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# Kansas Farmer

CONTINUING MAIL & BREEZE

JUNE 4, 1949



These Building Ideas May Help You

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# WEED-NO-MORE BOOSTED YIELDS -SAVED LABOR



## "LOOK AT THIS GRAIN—NEARLY LOST IT"

"I WAS about to disc up this field and plant corn until I decided to try Weed-No-More," says Roy Lebold of Zoarville, Ohio. This story of how weeds threatened to ruin a crop is

typical of many that are reported. Weed-No-More moves right in on the weeds—even the hard-to-kill kind, but when applied according to directions is perfectly safe on the crops.

## WEED-NO-MORE great for many crops!

**SMALL GRAINS**—Weeds rob growing grain of water, fertility, sunlight. Control them safely, easily, inexpensively with Agricultural Weed-No-More. You'll get more bushels per acre of grain that grades higher!

**FLAX**—Annual weeds in flax can now be controlled with Agricultural Weed-No-More. Wide-scale successful spraying of flax in 1948 showed increased yields up to 20%.

**PASTURES**—Spraying is quicker than clipping. And Agricultural Weed-No-More kills weeds, roots and all—without harming livestock, grasses or resistant legumes. Weed-No-More gives your pastures greater grazing capacity!

**GRASS SEED CROPS**—Keep your grass seed free of weed seed. Use Agricultural Weed-No-More to kill weeds that would contaminate your grass seed crops.

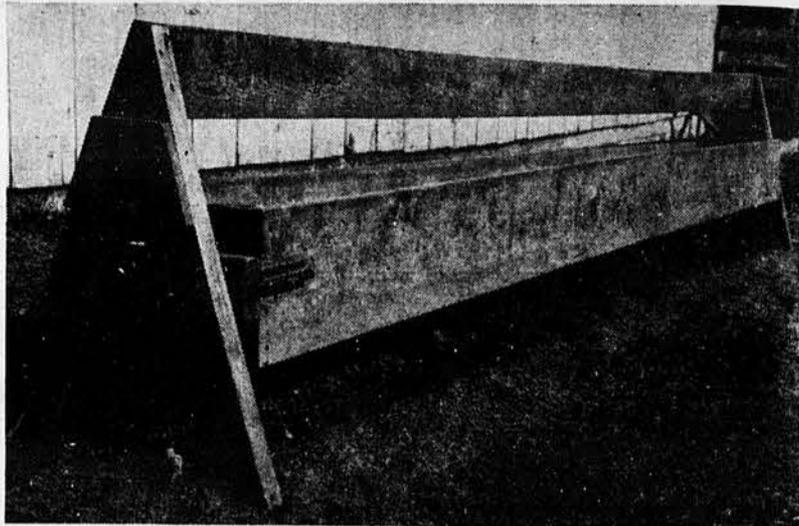


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## Easy-to-Clean Feeders



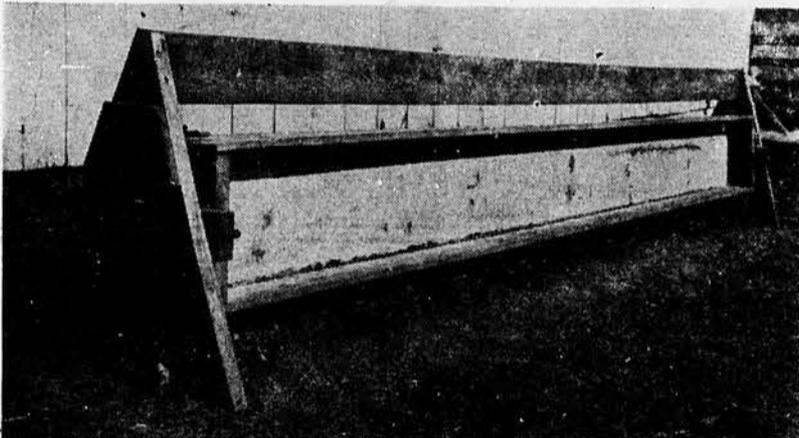
Here is a revolving sheep feeder that cleans itself. It is used on the Kay Ranch in Miami county, and is shown here locked in feeding position by a door bolt at the near end.

**DO YOU** hate to clean out the sheep feeders? If you do, you might like the self-cleaning bunks used at the Kay Ranch, in Miami county.

These feeders have a top and bottom trough, made by centering a 2 by 12 the length of two 1 by 10 sides. The feeders then are supported to the triangle ends by means of 1/2-inch leg screws in sockets. Two door bolts, one at each

end of the trough on opposite sides, lock the trough in place. When one trough is dirty, filled with snow or other debris, the bolts can be slid back and the trough revolved on its axis to bring up the clean side.

Jim Pickering, a former member of the ranch, designed the feeders which have worked very well. Any farmer could make his own feeders like these.



When the trough gets dirty it can be revolved on its axis to bring up the clean side. In this picture, the feeder is shown turned half way over.

## Buying U. S. Bonds Important as Land

**KANSAS** farmers are being offered a chance to increase their "stake" in the financial security of this country. The opportunity is being offered thru the United States Savings Bonds Opportunity Drive, which ends June 30. Farmers already own some 5 billion dollars' worth of U. S. Savings Bonds.

"A financial reserve in U. S. Savings Bonds is just as important a part of a well-managed farm or ranch business as is land, livestock, and machinery," states Dean W. I. Myers, of Cornell, chairman of the National Agricultural Savings Bonds committee.

What advantages does ownership of Savings Bonds offer to you and me? We get some of the interest paid on the national debt; Savings Bonds pay a good rate of interest consistent with safety. An E Bond held to maturity pays 3 1/2 per cent simple or 2.9 per cent compound interest. Repayment is certain because the Bonds are backed by the full credit of the U. S. We can buy Savings Bonds in convenient denominations and as often as we have the cash to invest. We don't have to pay a commission to get them. If we run into an emergency we can cash all or part of our Bonds. The cash value is fixed and does not go up and down with market prices.

### Hen Helps

Laying hens have a special feed problem during the warm summer months. Feeding wet mash or pellets at noon each day stimulates mash consumption and indirectly helps keep layers in heavy production, says C. L. Gish, poultry husbandryman of Kansas State College. An ample supply of fresh, cool

water and plenty of shade also are helpful in maintaining hen comfort.

### Hunt Feather Use

A total of 100 million pounds of feathers is wasted annually in the U. S., say USDA research men. Knowledge of this annual loss has led to a special study project to see what use can be made of this huge tonnage.

### Senator Capper on Radio

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

## KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

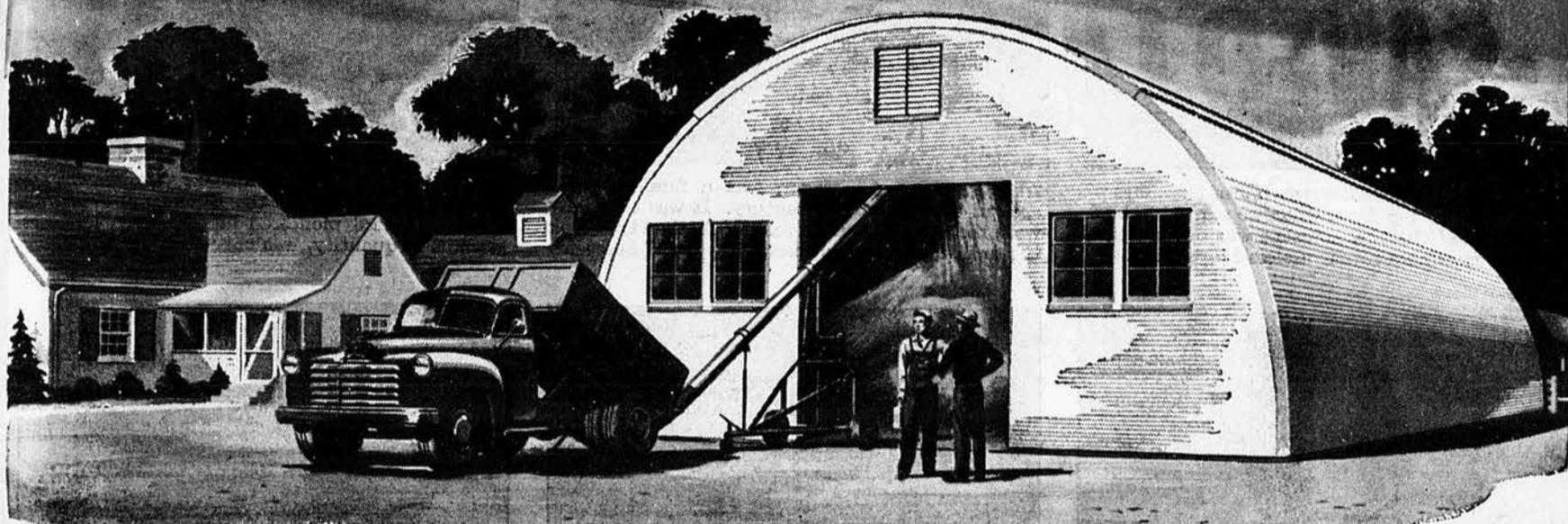
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# STORE WHEAT *RIGHT* RIGHT ON YOUR FARM



Colby, Kansas  
December 10, 1948

Northwest Distributing Co.  
Colby, Kansas

Dear Sirs:

How do I like my Quonset?

My third wheat crop is in storage now, and I am not one bit worried about it spoiling from moisture leakage or from loss due to breakage as has happened to some of my neighbors with other type structures.

I think you know what my cost per bushel is, approximately 20 cents, and I have probably spent more than was absolutely necessary, but I did want the extra margin of safety. Even at this cost I have my storage at a lower price than any other type structure I have been able to find.

It is the best building I have seen.

Yours truly,  
FRED CARPENTER

## STRAN-STEEL QUONSETS

### CUT COSTS - BOOST PROFITS

There's a lot to be read between the lines of Mr. Carpenter's letter reproduced here. The letter itself tells of the exceptionally low cost per bushel of his Quonset wheat storage building . . . lower, in fact, than any other storage structure he has been able to find. The letter points out his complete freedom from worry about loss due to spoilage or breakage. Confidence in the all 'round safety built into every Quonset is a plus feature you get with your purchase of each Quonset building.

When you safeguard your wheat in your own Quonset on your own farm, you save expensive hauling and storage costs—and you reap extra profits by being able to control the marketing of your crop. And the value of your Quonset continues even after your wheat is sold. For, during the off-season, it is ideal for general storage and livestock housing.

You probably have seen Quonsets in your own locality, housing grain, livestock or farm equipment. Now, to get the facts on the *new* Quonsets—improved in design, construction, and appearance—see your nearest Quonset dealer or write—

## GREAT LAKES STEEL CORPORATION

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For painting old or new Quonsets, use Quon-Kote, the one-coat paint developed especially for Quonsets by the Sherwin-Williams Company. It's long-lasting, economical, easy to apply.



**MAYBE YOUR GRANDMOTHER** was one of the ladies we met in the oil lamp days, when we started in business. In the 'Nineties, kerosene was our principal product, gasoline a rather useless by-product.



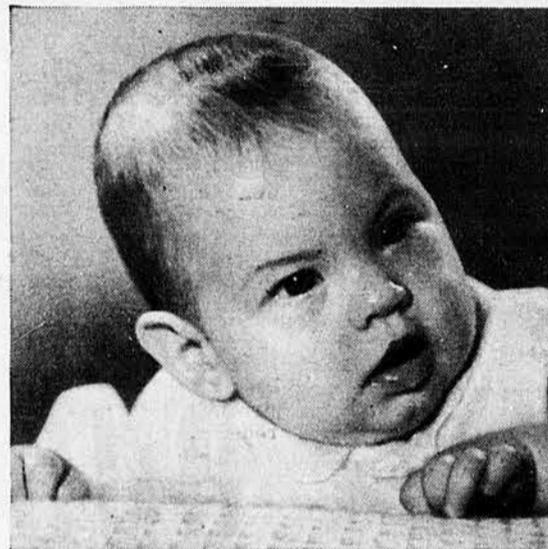
**THE STANDARD OIL** wagon was a familiar sight around the turn of the century. It was especially welcome after we found a refining method that took the sulfur smell out of certain types of kerosene.



**WHEN THIS CAR** was new, in 1912, gasoline was becoming important—but the Burton process, with which Standard pioneered high quality, low cost gasoline in quantity, was not yet in operation.



**WE FIRST MET DAN WITMER** when he went to work for us in 1923. Now retired, he receives a monthly check for life under Standard's employee retirement plan. We began retirement payments in 1903.



**WE MET MARIANNE LEWIS** when her father received a check that covered a good part of the expense of her birth. Mr. Lewis works for us, you see, and participates in a fine, broad employee benefit program.



**HERE'S THE MAN** who grows food for you, and the tractor that makes it possible for him to feed you so well. Working for you, America's tractors use vast quantities of fuel and lubricants.

# SOME PEOPLE WE'VE KNOWN IN OUR FIRST 60 YEARS

● As Standard Oil celebrates its sixtieth birthday this month, we are thinking with gratitude of the people we've known.

Among them are all the employees of this company and its subsidiary companies—drillers, transportation workers, refiners and marketers. They now number 48,000 men and women—an integrated team, working together efficiently to bring you quality petroleum products at economical prices.

We're thinking of the 97,000 present owners of Standard Oil, and the many thousands of independent service station operators who now handle our products.

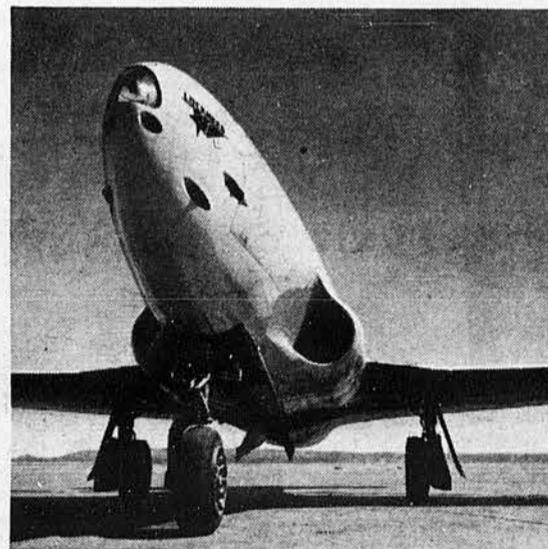
And we're thinking of our millions of customers whose demand has grown and kept us growing through the years.

