## MARSHALL COUNTY HEREFORD ASSN. ANNUAL SPRING SALE



Monday  
**March 6, 1950**  
 at  
**Marysville, Kan.**

Sale to be held in A. L. Breeding's modern heated sale pavilion, one half mile west of Marysville, Kansas.

Sale to be held at 12:30 P.M.  
**55 Bulls - 21 Females**

### CONSIGNED BY

- |                                    |                                  |
|------------------------------------|----------------------------------|
| Don Breeding, Herkimer             | Elmer Peterson & Son, Marysville |
| Gerhardt Dettke, Marysville (Pld.) | Edw. J. Sedlacek, Marysville     |
| Waldemar Hanke, Waterville         | Sedlacek Bros., Bremen           |
| Alfred Hawke Est., Irving          | Jos. F. Sedlacek, Frankfort      |
| Leinweber Bros., Frankfort         | Harold Stump, Blue Rapids        |
| Robert Mayer, Marysville           | Donald M. Baker, Marietta        |
| C. M. Newman & Son, Axtell (Pld.)  | R. C. Barclay, Marietta          |
| Fred Osterkamp, Waterville         |                                  |

The best bloodlines of both horned and polled breeding will be represented in this offering. Most of the bulls are of serviceable age with some young prospects. The females include open and bred heifers. These make up a good lot of Herefords of desirable ages, breeding and individuality.

For catalogs write Elmer E. Peterson, Sec., Marysville, Kan.

### Marshall County Hereford Association

Freddie Chandler, Auctioneer      Mike Wilson for Kansas Farmer

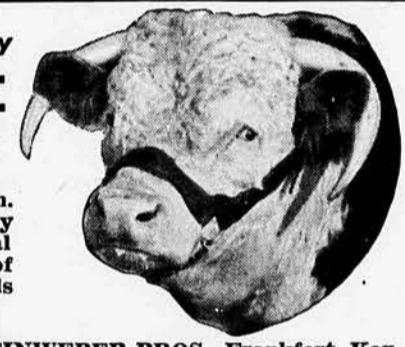
## 8 HEAD TO THE MARSHALL COUNTY HEREFORD SALE



**8 HEAD TO THE MARSHALL COUNTY HEREFORD SALE**  
**March 6th at Marysville**  
 6 good bulls. Good individuals and very well bred. Sired by WHR Sufficiency 17th. 1 open heifer also by the 17th. 1 bred heifer, a daughter of the 17th bred to S. H. Baca Royal. He by CK Baca Royal. This offering should please the most critical buyer. Many 4-H Club members have purchased calves from this herd that have gone out and done the job. They have stood very high in some of the top shows and have sold among the tops of the country.

SPRING HILL FARM, Harold Stump, Blue Rapids, Kansas

## 8 BULLS TO THE Marshall County HEREFORD SALE



**8 BULLS TO THE Marshall County HEREFORD SALE**  
**March 6th at Marysville**  
 6 yearling sons of Super Lad the 9th. 2 bulls sired by Premier Royal 12th by Royal Domino 3rd by WHR Royal Domino 5th a very high register of merit sire. The dams of these bulls trace directly to Domino C. 25th.

For good breeding stock come to LEINWEBER BROS., Frankfort, Kan.

## 4 BULLS TO THE MARSHALL COUNTY HEREFORD SALE



**4 BULLS TO THE MARSHALL COUNTY HEREFORD SALE**  
**March 6th at Marysville**  
 C. M. N. Rollo Domino calved February 1, 1948. Sired by E. E. R. 12th. Lt. Domino 1st calved January 3, 1949. Lt. Domino 4th calved February 28, 1949. Lt. Domino 7th calved March 23, 1949. These 3 bulls are sired by Major L. Domino 14th. The dams trace to Hondine, a great bull in the Cowgill herd of Milan, Missouri. Our herd is rather small but the quality of our cattle is high. Visit the ranch any time.