To all these people—to you—we say, "Thanks for the memories of our first sixty years."

**STANDARD OIL COMPANY**  
(INDIANA)



**THIS DIESEL LOCOMOTIVE** is one of many that vastly improve the service offered you by railroads—and helped cause a 198% jump in Diesel oil use since 1941. Home heating fuel oil use rose 76%.



**WE HELPED MEET THE SERVICES' needs** in war, and now supply the needs of defense. In war, military and essential civilian demand must be met, so the cost of new facilities is an investment in national security.



**WHEN YOU DRIVE** in to one of the many thousands of stations at which independent business men sell our products, you're a welcome friend. If we satisfy you we will celebrate many more happy birthdays.

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# Wheat Has Plenty of Troubles

But Kansas Farms Will Need Considerable  
New Storage Space This Year

By DICK MANN



Another bumper crop of wheat is expected in Kansas this year—perhaps the second- or third-largest on record—where to put it will be a problem.

THE annual spring sport of killing the wheat crop is in full swing. But don't let them kid you. Kansas is going to have another big crop this year. As of June 1, the crop looks like another bumper one, perhaps the second- or third-largest on record. Even with some unforeseen setbacks, all indications point to a strong average crop.

Yes, we know, you have heard about a lot of damage from greenbugs, from mosaic, from hailstorms, and from winter kill. But just think back. We have such things every year. No wheat crop ever was 100 per cent of normal over the state at any time from seeding to harvest. Every year, this trouble or that nips at the total yield.

### Many Threats to Crop

This year is no exception. Everything reported as happening to the crop this year is true up to a certain point. There is winter-kill damage. There are greenbugs in some areas that will cut yields. There is some damage from mosaic disease and there will be many acres wiped out by hail and floods. The point is that the damage is generally exaggerated.

For instance, damage from mosaic alone was set by someone at 50 million dollars in Western Kansas. This damage claim was exploded by a tour of experts, including Hubert L. Collins, Federal-State statistician; Cliff Skiver, Manhattan, Crop Improvement Association director, and Dr. H. H. Laude, agronomist from Kansas State College.

After touring many of the diseased fields on foot, this board of experts reported that damage was greatly exaggerated. "Some of the most perfect wheat I have ever seen is growing between Dodge City and Pratt," says Mr. Collins. Mr. Skiver says he finds little cause for alarm. "Of course, some fields have damaged areas," he says, "but only an occasional farmer is plowing under any diseased wheat."

Both Mr. Collins and the Santa Fe crop reporter predicted around 250 million bushels of wheat for 1949, based on May 1 conditions. Nothing has happened since to greatly change the picture.

With these things in mind, there will be less worry about whether we are going to have a wheat crop. Instead, let's worry about what we are going to do with it after we get it harvested.

We do have a real problem here. The problem was so serious early in May that Governor Frank Carlson took a personal hand in the matter. He held a special conference with rail and storage officials to see whether the decks could be cleared for the flood of grain soon to be pouring off Kansas farms.

Here is the picture as Governor Carlson views it now. "The railroads are doing a good job," he reports, "of moving grain from local elevators and storage points. We have no great concern on that point. Our real trouble is in the choked condition of the main terminal elevators. They are running over with grain and getting rid of it is a big job."

"What is being done to help?" we asked Governor Carlson. "Some 25 million bushels a month are being shipped to gulf ports," he says, "and shipped out from there to foreign areas. Of

course, the wheat being picked up from local elevators and storage points all over the country is being taken direct to the gulf for this purpose. The big question will be whether the big terminal elevators also can be cleared in time. There will be considerable new storage this year. A new terminal at Baltimore, for instance, will take 11 million bushels, and there will be considerable more around the Great Lakes. We have a lot more local storage in Kansas now, too, but I am definitely worried about what will happen after all local storage is full. Will there be any place for local elevators to ship the new wheat? If there isn't, the wheat will be backed up on the farms."

With a large share of the storage problem thrown back into their laps, farmers will have to work it out themselves. According to Glenn H. Johnson, chairman of the Kansas State PMA committee, farmers must provide adequate storage for wheat to be eligible for price support. The price support temporarily has been set at \$1.93 a bushel for wheat harvested prior to July 1.

"In past years," says Mr. Johnson, "many farmers without adequate farm or warehouse storage have not been able to gain the advantages of price supports. Granaries and warehouses this year are more crowded for space than ever. With a large 1949 crop in prospect there will be additional demands on all storage space. If farmers do not have adequate storage on the farm they not only lose their price-support advantages but also suffer other financial losses if grain is not protected from weather, pests and rodents."

The entire storage problem is aggravated by the fact that April 1 stocks of all grains in storage were high. Stocks of corn were estimated to be the largest on record, stocks of oats and barley the second-largest, and stocks of wheat the third-largest.

What then can the farmer do for storage this year? We have checked with the steel grain-bin manufacturers on this point and here is what they report.

Steel bins will be available but not plentiful. Steel still is in tight supply. Since the need for storage will develop first in Texas and Oklahoma, those areas will be given first preference on steel allocations.

Unless you know for certain that your storage problem already is taken care of, you should get in your order for steel bins or buildings at the earliest possible moment to insure delivery by the time you need them. If you do order early, your chances are good.

Farmers are counting on some help on storage problems from the Federal Government. The Commodity Credit Corporation will shortly announce a program based on loans to farmers for providing additional storage on the farm. Details of the plan are still in the hopper. The chances are that farmers will be given more than one year to repay whatever loans are offered for storage increases.

### Can Get Insurance

More Kansas farmers in 29 major wheat counties can apply now for Federal crop insurance on wheat to be seeded this fall, according to Wendell Becraft, Manhattan, state director of the Crop Insurance Corporation. Farmers make their application to the local farmer-elected county ACA committee.

Insurance on more than 200 farms in Cowley and Sumner counties has been requested and on more than 100 farms in Pratt county.

Counties in which insurance on wheat is available include Clay, Cowley, Dickinson, Harvey, Kingman, McPherson, Marion, Marshall, Nemaha, Pratt, Reno,



Rex Brush, Scott county, last year stored 90,000 bushels of wheat in this Quonset. Steel is not too plentiful this year and farmers should order bins and other steel storage buildings early to be sure of having storage.



Farmers like George Copeland, left, Greeley county, are protecting their wheat crops with modern steel grain bins like these. Wheat stored in such bins is easily kept in good condition.

Russell, Sumner, Washington, Barton, Cloud, Ford, Lincoln, Mitchell, Osborne, Pawnee, Rawlins, Republic, Rush, Scott, Sherman, Stanton and Trego.

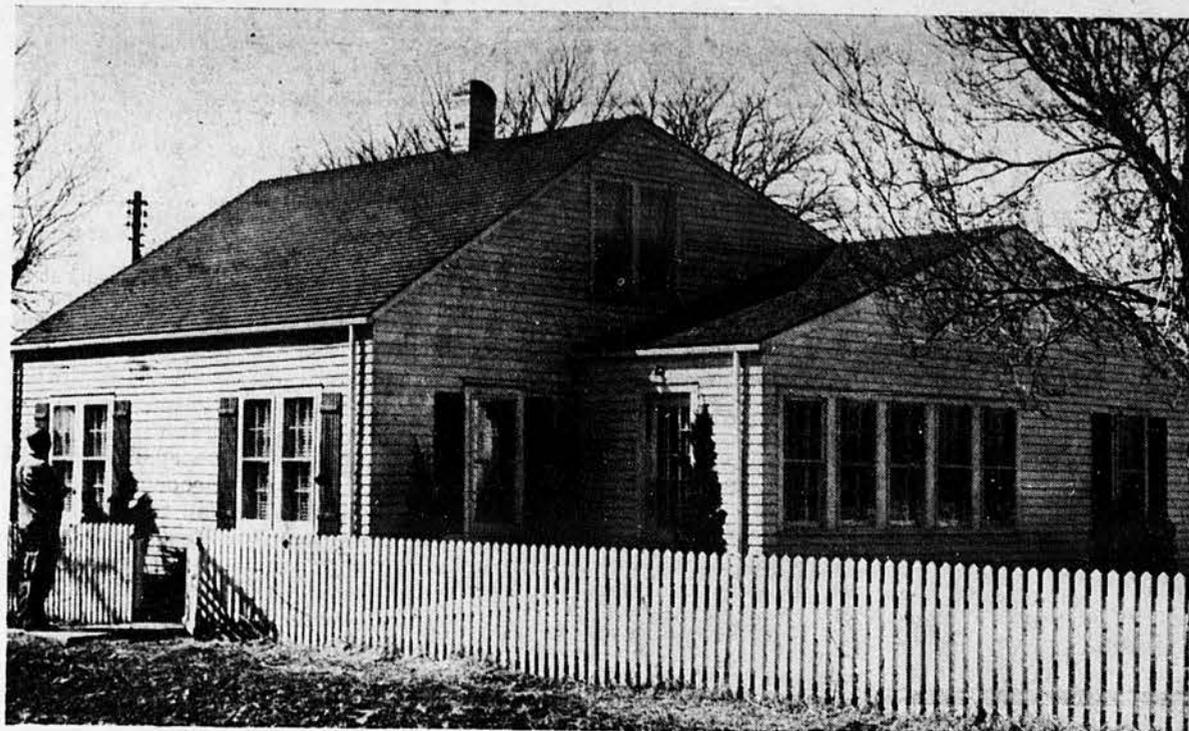
### For Hungry Hoppers

That old farm enemy, the grasshopper, caused crop damages in Kansas last year totaling \$6,664,890, states Dr. Roger C. Smith, head of the Kansas State College entomology department.

"We are depending on individual farmers to bear the brunt of grasshopper control this year," Doctor Smith says, "because of the 2 new insecticides which they can easily get and use."

Doctor Smith was referring to Chlordane and Toxaphene, which give a better kill than any other grasshopper poisons yet developed. Kansas dealers have an ample supply of these new chemicals, he reports.

"We have a good chance of saving crops this year if each farmer will take care of his own grasshopper problem," Doctor Smith explains. "Last year, for every dollar spent for grasshopper control in Kansas, \$94 was saved."



At Left: An old-fashioned farmhouse was remodeled into this modern home by Mr. and Mrs. Earl Lupton, Gray county. Mr. Lupton, left, is looking over the house from the front gate entrance.

Below: This office is the nerve center of the Earl Lupton farm business. Note open shelves for holding reference material. A closed cabinet for more important records is in a corner, left, outside the picture area. A Dutch door gives Mr. Lupton semiprivacy or complete privacy, as he wishes.



## These Building Ideas May Help You

By Dick Mann

**I**F THE object of any farm program is to have a nice farm home, then Mr. and Mrs. Earl Lupton, of Gray county, have reached their goal. They would be embarrassed to have a fuss made about it in this story. But we want to tell you some of the details, at least, because they have done such a good job in converting an old-fashioned farmhouse into a modern home that contains a maximum number of useful ideas.

We think, and believe you will agree, that many of the ideas they have used will be helpful to you when you remodel or build your farm home.

The Luptons used no set plans. Thru family conferences, they decided what they wanted in their home. Then, they collected all the ideas they could find in magazines dealing with such subjects and, finally worked them into the remodeling job. To do this they had to add to the original structure without destroying the gen-

eral appearance and ending up with a hodge-podge. The picture of their home, taken from the highway entrance, shows they succeeded.

If you examine the picture of the outside of the Lupton home you will see that a walk leads from the driveway to the front door. Too many farm homes have a front entrance that is almost impossible to reach by visitors and is a point that should receive first consideration.

Another thing you will note from looking at the Lupton home is that the front entrance leads into a room with many windows. The room is on the northeast corner of the house and is a living porch, especially equipped for summer use. This living porch opens into the regular living room of the house.

Nerve center of the home and the farm business is the farm office, off the dining room. This room is set apart by a Dutch door. A Dutch door, if you are not familiar with the term, is

one that is cut in two in the middle so only the lower half can be closed if you want semiprivacy. The entire door can be closed if you want complete privacy. One advantage of this type door is that by closing the lower half you have some privacy but do not interfere with the circulation of air.

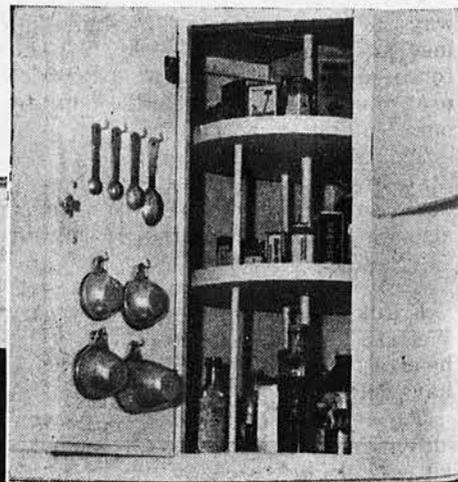
Inside the office proper, one wall is filled with open shelves that hold a portable radio for market and other news, and for farm magazines and other reference material that are used most frequently. A closed cabinet is built into one corner for the farm records and other valuable material that might become lost if left in the open.

A few days after we visited the Luptons, women belonging to Gray county home demonstration units were planning to make a tour of the house, and especially to study the improvement ideas to be found [Continued on Page 28]



Above: An electric dishwasher is one of the big labor-savers. Mrs. Lupton built her cabinet top right over the washer so as not to break up work space. Note can opener on window sash. The sink is equipped with an electric garbage-disposal unit.

Below: Sliding shelves make larger pots and pans easy to get and double space. The kitchen floor is rubber tile—easy to clean and easy on the feet.



Above: Kitchen corners sometimes are unhandy. Mrs. Lupton installed this revolving spice-and-seasoning center and hung measuring equipment on inside door.

# Farm Matters

## AS I SEE THEM

**I** NOTE that Senator Harry F. Byrd, of Virginia, chairman of the Congressional Joint Committee on Non-essential Government Expenditures, estimates the Federal deficit for this fiscal year (now in its last month), will be at least 815 million dollars. At the close of the next fiscal year (1950), he estimates it at 3,200 million dollars; for fiscal year 1951, 7,000 million (7 billion) dollars.

These estimates, he says, are based on the assumption that national income will remain practically the same as last year. If national income drops as much as 10 per cent, the resultant drop in the Federal Government's income will be \$5,000,000,000—to be added to the deficit.

I note also in a recent issue of the United States News a summary of why, with World War II 4 years behind us, Federal expenditures are climbing upward all the time. United States News & World Report sums it up something like this: Farmers want guaranteed income. Unemployed want bigger benefits. Veterans want increased pensions. The aged want more. Poor states want rich states to help pay their school bills. West wants East to underwrite more spending on river development; the editor might have added that East wants more and more for harbor improvements and flood control, on its own hook. Low-income families want higher-income families to help pay rent bills.

Poor countries want the rich United States to give them food, machines, arms, trucks, tractors, and credits.

All over the world, the idea is to share the wealth (instead of producing it); with wealthy American individuals and industry doing the sharing, at home and abroad.

That was fine: to other countries, 5 billion dollars a year. Armed services, around 15 billions. Farmers, around a billion. Veterans, some 7 billion. Assistance grants, another billion. Arms for Europe budgeted at \$1,500,000,000 (less discount to make it look like \$1,300,000,000). For public works, 2 billion or so. Education subsidies to start at no more than \$700,000,000.

And then along comes Senator Byrd and says this will run into deficit financing—deficit of some 7 billion dollars 2 years from now.

The foregoing makes no allowance, by the way, for the Administration's so-called "health insurance" program; nor for a 70-Group Airforce; nor for the cost of the Brannan farm program; nor for increased benefits for all (and more) on public assistance.

This seems to be a preview of the Welfare State—with the United States as a Welfare State supporting not only its own people, but also a good part of the rest of the world.

Frankly, I am alarmed at this picture of the Welfare State toward which we seem to be headed; into which it seems to me we already have drifted a long, long way.

To put it into operation is going to require an entirely different form of Government, and an entirely different understanding by Americans of the purpose of Government, as we had

understood it for the better part of some 170 years.

Our own Declaration of Independence, in stating for what purposes governments are formed among men, did not include the "Welfare State" idea. It did not promise the Government would deliver to the individual, on a silver platter, Life, Liberty, and Happiness. It did state that Government should secure to the individual "Life, Liberty and the Pursuit of Happiness."

I am confident the Declaration of Independence did not have in it what we call the Welfare State—in which the individual surrenders his Liberty (and in the end his Life) to the Government in return for the Government promising him security in the form of income, food, lodging, and amusements.

The Welfare State, I believe we should realize before it is too late, is only a generation or so removed from the Police State. As inexorably as night follows day, the Welfare State is succeeded by the Police State. That is the lesson of history.

The Welfare State is comparable to the mess of pottage for which Esau traded his birthright.

I believe farmers, as well as others facing the same threat, should think this over carefully—and think it thru.

### We Must Have Milk

**I** MENTIONED, in the previous issue of Kansas Farmer, some facts and figures showing the tremendous importance of dairying to our state. And since June is Dairy Month, I would like to pass on some additional information which I think is very interesting, about this great industry.

From facts and figures I have at hand, I can tell you that dairying is one of the real solid foundation stones of our country. It reaches into every one of our 48 states with its soil-saving, livestock producing and food and feed producing abilities. More than 75 per cent of all farms in the United States produce milk, and these farms are among the most stable in every single one of our states.

Without question, milk is one of our most important raw materials. A raw material that can be used without wasting a single drop. And the business of producing this milk affects every consumer in the nation, because all of us use milk in some form. I find that milk provides about one third of the food each one of us eats every year.

Now, in supplying this milk, the Dairy Industry Committee states, some 1,500,000 people find full-time employment. They work at producing, processing and distributing the milk and other dairy products. It is estimated that about 10 million people depend on milk and the dairy industry in all of its ramifications for their livelihood. In terms of money, the dairy industry produces more than 6 billion dollars in farm income, and contributes 10 billion dollars to our national commerce, the committee points out.

It is a little difficult to imagine how much milk is produced in the United States in a year. Government figures place it at 115.5 billion pounds for 1948. This, by the way, was 3 per cent less than in 1947 and the smallest annual output since 1941.

But to get back to understanding how much milk is produced in this country in a year. Someone with a head for figures reports that enough milk is produced annually in the U. S. to fill a river 3,000 miles long, 40 feet wide and 3 feet deep. Or if all of this milk could be put in quart bottles, and these bottles were placed side by side, they would extend almost 140 times around the earth.

I understand about half of this milk is used for drinking and cooking. And it is estimated by the Milk Industry Foundation that there are 50,000 distributors of fluid milk in the United States to deliver it to the consumers. The other half of the milk is made into butter, cheese, ice cream, dried-milk products, condensed milk and many other products in some 40,000 processing plants.

In millions of pounds milk becomes a raw product in factories that make plastics, textiles, paper coating, paint, glue, films, pharmaceuticals, insulation, fertilizer, insecticides, penicillin, plaster, dyes, animal feed, preservatives, explosives and even clothing, among other items. So when the dairy cow and the various processing plants team up they grow into big business in a hurry.

Is there a future for dairying in the U. S. and in Kansas? I firmly believe it is one of the safest, most essential, types of agriculture. If consumers are using 14 per cent more milk than they did before the war, they are using it because they want it. My guess is they will continue to want even more health-giving milk, ice cream, cheese and other dairy products. Then there is the other factor to consider of our increasing population. Some authorities estimate there will be 15 million more people in the United States in 1950 than there were in 1940. The dairy industry will make a go of it if anything does. And help keep the United States alert and strong and progressive in the bargain.

How old is dairying in this country? The Milk Industry Foundation notes in a little booklet called "Milk Facts," that when Christopher Columbus came to America there were no cows here, but that on his second voyage in 1495, he brought cattle and other farm animals to the islands of the West Indies.

The first U. S. cows were brought over to the Jamestown Colony in 1611, the Foundation reports. The few cows that arrived at the Plymouth Colony in 1624 really marked the beginning of the American dairy industry. The Pilgrims made the mistake of not bringing cows, and lack of milk was said to have had a bearing on the high death rate. Cows were required to be brought on later ships. And the Foundation adds, "When the frontier moved westward, the covered wagons were accompanied by cows."

*Arthur Capper*  
Topcka.

## Brannan Plan Loaded With Tempting Bait

By CLIF STRATTON  
Kansas Farmer's National Affairs Editor

**A**N ADMINISTRATION drive to popularize the Brannan (Charles F., Secretary of Agriculture) Plan with farmers of the Missouri-Ohio-Mississippi Valleys is scheduled to open June 12 and 13, at Des Moines, Ia. Call for the Des Moines Democrat Midwest Conference has been issued by James G. Quigley, Democrat National Committeeman for Nebraska and chairman of the conference.

purpose of the conference is to mass enough farm sentiment back of the Brannan Plan to elect Democrat Congressmen from the Farm Belt in 1950.

Since his first appearance before the joint session of Senate and House Committees on Agriculture in support of

the program, Secretary Brannan has made some minor changes in his plan. He may announce some more variations in his appearance before the Democrat Midwest Conference.

But so far the essential features are unchanged. Thru direct payments, Commodity Credit Loans, purchase

agreements, conservation program payments, compliance payments, and other methods open to the Government, farmers are to be assured on a nationwide basis of a standard parity cash income. Standard cash income would be the average of the first 10 of the 12 years immediately preceding the year the income would be assured by the Government.

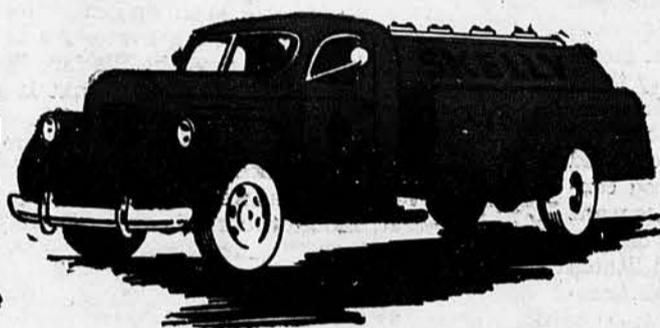
In other words, presuming the pro-

(Continued on Page 27)

### An Important Reason Why Skelly Users STAY Skelly Users



# "My customers are my personal friends!"



"Yes—I like to feel that everybody who buys Skelly farm petroleum products from my tank truck is a real, personal friend of mine! My customers know they can always count on me, not only for help in emergencies, but for prompt everyday service, too!

"It's a pleasure to be able to help folks out this way! It's satisfying for me as well as them. And, with my extra-fine Skelly products to back me up, I know I've got everything I need to KEEP my customers pleased and happy, day in and day out!"

You'll find this attitude typical of Skelly Tank Station Salesmen and Jobbers everywhere in Skellyland. You're missing a lot of those little but important "extras" in farm service if you've never bought the Skelly way. Start now ... contact your friendly Skelly Tank Man TODAY!

All Skelly products are money-back guaranteed to satisfy! The complete line includes Skelly Supreme Motor Oil and Skelly Fortified Tagolene greases, fuels, and accessories. ORDER TODAY!

**GUARANTEED AGRICULTURAL CHEMICALS**  
For positive Weed Control, use 2,4-D with FLUOL; it kills the entire weed—roots and all. And 2,4-D WITH FLUOL IS GUARANTEED NOT TO CLOG SPRAYER NOZZLES OR YOUR MONEY BACK! Ask your Skelly Tank Station Salesman for complete information about 2,4-D with FLUOL, or write Skelly Oil Company, Box 436, Kansas City, Missouri.



## SKELLY OIL COMPANY

Tune in Alex Dreier, with his first network news commentary of the day, Monday thru Friday, and Lloyd Burlingham's W. G. Skelly Agricultural Achievement Award Program on Saturday, over NBC.

### Field Day June 10

REPORTS on 10 phases of current field research work will be given at the 21st annual agronomy field day, to be held June 10 at Kansas State College in Manhattan, according to Dr. H. E. Myers, head of the agronomy department.

These include the use of commercial fertilizers on various cropping systems; Commercial fertilizers for wheat, oats, and brome grass; results from use of anhydrous ammonia; the newly established state soil-testing laboratory; chemical control of weeds; studies of ladino clover, birdsfoot trefoil, sweet clover and alfalfa; Victoria blight resistance in oat varieties; promising new wheat selections; hail-damage studies; equipment for wind-erosion studies.

While the program will start at 1:30 p. m. at the agronomy farm northwest of the college campus, Doctor Myers is encouraging everyone to spend the entire day at the college. After all, he says, in the afternoon those who attend will see only a small phase of the work of Kansas State College.

#### Who Spends What?

The spending habits of more than 700 Kansas farm families in 4 western counties will be studied this summer by the USDA. Conducted by the Bureau of Home Economics and Nutrition, results of the study will indicate how farm families have changed their ways of living in recent years. The survey will be in Ford, Gray, Edwards, and Meade counties and will take 2 months.

Results will provide facts for teachers, home demonstration agents, home economists, and others who give help in farm family budgeting. These same counties were surveyed first in 1936 and the results of that survey will be used for comparisons.

#### More Take Vacations

Some 65 to 70 million Americans will take vacation trips this year in their family cars, and will spend from 6 to 7 billion dollars at gas stations, restaurants, motor courts, hotels, resorts and camps, it is estimated by tourist and resort agencies.

Another 10 million persons will travel by train, bus, airplane and boat on vacation trips, and will add a few more billion dollars to the income of the nation's vacation and travel industry.

Americans are becoming more vacation-minded, travel agencies state, because of higher wages and the trend toward "vacations on pay" in industry. Nearly 9 out of every 10 workers now get paid vacation periods during the year, reports Automobile Facts.

#### Good Investments

Did you know that about one third of the money farmers have invested in their farms is in farm buildings? The USDA reports that as of January 1, 1949, farmers had about 20 billion dollars invested in farm buildings out of a total farm investment of 60 billion.

Another 7 billion dollars is invested in production tools. There are about 350 million acres planted to the 52 principal crops in the U. S., of which 300 million acres are in cultivated crops and the rest in forage crops.



"You want to marry my daughter, eh? Grab a towel and tell me about yourself."

# Thoughts TO LIVE BY

## Wishing Wisely

AT THE beginning of his reign, King Solomon had a dream. In this dream he was encouraged to ask for that which he desired most. He asked for knowledge to discern between good and evil so he could rule his people wisely. His choice was commended and his desire was granted. Because he did not ask for wealth, long life, or revenge, he received what he wanted plus these three besides.

It would have been so natural to ask for wealth. King Midas did it. So have others. It would have been so natural to ask for long life. King Hezekiah did it. So have others. It would have been so natural to ask for revenge. Haman did it. So have others. But Solomon did the unnatural thing. He asked for wisdom to discern between the right and the wrong, and he got what he wanted.

We all get what we deeply desire. The story of Aladdin and his wonderful lamp has its roots in reality. People buy what they want, not what they can afford. Advertising usually ignores the merits of a product, emphasizing instead how it will fulfill our desires. A salesman gives the people what they want. A super-salesman makes people want what he has to offer. A good teacher makes knowledge so desirable that his students want to learn. A good minister makes the right so attractive that people want to walk in it.