DR. C. M. NEWMAN & SON, Axtell, Kansas

## 12 HEAD TO THE MARSHALL COUNTY HEREFORD SALE



**12 HEAD TO THE MARSHALL COUNTY HEREFORD SALE**  
**March 6th at Marysville**  
**TOOTLE HEREFORDS**  
 8 low down, deep, thick bulls. Ready for service. Sired by H Tone T by Tone T 44th he by Hazford Tone 76th a register of merit sire. Also 4 well marked, deep bodied, thick heifers by H Tone T. The dams of these cattle are mostly by Beau Beauty 66th and he by Beau Promino 25th.

For good Herefords come to  
**TOOTLE HEREFORD RANCH**  
 DON BREEDING, Owner, Herkimer, Kan.

## 3 HEAD TO THE Marshall County HEREFORD SALE



**3 HEAD TO THE Marshall County HEREFORD SALE**  
**March 6th at Marysville**  
 2 bulls yearlings, sired by CK Captor 15th by CK Crusader 7th. 1 yearling heifer by the same sire. These cattle are all out of CK bred dams, very strong in the blood of CK Challenger 6th.

Waldemar (Wally) Handke, Waterville, Kansas

## 2 Bulls to the Marshall County HEREFORD SALE



**2 Bulls to the Marshall County HEREFORD SALE**  
**March 6th at Marysville**  
 1 coming 2-year-old bull. A double grandson of PVF Advance Worth 2nd. He is a good big straight line rugged bull ready for hard service. 1 very typy yearling son of Pawnee Domino 40th by Pawnee Domstien 8th who was from the Walbert Ravenstien herd.

GERHARDT DETTKE, Marysville, Kansas

## BUY U. S. SAVINGS BONDS TODAY

## 4 Head to the Marshall County HEREFORD SALE



**4 Head to the Marshall County HEREFORD SALE**  
**March 6th at Marysville**  
 1 senior yearling and 1 junior yearling son of CK Challenger D. 59th. 2 daughters of the 59th bred to M. H. Royal Tredway 97th. He by WHR Royal Tredway 8th. These 2 good heifers will calve around April 1st. They are the good typy breedy kind.

FRED OSTERKAMP, Waterville, Kansas

## Republican Valley Hereford Association FOURTH ANNUAL SALE

Red Cloud, Nebr., March 3, 1950  
 CONSIGNORS:  
 Dallas Mattison, Red Cloud, Nebr.  
 Elvin Pritts, Bostwick, Nebr.  
 Desco Lovejoy, Inavale, Nebr.  
 Dallas Thomas, Esbon, Kan.  
 J. O. Lambrecht, Inavale, Nebr.  
 R. E. Johnson, Red Cloud, Nebr.  
 Larry Billenwillms, Burr Oak, Kan.  
 Ralph Billenwillms, Burr Oak, Kan.  
 W. E. Lambrecht & Son, Inavale, Nebr.  
 J. L. Grandstaff, Bladen, Nebr.  
 A. R. Madsen & Sons, Minden, Nebr.  
 George H. Meyers & Son, Wilcox, Nebr.  
 Milton Lutz, Bladen, Nebr.  
 Edgar S. Cox & Sons, Guide Rock, Nebr.  
 Marvin J. Nelssen, Smith Center, Kan.  
 Norbert Borwege, Roseland, Nebr.  
 J. S. Ford, Beaver City, Nebr.  
 Richard Larrick, Bladen, Nebr.  
 Carol Lindgren, Bladen, Nebr.  
 Chas. Kort, Blue Hill, Nebr.  
 Gilbert Kort, Blue Hill, Nebr.  
 Robert Kinley & Sons, Bladen, Nebr.  
 Charles Short, Burr Oak, Kan.  
 Boyd Korb, Burr Oak, Kan.  
 W. A. Reed, Guide Rock, Nebr.  
 G. E. Reed, Guide Rock, Nebr.  
 Edgar Choquette, Campbell, Nebr.  
 M. E. Cadwallader Jr., Oxford, Nebr.