Everyone of us, on the other hand, reveals his worth by his desires. A bushman has few wants. He will work many days for some cheap beads and colored cloth. He has no use for watches, fountain pens, ra-

dios, or automobiles. So people are judged by what they want. That judgment is qualitative, too. One man wants to sit on a flagpole longer than anyone else has ever done it, and he is willing to endure the inconveniences involved to make such a record. Another desires financial security so much that he will undermine his health to get it. Another longs for the attention of his associates. If he fails to merit their applause by his accomplishments, he may make of himself a chronic invalid so he may receive their sympathy. To discover the cure for a malignant disease, another man may run the risk of contracting it himself. How different these 4 men are. This difference may be dramatically portrayed in this way: one man wanted to help his fellowmen so much that he died for them on a cross. Another wanted to get ahead so much himself that he betrayed his best friend.

*"Still, as of old, men by themselves are priced—  
For 30 pieces, Judas sold himself, not Christ."*

And this difference may be simply shown in this way: one man wants to be dirty, another wants to be clean. One man wants to use profanity; another wants to use the correct word at all times.

It is hardly necessary to draw a conclusion. Men get what they want, and what they want reveals the kind of men they are. Fortunately, desires can be improved just as taste can be improved. Realizing the power of our desires, it behooves us to be found wishing wisely.

—Larry Schwarz

## A Few Batches of Broilers Help the Farm Income

IF YOU are one of those farm wives who can find extra time and wish to make some money and save on overhead with your poultry program, work in a few batches of broilers during the year.

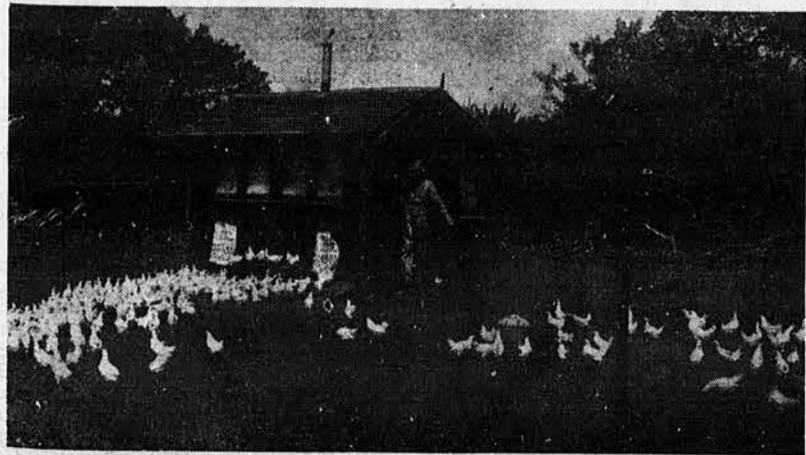
That is the program being followed by Mrs. Truman Bundy, of Miami county. The idea is to keep your poultry brooders busy earning money for you about 9 months out of the year instead of the usual 10 weeks.

Mrs. Bundy keeps a laying flock of around 250 hens and, of course, uses brooders for the pullets every spring. But she doesn't stop there. Last year she raised 1,200 broilers, using 3 brooder houses and part of the laying house in the summer after the laying flock had been culled to about half. Her average

profit on her broilers, selling on the straight Kansas City market, was about 45 cents.

An even more expanded program is being planned for next year. By putting running water into the laying house, Mrs. Bundy thinks she can care for another 250 laying hens so the poultry house will be enlarged by one more unit. The larger laying flock and a continuation of her broiler projects will give her a nice yearly income.

There is only one point that Mrs. Bundy stresses in handling broilers. "Never feed mash and grain at the same time," she says. "If you do, some of the broilers will eat too much grain and not enough mash. I feed my growing mash in the morning and grain in the afternoon."



The Truman Bundys, of Miami county, make their poultry brooder houses, like this one, work for them 9 months or more a year. Mrs. Bundy last year raised some 300 pullets, then used the houses for 4 batches of broilers totaling 1,200 birds. Her average profit on the broilers was 45 cents.



## SHADE-MASTER TRACTOR-CANOPY

- Adjustable Off-Center All Steel Post
- Heavy Duck Weatherproof Canvas Canopy
- Money-Back Guarantee —Fits All Models

Shade-Master is a buy you can't afford to pass up. Features a heavy duck weatherproof 5'x5' canvas cover. Loops on underside of cover tie to frame to give snug tight fit even on windiest days. All steel post and frame sturdily built to withstand maximum vibration with minimum wear, tear and noise.



- Shade-Master is fully adjustable by simply raising or lowering off-center post to desired position. No tools necessary. Canopy can be removed from tractor without removing bracket. Fits all models—including combines.

- Plenty of overhead clearance—even for six footers. Adjustable for sitting or standing in less than 5 seconds without stopping or taking hand off wheel. Folds like an umbrella when not in use.

**PRICES REDUCED \$13<sup>95</sup>**

Formerly sold for as high as \$17.50. PRICE INCLUDES BRACKET. Shipped postpaid with your check or money-order.

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Ship me postpaid . . . Shade-Masters. I enclose a check for \$13.95 each. . . . Please ship C.O.D. . . . (C.O.D. orders plus postage.)

I have a . . . make of tractor, model . . . . .

**SEND FREE DESCRIPTIVE FOLDER**

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## Four Ideas of Prevention For Home Storage Problems

By CLIFF SKIVER, Director Kansas Wheat Improvement Association

IT IS one thing to produce a big wheat crop and another to keep it. This fact becomes more important in Kansas as we approach the prospect of having to store more wheat on the farm and in the country. Eminent authorities have estimated that storage damage due to weevil, rodents and just plain heating is from 5 to 10 per cent. This loss, ranging around 30 million dollars a year in Kansas alone, could well be avoided if growers would remember the wheat kernel is a living thing, and that it is food for insects and rodents as well as humans. To help wheat growers avoid these losses and improve grain in storage, a 4-point program of grain-storage improvement has been adopted.

### Sanitation and Repair

Both grain-eating insects and rodents are attracted by food supplies. Cleaning up the bins and the surrounding spaces destroys the breeding place for insects. Emptying the bins, and spraying the surfaces with a 2½ per cent solution of DDT—1 gallon per 1,000 square feet—3 to 4 weeks before putting in the new crop destroys the species of weevil that bore in wood and cracks. As most of the weevil infestation is gained after the grain is put in the bin, reducing the population slows the destruction materially.

A few minutes spent in repair of the roofs, bin walls and perhaps the foundations of bins may prevent leaks and losses. Trapping or poisoning the rats and mice around the storage bins may save many dollars. Rodent hairs are most difficult to clean from wheat and to keep out of the flour.

### Store Dry Wheat

As the wheat kernel is a living thing it is only natural that activity starts in the kernel when it is damp—more than 12½ to 13 per cent moisture. When many kernels are put together in storage this activity and the heat generated from it causes spoilage called bin damage—heat damage if it continues far enough.

Care should be taken to harvest grain when dry. Harvesting too soon after a rain or too early in the morning when heavy dews prevail is sure to result in storage trouble. When grain must be harvested wet, turning is about the only method of keeping it.

Wet pockets in bins of what seems to be dry wheat are most dangerous. These pockets become "flash points" where heating begins and then may spread thruout the bin. Turning grain is very valuable in breaking up these wet spots and eliminating these trouble-making spots.

### Turning Grain

While turning grain is not a complete insurance against spoilage it is a big help. In fact it is about the only method commercial grain handlers west of the Mississippi river have to avoid heating. These people just automatically turn the grain in their bins at regular intervals.

Farm- and country-stored grain should be turned, also. Plans should be made to auger the grain from bin to bin or out of the bin and back in again. One or two turnings will work wonders on keeping quality and be well worth its trouble and cost, particularly on \$2 wheat.

### Fumigation

Some excellent work on grain fumigation has been done by Herb Walkden, of the U. S. Bureau of Entomology at Hutchinson. He has found that one thoro fumigation of grain during August or early September is most effective. An ounce of prevention is worth many pounds of cure. Destroying the bugs before they have become too numerous is the best insurance.

Applying the fumigant in August or early September reduces the bug population before the cold weather sets in. The fumigant should be applied uniformly over the surface of the grain. The surface of the grain should be leveled off and should be at least 6 inches below the top of the bin.

Fumigants recommended are the 3-1 mixture of ethylene dichloride-carbon tetrachloride or the 1-4 mixture of carbon disulphide and carbon tetrachloride. Dosages of 6 gallons for each 1,000 bushels of grain in tight, well-built bins

should do the job. In loosely built bins or shallow bins, the dosage should be increased to nearer 8 gallons.

**CAUTION**—It is well to remember that these fumigants vaporize to fill the inter-spaces between the kernels in the bins. Their fumes are as dangerous to humans as to bugs, and operators should avoid breathing them.

When wheat heats it puts the constructive kernel-building forces in reverse. Heat energy is given off and the grain suffers greatly in weight. This shrinkage loss is said to be much larger than actual market discounts. With the large amounts of wheat that will inevitably be stored on and near farms, Kansas farmers simply cannot afford to neglect this fine crop after they get it produced.

### Lambs Will Pay

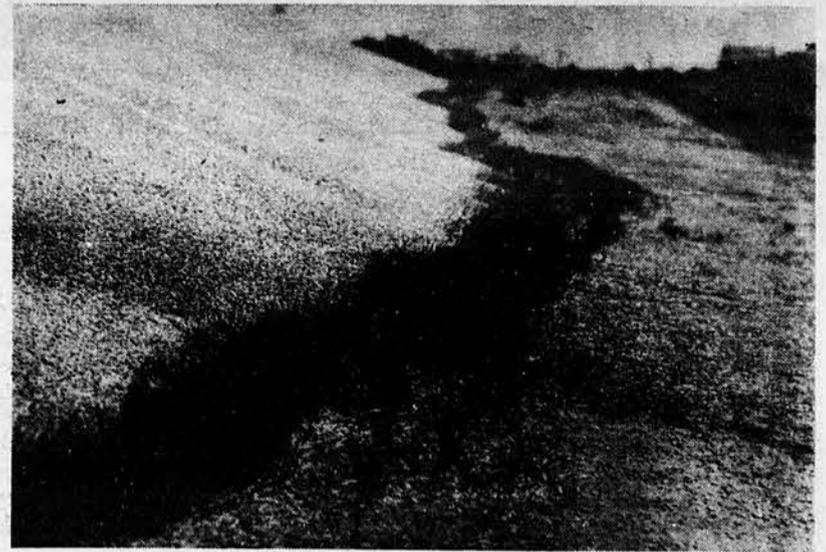
Production of early spring lambs should be one of the most promising livestock enterprises for the next few years, states Ray M. Hoss, Kansas State College marketing economist.

Farm flocks of ewes have realized high returns on investment during the last 15 years and will continue to do so, Mr. Hoss believes.

He points out that total sheep numbers are at an all-time low, and that stock sheep numbers in Kansas have been declining since 1942—about 7 per cent during the last year.

A farm ewe flock producing early spring lambs for market before harvest is especially adapted to the average Kansas farm, Mr. Hoss points out. Factors that make production of early spring lambs profitable include: Low grain requirements; net return on both investment and feed is high; 2 crops are harvested—wool and lambs.

Major points in a good early spring lamb program have been to locate and obtain flock replacements early and to plan for a good pasture program. To do this, yearling ewes should be on the farm by July 1, and preferably by early June.



This picture shows damage at the edge of a wheat pile on the ground in Western Kansas.

## "Free Machinery Service" From Good Care

DOES it pay to take good care of your farm machinery? Yes, says L. K. Foster, of Geary county.

Here is what good care has done for Mr. Foster. He is still using the combine he purchased in 1929 and says it is good for another 10 years. His average wheat crop is 375 acres. "I depreciated the combine out over a 10-year period," says Mr. Foster. "This year I will be starting the 11th season of free use on the combine." What special care does the combine get? Well, Mr. Foster keeps it housed at all times except when in use and makes all his repairs during winter months. He never takes the machine into a field with a part that is likely to break during operation.

Now, let's look at the Foster tractor. Mr. Foster purchased his present tractor in 1939 and it is in perfect running condition today. The tractor was depreciated out last season and this year will start the first year of free service so far as investment is concerned.

What does all this mean in actual dollars and cents? We did a little figuring on it with Mr. Foster and Paul Gwinn, county agent. It would cost a minimum of \$4,000 today to replace the combine and tractor. At a fair rate of depreciation, then, Mr. Foster is saving \$750 a year in machinery cost on his farm operations on these 2 machines.

If you figure that Mr. Foster might put that \$4,000 into some kind of investment paying 3 per cent interest, add another \$120 a year. If he had to borrow the \$4,000 for new machinery at 6 per cent interest, it would cost \$240 more.

Savings like these will become more and more important as profit margins narrow. By careful attention to machinery cost, farmers can cut their operation expense more than they realize.

### Pick Kansas Man



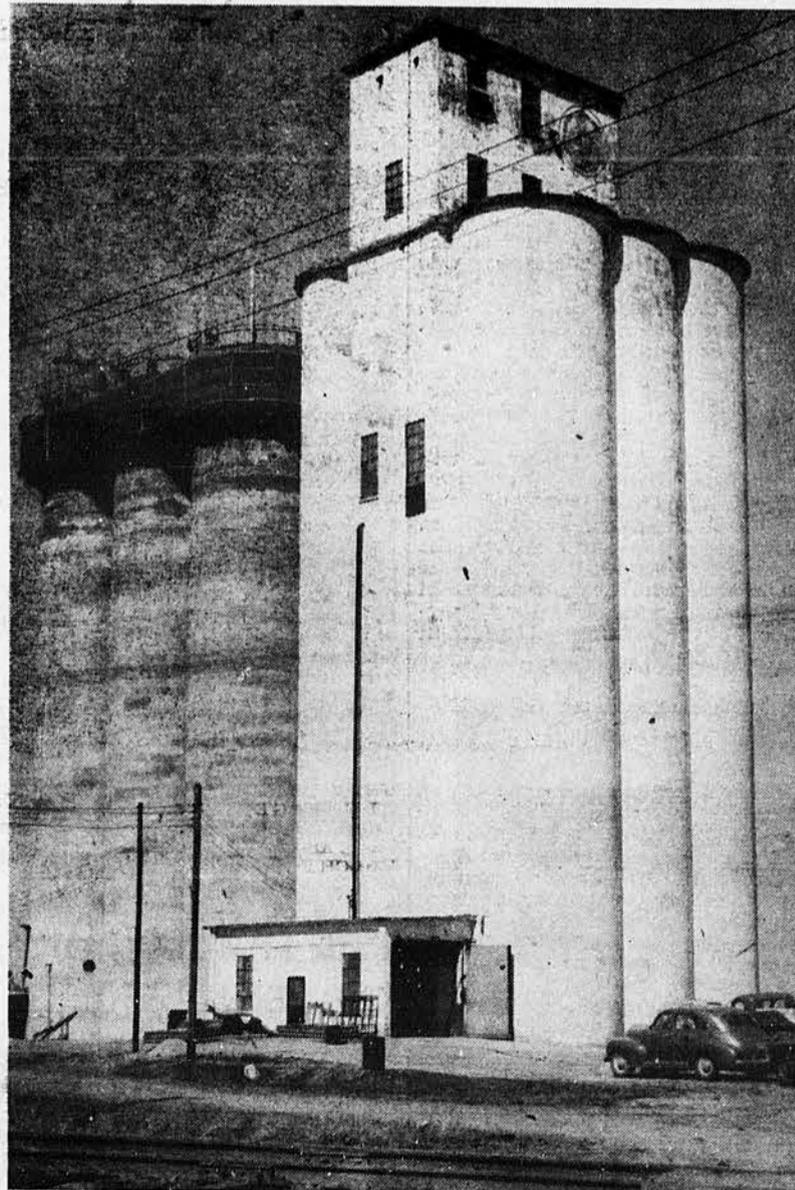
Charles W. Manke, who has been appointed Union Pacific railroad agricultural agent for Nebraska and Kansas. A graduate of Kansas State College and a native of Cullison, Kan., Mr. Manke served 4 years in the army veterinary corps during World War II.

Appointment of Charles W. Manke, of Cullison, Kan., as Union Pacific agricultural agent for Nebraska and Kansas, with headquarters at Omaha, is announced by Joe W. Jarvis, the railroad's supervisor of agricultural development.

Farm-born, active during his youth in 4-H Club work and a graduate of Kansas State College, Mr. Manke during World War II served 4 years in the army veterinary corps.

Born at Cullison, 29 years ago, Mr. Manke spent his boyhood on farms in Kansas and Colorado, operated by his father, Will Manke, now retired, of Hollister, Calif. He was a 4-H Club president one year, winner of a trip to the American Royal at Kansas City in soil conservation work, an exhibitor at state fairs and livestock shows and was awarded the Who's Who pin.

A practical Midwest farmer, Mr. Manke is experienced in row crops, wheat, cattle, hogs, poultry and power farm machinery.



Getting ready to handle wheat is this modern elevator under construction at Minneola.

## These 4-H'ers Go to Washington



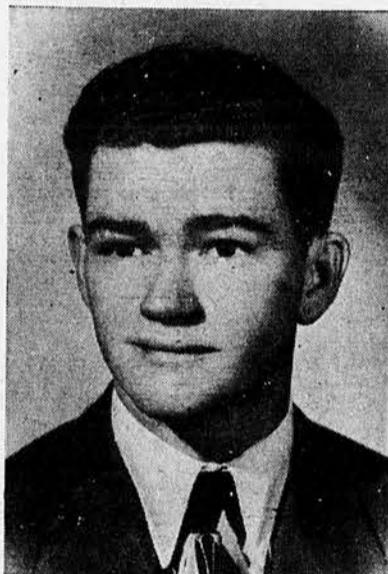
**Dorothy Haslett**  
Arkansas City, Cowley County



**Joyce Schrader**  
Hudson, Stafford County



**Lester Seuser**  
Bison, Rush County



**Harold Sommers**  
Robinson, Brown County

THE 1949 Washington trip winners in Kansas 4-H Clubs are: Dorothy Haslett, 19, Arkansas City; Joyce Schrader, 18, Hudson; Lester Seuser, 18, Bison; and Harold Sommers, 18, Robinson.

These 4 outstanding, long-time club members will be Washington-bound to attend the 19th annual National 4-H Club Camp, to be held June 15 to 22. Preceding that time they were honor delegates to the silver anniversary Kansas 4-H Club Round-up at Kansas State College, Manhattan, May 31 to June 4.

Commented J. Harold Johnson, State Club leader, "This is one of the truly great awards in club work. It comes only after years of fine club membership and service."

Dorothy Haslett, who for 9 years has been an active member of the Creswell 4-H Club in Cowley county, was state canning champion this year, received state recognition in news writing, and has extensive judging and demonstration experience in home economics.

Joyce Schrader has 8 years of project work to her credit. Clothing is one of her strong points. She has made everything from tea towels to a tailored suit—101 garments in all. Food preservation records for this Jolly Workers 4-H member show a total of 840½ quarts of food canned and 2 county championships in this project. In 8 years of club work she has made 120 entries at the county fair, and in 7 years 36 exhibits have gone to the state fair. "I hope to

graduate from college and then do 4-H Club work," Joyce says.

"During the last year, I was engaged in more 4-H activities than ever before," states Lester Seuser. "Some of the community activities I have enjoyed were: Skilled drivers' course, county chorus, spring festival play, boys' octette, livestock judging school, and local picnics and tours."

Lester was Rush county livestock champion and crops champion last year. He has assisted in establishing soil-conservation practices on his father's

### Useful Bulletins

Our leaflets listed below give helpful and reliable information, and are still available. Orders will be given prompt attention.

- Refinishing Furniture, price 5c.
- Homemade Fly Trap, price 3c.
- Hendriks Method of Feeding Baby Chicks, price 3c.

Please address Farm Service Editor, Kansas Farmer, Topeka.

farm. Five years ago a terracing program was initiated. Ponds and fields planted on the contour are other accomplishments.

A member of the Robinson Meadow Lark 4-H Club in Brown county, Harold Sommers has an outstanding junior leadership record. He has helped obtain new members for the club, helped in selection of members' projects, made arrangements for county tours, helped plan and make a booth for the tri-county fair, as well as give valuable assistance on record books. He has completed 14 projects which include swine, beef, corn, breeding heifer, and deferred steer.

The trip to Washington, D. C., for the 1949 winners will begin on June 10, when they leave for Washington by car. They will be accompanied by J. Harold Johnson, State Club Leader, and Mrs. Laura B. Willison, Sedgwick county home demonstration agent.

### 1-Act Comedy Play

Written in the interest of farm safety, "The Strong Soul," is an interesting and entertaining playlet which program leaders will welcome. It has parts for 6 characters, 3 male and 3 female, takes about 20 minutes to present and the setting for the play is simple. As long as the supply lasts we will send copies of the play free. Please address Entertainment Editor, Kansas Farmer, Topeka.

The Original, Completely Hydraulic

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Here's Power Farming at its best!

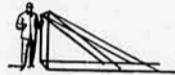
The only completely hydraulic power loader. Original, push-off type of unloader. No trip wires to pull... Powerful hydraulic ram unloads scoop completely and quickly.



It's a Haysweep, Forage Fork, Snow Scoop, Grain Scoop, Manure Spreader and Bulldozer!

ONE MAN in 15 minutes can attach it to any tractor!

No complicated attaching mechanism.



1. Adjust D-A Loader-Stacker brackets to fit your tractor.



2. Simply drive tractor into cross-member frame of Stacker.



3. Insert and tighten eight attaching bolts, drive away, and your D-A Loader-Stacker is ready to use.

Tubular steel construction... no "extras" to buy. The D-A Loader-Stacker comes complete, ready to install. One handle controls all loading or unloading operations from ground level to heights of 22 feet.

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Write today for Complete Information. Dealer inquiries invited.

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## V-BELTS PULLEYS for COMBINES

See our classified ad under "Farm Equipment"  
FARRAR MACHINE SHOP  
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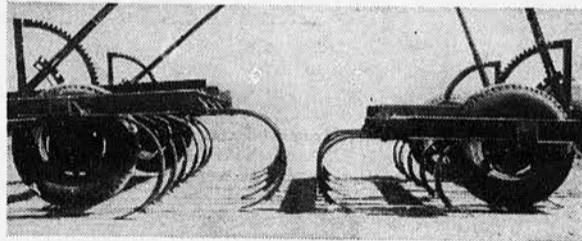
On The New Baldwin  
"CENTER-DRIVE"  
Grain Loader



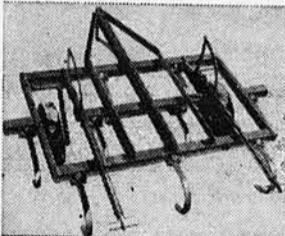
BALDWIN IRON WORKS  
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# No STUBBLE TROUBLE

WITH THE NEW  
JEFFROY

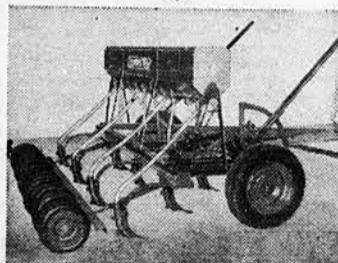


A Jeffroy Chisel Plow equipped with extra long spring steel shanks for greater high clearance as shown on the plow at the left means NO CLOGGING IN THE HEAVIEST STUBBLE. Proven time after time last year in the extremely high wheat stubble of the Northwest from Utah up through Horse Heaven and the Palouse Grange Country in Washington. DON'T BURN OR PLOW UNDER THAT VALUABLE VEGETATION. LEAVE IT ON THE SURFACE AS A PROTECTING MULCH TO ENRICH AND REVITALIZE YOUR SOIL.



NOW: A SEEDING ATTACHMENT  
MADE BY DEMPSTER

Jeffroy now offers a valuable attachment for all Jeffroy models as well as other make chisel plows... THE DEMPSTER SEEDING ATTACHMENT. Seeds all kinds of small grains as well as certain sorghum crops and soybeans. Positive drive. Easy to operate.



MORE WIDTH  
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A JEFFROY CHISEL  
PLOW FOR ANY SIZE  
FARM OR TRACTOR

Compare the Jeffroy with any other chisel plow and see the difference. Try it in your field and compare its performance. The comparison test will convince you that Jeffroy is the Chisel Plow you need. For complete information write, phone, or wire

**JEFFROY**  
MFG., Inc.  
AMARILLO, TEXAS

## What Is a Garden Worth?

By WILLIAM G. AMSTEIN  
Kansas State College Extension Horticulturist

**D**URING the last few weeks, I have visited gardens in many sections of the state. Generally, I saw good vegetable production in prospect. Gardens in many locations look extra good. All of this production will be useful during the growing season and for the coming winter's needs.

Value of gardens will vary greatly, but most of them will yield products valued at \$50. Many garden records indicate a production value of \$200, some even more.

Cabbage, peas, spinach, radishes, lettuce, carrots and similar crops planted early are showing good returns. Later plantings usually encounter less favorable growing conditions. A succession planting program will provide a more even supply of some short-season crops thru the summer.

In many gardens extra insect hazards are invited by allowing plants of

early maturing crops to remain after most all of their harvest value has passed. I realize in some gardens, portions of rows are carried over to provide a seed source of certain productive varieties. We may need to save seed where practical, and especially of local varieties that have given unusual results or may not be available of equivalent type. However, if not needed as a source of seed, plant remains should be cleaned up just as soon as harvest is over. Radishes, spinach, peas and early crops of this type are among the ones usually needing attention at this time.

From questions asked on garden tours I notice many hesitate to control insect and disease outbreaks. There are many materials that can be used without any question of residue that may remain. In fact, I believe the residue question has been overemphasized without sufficient evidence at hand to bear out the

concern often expressed. If you have insect or disease problems in your garden, don't hesitate to do something about them. As a standard insect control material, use of rotenone is a good answer.

Proper summer care of the vegetable garden is quite as important as careful planning and plantings. Correct arrangement and good selection of varieties must be done early. But these will be of little value unless the garden is given constant attention.

Vegetable seeds nearly always are sown too thickly. Unless proper thinning is done the plants will grow slowly, and unsatisfactory yields will be produced. Thinning usually should be done while plants are still small. This will disturb the roots of remaining plants as little as possible. Crowded plants too often compete with each other for moisture, plant food and sunshine.

It is not necessary to make one thinning the final one. With some crops, 2 or even 3 thinnings may be a better answer. Likewise, the "thinnings," in many cases half-grown crops, can be used as well as the fully grown specimens. Beets, turnips, onions, kohlrabi,

carrots and lettuce are crops in this class. To avoid injury to the remaining plants firm the soil back around them without fail.

Cucumbers should stand 1 foot apart in the row with the rows 5 to 6 feet apart, or they may stand 3 plants to the hill with the hills 4 to 5 feet apart. This thinning may be done gradually so in case of insect loss there will still be an adequate stand of plants. Sweet corn does best when spaced 12 to 14 inches apart in the row with the rows 3 feet apart. Tomatoes should be set 4 by 4 feet, but if they are to be staked and pruned they may be spaced 18 to 24 inches apart in the row and the rows 5 to 4 feet apart.

Snap beans do best when the stalks are 3 to 4 inches apart, and bush lima beans 5 to 8 inches apart. If onion seed was planted, the seedlings should be thinned to stand 1 to 2 inches apart; if seedlings or sets were used, 2 to 3 inches apart is a satisfactory spacing.

The root crops produce small and misshapen roots if they are too crowded. Beets need 3 to 4 inches between plants, carrots 2 to 3 inches, early radishes 1 to 2 inches, summer and winter radishes 3 to 4 inches, parsnips 3 to 4 inches, and turnips 3 to 4 inches.