55 Bulls - 20 Females

The greatest opportunity you ever had to improve your herd or start a new one. The consignment represents the most desirable bloodlines from the finest herds in South Central Nebraska and North Central Kansas. We invite you to write today to Engaard E. Lynn, sale manager, Red Cloud, Nebraska, and see what we have to offer. The sale begins promptly at 1:00 P. M.

### Republican Valley Hereford Breeders' Assn.

Charles Corkle, Auctioneer      Engaard Lynn, Manager, Red Cloud, Nebr.

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 MAR 21 1950  
 STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE  
 KANSAS



# FARM NEWS-GRAPHIC

A picture review of successful farming brought to you by the Standard Oil Company



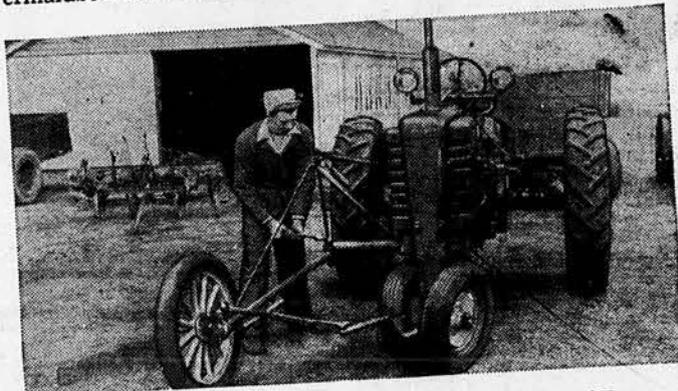
**"College Degree" for a bull?** Certainly, if you consider the distinction of being exhibited by Kansas State College at state fairs entitles "Gregg Farms Hoarfrost" to that honor. The fine shorthorn is shown with his owner and breeder, D. M. Gregg of Harrisonville, Missouri, a director of the American Shorthorn Association. Mr. Gregg farms 1,080 acres in Cass County and has been a Standard Oil customer for 30 years. He relies on Standard Red Crown Gasoline and Permalube Motor Oil for power and lubrication. They're "purebred" too, he says.



**Ten thousand feet!** Inspecting the hooves of 2,500 sheep is quite a chore at Meadow Lark Farms, near Campbell Hill, Illinois, but that's necessary for the profitable care of the huge flock, says Keith Thompson, farm manager. He's seen on the 4,300-acre farm doing a manicuring job on one of the sheep. Just as necessary for profit, says Mr. Thompson, are the best care and economical operation of farm equipment. For those jobs Permalube Motor Oil and Standard Red Crown are his choices.



**Bumpus' crop!** "Before a bale conveyor that suited me was invented, I designed and built this one," says Earl Bumpus of Arcola, Illinois. "It saves two men's work at haying time. And speaking of saving time, I'm sure glad gasoline and motor oil were available before I started farming these 490 acres. Otherwise my two boys and I would need more hands," he added, in speaking of Standard Red Crown Gasoline and Permalube Motor Oil which he has used for years. He is shown running the conveyor with one of his sons.



**Tractor furrow guide,** pictured above, is the invention of Bernard D. Laue of Kearney, Nebraska, who says the device keeps the tractor in the furrow and eliminates most of the work involved in steering. He and his father, Sam Laue, work 600 acres of their 1,000-acre farm. They've used Standard Red Crown Gasoline for years, and declare it cuts fuel costs and gives top performance.



**His hobby, horses!** Chester Umholts of Earl Park, Indiana, took blue ribbons for the performances of his fine Belgian team at the Illinois, Indiana, and Ohio state fairs, and reserve award at the National Belgian Show. Mr. Umholts raises certified corn, oats, and soybeans for seed on his 720-acre farm. "Blue ribbons should go to Standard Heater Oil, too," he said, as he put his team through some fancy hitches.

*Your Standard Oil Man*