### Cultivate Carefully

Most vegetable plants have many fine fibrous feeding roots in the plowed area of the soil where the soil is loose. Therefore, cultivation should be shallow (1 to 2 inches) and frequent enough to control weeds. If the ordinary hoe is used, use a sliding movement, not chopping deeply. A rotary hoe could be used in many gardens because it saves much hand labor. Cultivating deep may do much damage thru disturbing or cutting off roots of plants which are growing in the richest soil layer, the top 2 or 3 inches of soil.

Suckering sweet corn is another item that generally receives too much attention. As a rule it will not pay you any dividends to take the time to sucker your sweet corn. In fact, some years the ears produced on the side shoots may prove nearly as useful as the main crop.

Making an additional planting or two of sweet corn at this time or in the near future may prove very worthwhile. Many times one planting may not do too well or mature when it is convenient for the family to make the greatest use of it.

### For Choice Quality

Garden crops to be used in locker storage are often allowed to become too mature before they are harvested. Many questions on better varieties for frozen locker storage arise from this point. A better answer would be to harvest many crops when they are two thirds to three fourths full size to get choice quality. In the case of many crops harvesting a day or two early is better than delaying harvest until the products are overgrown or overripe 2 to 5 days later. Sweet corn, peas and beans are often special offenders in this respect.

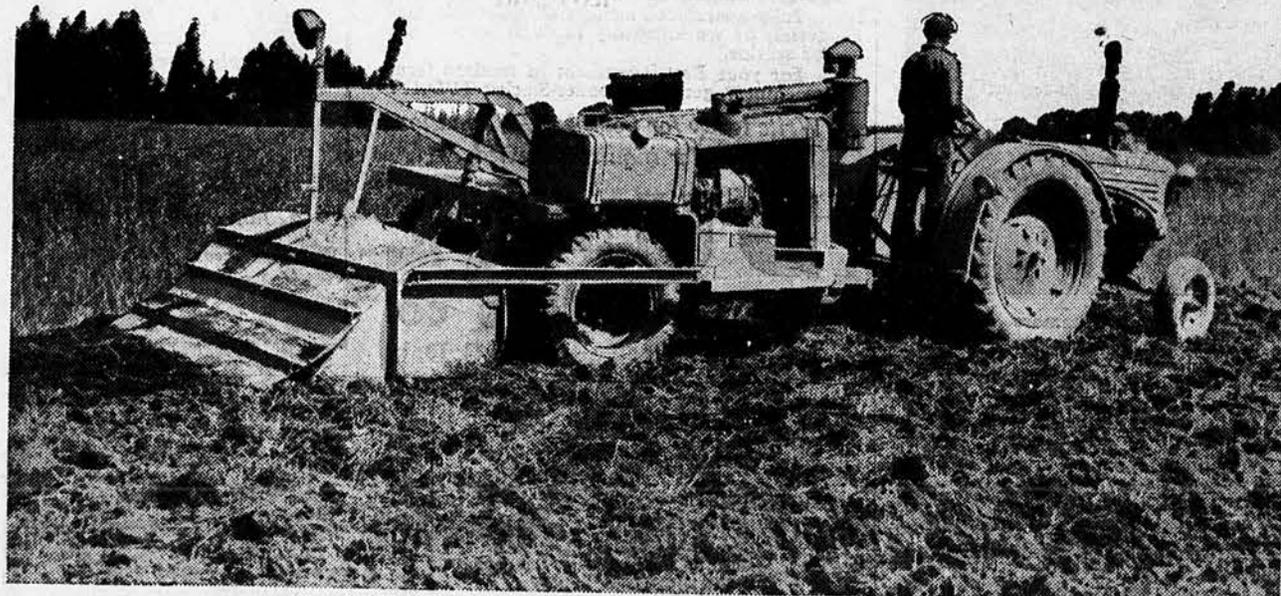
### Study Poultry Use

Marketing and utilization of poultry products will be stressed in research work in 1951 under the Research and Marketing Act, reports the USDA. Poultry diseases will continue to get attention.

Under marketing, research will center on heavy losses in quality of eggs and poultry in marketing channels. Efforts will be made to find improved handling methods, processing equipment, packaging facilities, transportation services and educational programs. Efforts also will be made to extend both domestic and foreign markets for eggs and poultry, and to promote new food uses and develop more representative and accurate market reports.

Under utilization, research will center on these points: handling methods, processing techniques and sanitation that might better protect poultry products from contamination; determine the content of proteins, vitamins and other nutrients in poultry products, and the degree to which they are assimilated in the human diet; inquire into possibilities for developing new and commercially feasible outlets for such materials as feathers, blood, viscera, feet, heads, bone, glands, eggshells, technical albumen, offal, manure and litter; find the causes in dressed and frozen poultry for such defects as bone discoloration.

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# We Are Seeing America

## Why Don't More Farm Folks Take Vacation Trips?

By FRANCES R. WILLIAMS, Marshall County

Here is a peek into history. Let's visit historic Fort Ticonderoga with our traveling farm woman, Mrs. Williams.

**L**OCATED on the shore of lower Lake Champlain in the state of New York, old historic Fort Ticonderoga is restored as nearly identical to the original as research can make it. The fort contains the largest collection of Revolutionary relics to be found anywhere. Restoration of the fort and the collections housed there are due to the efforts of one man, Stephen Pell. He with the assistance of the Pell family, has spent his lifetime in this prodigious undertaking.

When Stephen Pell was a lad of only 10 years, he found a bronze flint box in the ruins of the old fort. This incident gave the lad inspiration to restore the fort to its former glory. Pell has been assisted in his great efforts by governments of several countries, descendants of Revolutionary war soldiers and plain citizens. But he has been the guiding spirit and the undertaking has remained a family affair.

### Erected by the French

Fort Ticonderoga, erected by the French in 1755, fell to the British in 1759. The British held it until Ethan Allen and his Green Mountain Boys captured the fort from a handful of British soldiers in 1775. The British later recaptured the fort, but at the close of the Revolutionary war, it again was in the hands of the Continental army.

After the war the fort was allowed to deteriorate. The property reverted to the state of New York. The state turned it over to Columbia and Union Colleges. But these colleges had little use for the property, therefore they sold it to William Pell in 1820, who purchased the site for a summer home.

It was not until 1908 that any effort toward restoration was made. Then Stephen Pell, a great-grandson of William Pell, began his work to restore the ruins. Military engineers estimated that 70 per cent of the original stone from the walls and bastions remained in the piles of rubbish. Because of money limitations, Pell was able to rebuild only a small part at a time. Rocks were cleaned, measured and made ready to be fitted into place. The original iron fittings for the doors and windows were found, some from the ashes of old fires where the frames and doors had been chopped up and burned.

### Walls Were Not Safe

The fort, a star-shaped citadel, had been constructed by a Marquis de Lotbiniere from plans outlined in a treatise on military science, first published in Paris in 1714. This valuable manuscript is among the many thousands of priceless documents in Pell's collection. A New York architect was engaged, but even the few remaining walls that were standing were declared unsafe. These were torn down and rebuilt.

By the time the first wing, the officers mess and quarters was completed, Stephen Pell and other members of the family filled the building with relics they had been collecting for years. This was accomplished just before Pell went off to serve in World War I. Pell came out of the war with a leg injury, but his war experience gained him an able assistant in his restoration project, when he persuaded a former war buddy, Milo King, to join him as general manager of the fort. It was a lucky choice, for King is said to be more the soul of "Old Fort Ti" than the ghosts of the men who fought and died there.

### Hired Full-time Guide

At first there was no thought of charging admission, but during Pell's absence, many visitors requested admission. Mrs. Pell was forced to hire a full-time guide and a small charge was made to pay his salary. The amount left over was used to purchase some cannons of the Revolutionary period that Pell had located in the West Indies. When the work of restoration was resumed after the war, help to locate other guns of the period came from unexpected sources. By donations and purchase the walls of the fort are fully equipped with cannons and mortars, and now present a warlike appearance.

Contributions from prominent people have kept the work going.

While great progress has been made in the restoration, to the eyes of the visitor, the work is far from completion. Digging has been going on around the fort for 100 years, but new objects are being uncovered continually. Since 1938 a metal locator has been used to find buried metal objects.

### May Visit Dungeon

One may visit the dungeon where enemy prisoners were kept, or where some unlucky soldier was punished for his misdeeds. In the basement barracks are displayed the tools and implements used to make war in the by-gone days. Piled along the walls are stacks of muskets, bayonets, surgical instruments, hundreds of poured bullets and insignia of rank.

One floor of one of the barracks is filled with Indian relics, because the fort played an important part in protecting the early settlers from the Indians. Another floor is given over to a display of the tools, implements and household equipment of the early settlers in the region.

Visitors to the museum are astonished at the great number of priceless historical objects donated from so many different sources, to this family-controlled undertaking. By agreement, no member of the Pell family may derive any profit from the fort or museum. All of the family are bound by the agreement to continue the work of restoration of the structure and the preservation of the objects collected there.

### Insisted on "Real Thing"

Mr. Pell has always insisted on the absolute authenticity of every article of the exhibits. There are no "might have been." One may see what is said to be the actual bullet that killed General Wolfe at Quebec, General Burgoyne's shaving mug, the blunderbuss used by Ethan Allen in capturing the fort from the British, and even a petticoat worn by Martha Washington occupies an honored place in one of the glass cases.

We looked for the bronze flint box, the first article found by Pell so many years ago which inspired him to undertake the work of restoration, but had been unable to locate the object. Upon questioning, one of the attendants in the room pointed to the small box in the case. More visitors inquire about this object than any other thing.

Perhaps the most striking of all the exhibits is the collection of uniforms. The colorful uniforms worn by the French, the British and the American soldiers during the Colonial and Revolutionary Wars are displayed on life-size, wax figures. Fully equipped with weapons of their day, and standing beside the display cases, one has the impression that some of General Washington's men and a few British Redcoats are standing guard over the room and its precious contents.

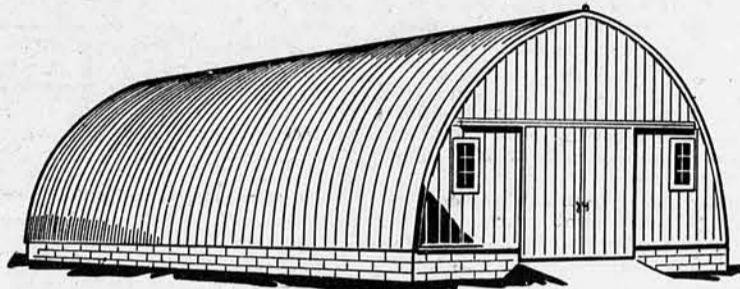
### Was a Smart Location

Out on the walls of the fort, one is impressed by the fine specimens of cannon that are mounted thereon. The south wall of the old fort commands a fine view of Lake Champlain, the north and east a view of the countryside. There can be no doubt of the strategic location, and the great importance of the fort during the Colonial and Revolutionary Wars. Far below the fort, on the shore of the lake, is an exhibit of great interest. Two ships, a part of the first American fleet ever built, were constructed by Benedict Arnold to be used to repel a British invasion from Canada. Unfortunately, the vessels were sunk by the British in 1776 and remained submerged at the bottom of the lake until they were raised in 1935. Both vessels the "Revenge" and the "Philadelphia" are, and all equipment on board, remarkably well preserved. Historians consider the ships the most valuable relics from the struggle for Independence.

The old national flags of 3 nations fly over the bastions of Old Fort Ticonderoga. The French, the British and the flag of the American colonies. But high over all waves THE STAR SPANGLED BANNER.

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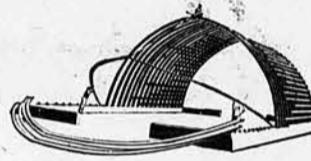


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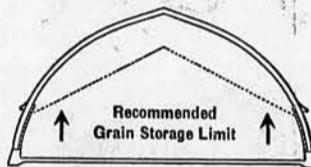
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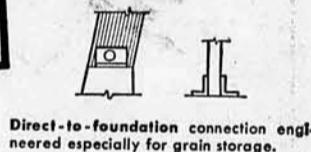


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## Vocational Agriculture

By ED BRANDNER



Paul Mugler, Clay Center, new president of the State Future Farmers of America Association, is in the center back between L. B. Pollom, Topeka, and Prof. A. P. Davidson, Manhattan, state FFA advisers. Other new state officers from left to right in the front row are Elmer Kern, Stockton; Kenneth Buller, Buhler; Billy Jossee, Columbus; J. E. Zimmerman, Olathe.

**H**AD it been a state high-school basketball tournament instead of the 26th annual FFA contests held in May, Curtis Minter and Karl Rau would have been co-captains of the all-state team. And Ray Morrison, their Vocational Agriculture instructor at Clay Center, would have been named coach of the year.

Minter and Rau, the Clay County Community high-school farm mechanics team, swept 5 firsts in the 7 state farm-mechanics contests. They were competing against 78 other top high-school mechanics teams in Kansas.

Listening to an announcement of the first-place mechanics winners at the annual Chamber of Commerce banquet following 2 days of judging and contests was like listening to a phonograph with the needle stuck on Minter, Rau and Morrison.

The 2 Kansas high-school boys did concrete, carpentry, machinery, tool sharpening and welding work like 2 ex-GI's who had served as first-class machinists during the war. But like the nearly 1,300 other Kansas high-school farm youth who competed in 15 phases of farm and ranch activities, they are teen-age Future Farmers of America. In the judging ring, many of the Kan-

sas high-school boys acted like shrewd buyers at a purebred sale. They would poke around a fat Hereford steer, "gluing" their eyes on the animal. Then they would feel along his back and hips. When they faced a judge to give oral reasons for the way they placed the 4 animals the young future farmers spoke with confidence.

Judging had its individual stars in Galen Morley, Bud Hanzlick and George Brazon, members of the Belleville high-school judging team, coached by Carl Byers. The Belleville team was first in judging. But there were other high individuals in judging: Gene Hawkey, of Newton; Roydean Cooley, Alton; Marvin Samuelson, Frankfort; Don Kater, Newton; J. E. Zimmerman, Olathe; Arthur Queen, Hiawatha, and Howard Bailey, Chanute.

Prof. A. P. Davidson, state executive adviser of the FFA, points out, "The FFA contests are not to create individual stars, but to give teams practice and schooling."

The contests at Kansas State College climax a lot of team practice and schooling. More than 5,000 Kansas high-school boys studying Vocational Agriculture get experience in judging live-

*(Continued on Page 15)*



Curtis Minter, of Clay Center community high school, filing a saw in the 26th annual farm mechanics contests at Kansas State College. Minter and his teammate, Karl Rau, swept 5 firsts of 7 events in the state farm mechanics contests. Ray Morrison is their Vocational Agriculture instructor.

stock and handling farm tools in their local high schools, and in district and regional meets where they qualify for the state meeting.

Many of the high-school boys already are "on their own." Average net worth of the Kansas FFA members is \$700. The more than 5,000 members in 150 chapters own farm property worth nearly 3 1/2 million dollars net. They had repaired nearly 2,000 farm machines in their high-school farm shops thruout the state before the state contests in Manhattan. They had built more than 2,000 machines and pieces of equipment in their shops, including everything from a trailer hitch to a complete 4-wheel trailer.

Many made names for themselves in the contests at Manhattan this year, but several agriculture instructors had a tough time deciding which boys to leave at home. As L. B. Pollom, state FFA adviser, pointed out outstanding Future Farmers were present from all corners of the state.

**All Doing Fine Job**

A run thru the list of winners shows nearly all the more than 150 Vocational Agriculture instructors in Kansas are doing a good job, Pollom said. Among their students are these winners: Harry Neufedt, of Inman; W. W. Alexander, Olathe; Gerry Smith, Kinsley; Glen David, Winfield; Allen Heath, Coffeyville; John Murray, Beloit; Don Hudson-pillar, Concordia; Maurice Barr, Highland Park; Charles Kismast, Haven; Stanley Deewald, Coldwater; Don Alexander, Cherryvale; Leon Shannon, Hiawatha; George Daniels, Smith Center; Gene Weland, Glasco; Wesley Musson, Arkansas City; Hartsel Haskins, Emporia; Glenn Czirr, Alma; Neal Bock, Lebanon; Vaughn Miller, Oberlin; Kenneth Kelley, Chanute. Those are only a few.

Professor Davidson says past records show 70 per cent of the FFA boys who attend the annual convention later will attend college—most of them Kansas State's School of Agriculture. Like high-school athletic stars who attend college and return to high schools as coaches, many of the FFA'ers will return to vocational education work as adults.

After 2 days of contests beginning promptly at 7 o'clock each morning, the 1,300 youth were given a banquet in Nichols gymnasium on the college campus. Here they learned winners of various events, heard a few short talks, names of those given state farmer degrees and met new state officers.

Newstate officers for the 1949-50 year are Paul Mugler, Clay Center, president; Kenneth Buller, Buhler, vice-president; Billy Bert Jessee, Columbus, secretary, and Elmer Kern, Stockton, treasurer.

Only 104 of the more than 5,000 Future Farmers in Kansas were granted state farmer degrees. With their home towns listed alphabetically, they are:

Altamont, Kenneth Gearhiser; Alton, Roydean Cooley, Bennie Stroup and Donald Westfall; Auburn, Bob Crawford and Russell Koci; Belleville, Raymond Sis, Bud Hanzlick and Galen Morley; Beloit, Darrell Treaster and Richard Jastes; Buhler, Kenneth Buller. Chanute, Vern Heilman and Kermit

Adelgren; Clay Center, Curtis Minter, Marvin F. Yarrow; Coffeyville, Dale Ellison and Alfred L. Schuetz; Columbus, Billy Bert Jessee and James Eaton; Coldwater, Curtis Lahrdring, Hubert Deyos and Alvin Kindavater; Concordia, Lyle Lagasse; Effingham, Jerry Jamison, Sam Hundley, Glenn Reichard and Victor Harden; El Dorado, James Nuttle, Jr., and Joe Unger; Emporia, Ernest Williams, Robert Carter and John Hems; Fairview, Donnie Ritter.

Frankfort, Marvin Samuelson; Fowler, Richard Walker; Garden City, Charles O'Neal; Goodland, Darrell Anderson and Clyde Jones; Great Bend, Bob LeRoy; Haven, George Stelter and Billy Geffort; Hiawatha, Burdell Nolte, Leon H. Shannon and Harold Elliott; Hillsboro, John W. Weins and John Unruh; Hoxie, Phillip Pratt; Inman, Vernon Pauls; Kingman, Bill Woodson; Kiowa, Boyd Forester.

Lawrence, Robert E. Schoake, Loy S. Mitchell, Gordon Fishburn and Dwane Schoake; Lebanon, Robert Grewell and Leland Roush; Lyndon, Ruben Bauck; Manhattan, Alvin Wendland; Medicine Lodge, Sammy Baier; Merriam, Max Zahner and James Sanford; Minneapolis, Francis Pieschl, Laddie Merryfield and Robert Frain; Mulvane, Forrest Butts; Newton, Keith Boller and Roland Dreier.

Norton, Robert Beckman, Dean Lee Preston and Richard Schulze; Oberlin, Merlin Anderson; Olathe, Wayne Zimmerman, George Meyer and J. E. Zimmerman; Onaga, Robert Rezac and James H. Kocher; Osborne, Dean Bliss; Overbrook, Donald A. Butel; Paola, Clyde Prothe; Phillipsburg, Eugene Miller; Randolph, Eldon Springer and Louis Hargrave.

Seaman (Topeka) Kenneth Delfelder; Simpson, Bud Criswell and Jack Kruse; Smith Center, Bill Hays, Leo Peters, Marion Hinshaw and Louis Overmiller; Stockton, Elmer L. Kern, Erle Muir, Lewis A. Muir and Nile Vose.

Washington, Adelbert Stewart, Daryl Apley, Herald Scheetz, Gerald Scheetz and Robert Barton; Washburn Rural (Topeka) Elroy Vitt and Donald Shidler; Westmoreland, Earl Bullock; Winfield, Glen E. David and John A. Falkingham.

Three adults were granted honorary state farmer degrees for making livestock, machinery and other agricultural equipment available to the FFA for study, contests and field trips. They are L. C. Aicher, superintendent of the Fort Hays Branch Experiment station; Embert Coles, superintendent of the Colby branch station, and E. D. Mustoe, manager of Foster Farms, near Rexford.

That Kansas farm youth have a sense of civic responsibility and are good citizens was apparent when the group voted \$500 from its treasury to be applied to building the All-faith memorial chapel at Kansas State College.

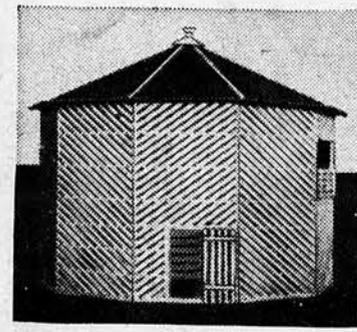
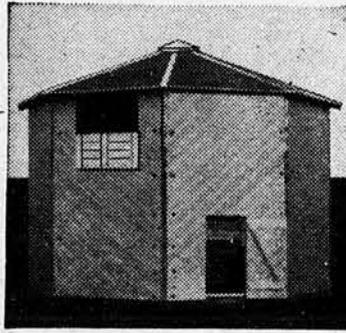
"We do this not to honor those who served in World War II so much, but to show appreciation to the college for conducting the FFA contests," a statement they prepared said, "and because we realize many of our group will continue their education at K-State. We also realize religion thru meditation and group worship is an important part of our lives."

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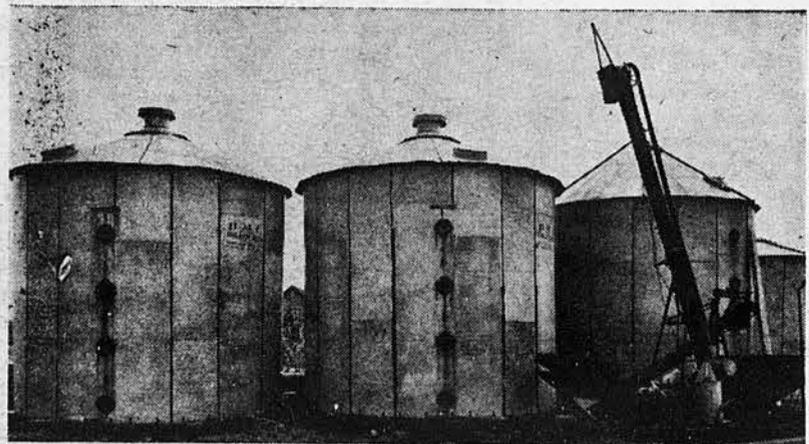
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# From First to Last Course

By Florence McKinney

**F**ARM women everywhere are using ready-mixes, mixes for cakes, pies, cookies and whatnot. The manufacturers of these enticing packages are making them better and better, too. If you have not tried some of the newer ones, do try again. Wonderful improvements have been made and you are bound to be pleased.

Wartime employment created the demand for ready-mixes and one large consumer-goods testing organization recently listed 47 brands of pancake mixes. Research has resulted in their improvement. With quantity production some of these mixes now cost no more than the ingredients made from a recipe in the home kitchen.

## Baked Lima Beans and Ham

½ cup diced onion	½ pound ham slice
½ cup diced celery	3 cups cooked lima beans
1 tablespoon fat	½ cup milk
1 teaspoon salt	1 tablespoon flour
¼ teaspoon pepper	parsley

Brown diced onions and celery in fat for about 5 minutes. Add salt and pepper. Cut slice of ham into strips about 2 inches long and one inch wide. Cook ham strips in a greased skillet until slightly browned. Mix some ham strips with cooked lima beans, onions and celery. Add

lima bean liquid, and flour mixed with milk. Place in a well-greased loaf pan. Place remaining strips of ham on top of lima beans. Bake in a moderate oven (350° F.) about 45 minutes. Garnish with parsley and serve hot.

## Lime Salad

1 package lime gelatin	2 or 3 green onions, chopped
2 cups water	1 cup cottage cheese
1 cup cottage cheese	1 cup salad dressing
1 cup chopped celery	½ cup chopped olives

Dissolve gelatin in water and cool. Add cottage cheese, celery and onions. Place in refrigerator until set. When ready to serve mix chopped olives in cooked salad dressing and pour over top of each salad.

## Dressing for Vegetables

¼ pound bacon, diced	1 tablespoon vinegar
1 tablespoon onion, minced	¼ teaspoon celery seed
½ cup tomato juice	salt and pepper to taste

Brown bacon slightly in skillet. Drain off part of fat. Add onion and cook over low heat until tender. Add remaining ingredients and simmer 5 minutes. Serve over hot vegetables such as lima beans, spinach, turnip greens or young carrots.

## Vegetable Casserole

½ cup cooked string beans	1 cup medium white sauce
½ cup cooked carrots	2 tablespoons melted butter
½ cup celery, diced	2 tablespoons grated cheese
½ cup cooked corn	1 tablespoon onion, chopped
½ cup cooked peas	½ cup bread crumbs
1 tablespoon onion, chopped	1 cup paprika, salt and pepper

Grease a loaf pan. Place a layer of vegetables on the bottom and cover with a layer of white sauce. Repeat until pan is nearly filled. Mix butter and cheese with bread crumbs and sprinkle generously over the top. Sprinkle with paprika, salt and pepper. Bake uncovered in moderate oven (350° F.) for about 20 minutes or until brown.

## Stuffed Canned Peaches

Altho there is nothing much more delicious than home-canned peaches, even they get a little monotonous at this time of year. Here is a suggestion on how to vary them.

8 peach halves	1 egg white
½ cup raisins	2 tablespoons sugar

Soak raisins in warm water to cover for 10 minutes. Place peach [Continued on Page 17]

### Summer Sewing Favorites



9345  
SIZES  
12-20  
30-42

9044  
SIZES  
12-20  
30-42

9345—An attractive dress with squared armholes. Try a plunging neckline or Mandarin collar. Sizes 12 to 20 and 30 to 42. Size 16 requires 4 1/2 yards of 35-inch material.

9044—Sew this frock in little time. Sizes 12 to 20 and 30 to 42. Size 16 requires 3 1/2 yards; contrast 1/8 yard of 35-inch material.

9339—A big ruffly collar turns this sundress into a dress-up frock. Bloomers and bonnet included. Sizes 2 to 10. Size 6 requires 1 1/2 yards and 1/8 yard of contrast; bonnet, 1/4 yard of 35-inch material.

9249—Frock for all year-round wear. Sizes 34 to 50. Size 36 requires 4 1/4 yards and 1/2 yard of 35-inch contrast.

9469—A sun ensemble that fits you and your budget. Sizes 12 to 20 and 30 to 42. Size 16 sunfrock and jacket require 5 1/2 yards of 35-inch material.



9339  
SIZES  
2-10

9249  
SIZES  
34-50



9469  
SIZES  
12-20 30-42

### Freeze Beans at Home

CONTRARY to all advice given the rural homemaker heretofore, it has now been proved definitely that garden vegetables are exactly as good when frozen at home in the home freezer as when sharp frozen in the commercial locker. It takes more hours to freeze solidly, but the beans and peas and other foods showed no difference in eating qualities and nutritive value.

This knowledge will be greeted joyfully by the owners of home freezers. Heretofore, sharp freezing the food at home was frowned upon by most authorities. Now, the owner of a home freezer should not hesitate to use it for freezing vegetables. It is true for other garden products as well as peas and beans.

Vegetables frozen in the home freezers will have much larger ice veins than those frozen commercially. But, after cooking, judges cannot tell any difference, either in appearance or in flavor. Neither were the foods mushy, tough or fibrous. The vitamin content of the foods was the same upon examination.

Speed in handling foods is extremely important when freezing is done at home. There is danger against packing a large number of relatively warm packages close together in a freezer because this may slow up freezing enough to start spoilage. Leave plenty of air space between.

In a freezer of 15 cubic feet or larger, from 20 to 25 pints or pounds of food can be frozen. These should not be placed on top of frozen food packages, but staggered along the bottom or placed along the side with air spaces between to hasten freezing.

### From First To Last Course

(Continued from Page 16)

halves in baking dish with cut sides up. Drain raisins and fill peach centers with them. Cover with meringue made by beating egg white to which sugar is slowly added. Bake in slow oven (325° F.) for 15 to 20 minutes or until meringue is golden brown. Makes 8 servings.

### French Chocolate Cake

- |                     |                           |
|---------------------|---------------------------|
| 1/4 cup butter      | 4 squares chocolate       |
| 2 1/2 cups sugar    | late                      |
| 3 eggs              | 2 1/2 cups cake flour     |
| 2 teaspoons vanilla | 2 teaspoons baking powder |
| 1 1/2 cups milk     | 1/4 teaspoon salt         |

Cream butter, add egg yolks and beat until light and fluffy. Add half of sugar gradually, mix thoroly. Add flour and milk alternately. Add melted chocolate and vanilla. Beat egg whites until fluffy. Gradually add the other half of sugar to egg whites. Fold in lightly. Add baking powder and fold in lightly. Bake in three 9-inch layer cake pans. Temperature (350° F.) for 30 to 35 minutes. Frost with 7-minute icing and swirl around top layer.

### Creamy Icing

Confectioners' sugar icing with an extra creamy texture can be made using a white sauce base, then adding the sugar and flavoring. This type of icing was developed in the Betty Crocker kitchens.

- |                         |                             |
|-------------------------|-----------------------------|
| 1/2 cup shortening      | 1/2 cup milk                |
| 2 1/2 tablespoons flour | 3 cups confectioners' sugar |
| 1/4 teaspoon salt       | 1/2 teaspoon vanilla        |

Melt shortening in saucepan, remove from heat and blend in flour, salt and milk. Bring to a boil, stirring constantly. Boil one minute. Remove from heat. Stir in sugar and vanilla. Beat until consistency to spread. Place pan in ice water if necessary while beating to set more quickly.

### Keys to Happiness

A new playlet, "Keys to Happiness," has been written for our readers. It is suitable for school or Sunday school classes for any time of the year. It requires 7 young folks and one adult. Well suited for either small children or teen-agers. Send 5 cents to the Entertainment Editor, Kansas Farmer, Topeka, and your order will receive prompt attention.

**RED STAR Special Active DRY YEAST IS FASTER DISSOLVING**

**QUICK METHOD BREAD**

3 packages Red Star Dry Yeast	5 teaspoons salt
3/4 cup warm water	3 1/2 cups lukewarm water
1/2 cup sugar	11 1/2 cups sifted flour
	5 tablespoons shortening

Dissolve 3 packages Red Star Dry Yeast in 1/4 cup warm water. Let stand 2 to 3 minutes. Place 1/2 cup sugar, salt and 3 1/4 cups water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add half the flour and beat well. Add melted and cooled shortening, stirring vigorously. Add remainder of flour, stirring until well mixed. Place dough on lightly floured board and knead 5 to 7 minutes. Shape into smooth ball and place in greased bowl. Brush top lightly with shortening. Cover and let rise in warm place for 45 minutes. Punch dough down; shape into loaves and place in greased pans. Brush tops of loaves lightly with shortening. Cover and let rise in warm place for 45 minutes. Bake in moderately hot oven (400° F.) for 50 minutes. Makes 4 loaves.

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**MAKE THIS TEST:** Give up coffee—give up tea—drink POSTUM exclusively for 30 days—and judge by results! Remember: POSTUM contains no caffeine or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

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## A Country Woman's Journal

By MARY SCOTT HAIR

"A bluebell is the sweetest flower  
That waves in summer air;  
Its blossoms have the mightiest power  
To soothe my spirit's care."

Emily Bronte

IT HAS been raining at my house today! No, not water, that "drip-drip" as the gentle rain from heaven," but myriads of flower petals... pink and white and pinkish-white, a shower of blessing from the lavish, blossom-laden fruit trees. A softly sighing south wind blew ever so gently and petals covered the ground.

As I left for school this morning, I paused on the front step to listen to our crippled mocking bird pouring out his morning cup of melody. A rain of petals 'amidst a burst of melody so pure, so serene, started the day out with that extra-special "lift" one needs now and then.

"The mocking bird," wrote Joel Chandler Harris, "is the Shakespeare of birds; he not only sounds every note that is heard in the woods, but what he appropriates he improves upon." Shakespeare, you know, is said to have used the writings of many English authors before him, but he improved them. And that's the way the mocking bird does the melodies he literally takes from the throats of other birds... he improves them, always.

I thought about my shower of blossoms at intervals during the day and wondered if all the petals would be gone when I came home. Instead of taking the path around to the back door, I came thru the front gate to be greeted by the dreamy, drowsy hum of millions of insects dining on the tender infant leaves of the box elder tree near the front step. I sat down to listen, and I remembered something out of the Bible about a mighty stirring in the mulberry trees... the wind, or the drowsy hum of bees and small insects, busy in a world of their own. The busy hum, the activity all around me had just the opposite effect on me... or maybe I was tired from sums and dates and facts from books. It took real determination to be up and about my business once more.

At this time of year one of my favorite books is "My Father's World" by Merton S. Rice. I love the chapter about the seed. And I like the idea of a seed collection such as the author suggests. This sentence stands out, as always, in this another springtime. "There are no signs of skimping in God's workmanship." I say it to myself as a challenge, when supplies are running low, and my own spirits sag. All one needs to do, these days, is step outside one's own back door and there, in countless numbers of ways is proof that God never skimps!

With the coming of warm days our science class at school has moved its classroom outdoors, literally finding its daily lessons in the stones by the wayside. My favorite stretch of country road, beginning at the high-school campus and stretching lazily along the south slope of the hills to our ranch gate, became their open book from which many worthwhile lessons have been learned. Here they found many different kinds of trees, taking a twig from each for the wood collection.

The biggest thrill, tho, has been the daily flower excursions. Today my office desk blossomed in a new version of the song... not an apple, but wild flowers for the teacher, and she, busy with grade cards and reports, loved the flowers and their givers! If you think my knowledge of wild things hasn't paid off, then let me assure you once more that it has! Schoolkeeping is the one thing I did not plan for in my busy life, but the extra dividends resulting from my nature-study hobby have been many and varied.

When spring came to our Capitol last year, bringing troops of boys and girls from all over the state, eager youngsters with notebooks and cameras and souvenirs, I told myself, "If ever I'm a teacher I shall bring my boys and girls to our Capitol and seat

them right over there..." And there my dream, carrying a promise, faded. As I said previously, being a teacher has never been a part of my plan.

One of the first things I did when I became a part of our school system was to begin making plans for that trip to the Capitol. The dream, stated out loud, was not a dream at all, but something that COULD happen, if 37 youngsters and their 2 teachers had ambition enough to plan the dream carefully, then work the plan.

Weeks passed, pennies went into tin-can banks, plans changed, one boy left us to go to California and we spoke of his going with sadness because he would not get to go to the Capitol with us. Finally the board of education became interested and the dream became a reality!

When you were a kid did you beg your mother to let you stay all night with someone? Or was someone always coming home with you, to stay all night? That good old custom was revived, in fact some mothers thought it was worn a bit threadbare, by the time it was all over! But everyone living close in had company that night and most of them stayed the night following. My company was a little boy who slept on the living-room couch and kept things lively during his stay. We were to leave at 4 o'clock in the morning, and with 15 minutes to spare, cars were parked all around the school building. Anxious mammas gave last minute instructions and admonished me to "Take good care of Shirley" or whoever! And the bus, loaded to capacity with its precious burden of future citizens, slipped away in the darkness.

Only those who have experienced it know the thrill, the fun of that first hour in the darkness when no traffic was encountered, a few lights could be seen... just a sleepy, muted world before a new day. We spoke of the mystery of that hour before dawn. When the sun appeared, feeling ran rampant and the bus rocked with happy voices raised in song!

A typical sight-seeing day at the Capitol, the kind I so often watched other school children enjoy, the kind I wanted my pupils to remember. Crowded into those brief hours were activities so varied one would know there was planning back of it all, and every minute counted. We were introduced in the House of Representatives and the Senate. The class, already familiar with legislative processes, listened eagerly to the bits of debate and watched the voting machine with much interest.

Finally "goodbyes" were said and the bus headed homeward. The trip was not over, for at the big dam on the lake we paused long enough for part of the class to go for a motorboat ride on the lake, while the others, more scientifically or mechanically minded, toured the dam and saw its workings. Our supper of leftovers was eaten just before dark and again the heavily loaded bus threaded its way over the hills to home.

"Bliss in possession will not last,  
Remembered joys are never past.  
At once the fountain, stream and sea  
They were, they are, they yet shall be!"

### Cookbook a Best Seller

A good cookbook is ever and always a best seller. And so it is with the cookbook developed by the women of Overland Park in Johnson county. Their community cookbook is now in its third edition and they have sold nearly 4,000 copies. Orders have come not only from women in the community, but from friends in every state in the Union and some have gone to foreign countries.

Three years ago the cookbook committee of the Overland Park Presbyterian church asked for recipes from everyone in the community. "They came in vast numbers, bushel baskets full," says Mrs. Chris Segner, chairman. They were studied, sorted into 5

sections, according to type. The home economics teacher helped them with this process of arrangement. They eliminated duplications and then Mrs. Arthur Jones began the art work. And it's the art work that gives this cookbook its individuality. Mrs. Jones put all her talent into this book, her decorations appearing on every page.

To date the committee estimates that they make a profit of about \$1 on each book, the profit going toward the building of a new church. Mrs. Chris Segner is busy filling orders that arrive daily. The book sells for \$2. It might be added that she was chosen by the late Tom Brenneman, of radio fame, as a Good Neighbor several years ago. She and her husband are busy every day in activities for the improvement of community life in the Overland Park neighborhood.

### Rhubarb Marmalade

Hot muffins and marmalade! Made of delicate pink rhubarb, the marmalade will be as much a treat next winter as right now.

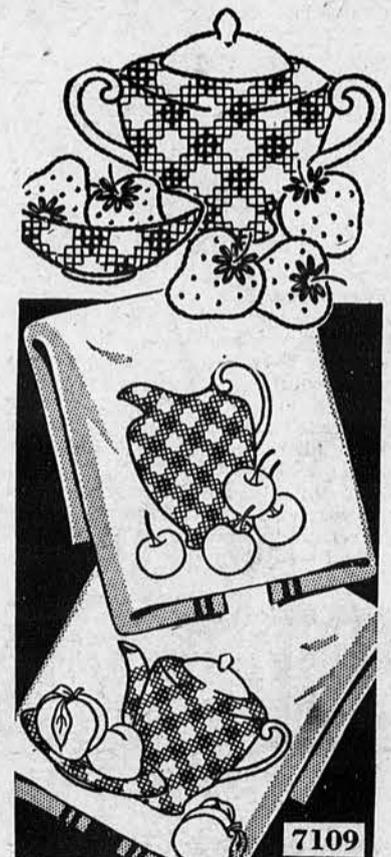
3 quarts rhubarb 1 orange  
6 cups sugar 1 lemon

Wash rhubarb and cut into 1½-inch pieces. Squeeze the juice from the orange and lemon and put rinds thru the food chopper. Mix all ingredients and let stand a half hour. Bring slowly to a boil. Let simmer about 45 minutes, or until the marmalade has a jelly-like consistency. Pour into hot sterilized jars and seal. The addition of 1 cup of seedless raisins and ½ cup of chopped nuts makes a nice variation.

### For Freezing Foods

If you are planning to freeze fruits and vegetables, a 32-page illustrated booklet on the subject gives the various steps necessary for freezing garden produce, berries and fruits. The information is reliable, concise and interesting. A free copy of the booklet, "Home Freezing of Fruits and Vegetables," No. AIS-48, will be sent upon request to Bulletin Service, Kansas Farmer, Topeka. Please order by number.

### Simple As Pie



Only 5 crosses to the inch. You'll finish these gay designs in no time. And don't they look like gay gingham applique? A child can do this fun-embroidery. Pattern 7019 and transfer of 6 motifs 5½ by 6 inches.

To obtain this pattern send 20 cents to the Needlework Editor, Kansas Farmer, Topeka. For 15 cents more you will receive the Needlework Catalog, which shows illustrated designs in crochet, knitting, embroidery, quilts, toys.

## How Sunshine Will Help

By CHARLES H. LERRIGO, M. D.

**I**F DOCTOR insists upon cod-liver oil (or other fish oil) for the children, long after baby days, it may be his knowledge of the family history urges him to make particularly sure against rickets. We don't see so many rickety children of late years, but the ailment still exists and its cure still depends upon sunshine and vitamin D. (so properly called the sunshine vitamin). Rickets is one disease much more likely to be found in northern temperature climates than in the sub-tropical and tropical, due to the fact that exposure to the rays of the sun in southern climes favors the necessary vitamin D, and vitamin D is preventive medicine.



Dr. Lerrigo

Rickets usually appears at about 6 months, the most common ages being 6 to 18 months. It is less likely to be severe in breast-fed children, unless a mother prolongs nursing to such a degree that the child is kept from varied diet that should be given after the eighth or ninth month of life. The reason the doctor insists upon cod-liver oil is because of its vitamin D content, as much a magic medicine against rickets as penicillin is against pneumonia.

### Must Begin Early

Rickets was never properly understood until the discovery of vitamins. It is now taught that attention must be given to 3 particular features of a child's life, if rickets is to be prevented, and this attention must begin in the earliest days.

These 3 things are (a) calcium and phosphorus in the food in right amounts; (b) intake of vitamin D as in cod-liver oil; (c) the health-giving rays of direct sunshine.

So now is your time. Sunshine is here in abundance. Use it discreetly but with great regularity. It must be borne in mind that rickets is a disease in which bony growth is irregular and deficient, probably because of lack of mineral

elements. Extreme cases of deformity in which exaggerated bowing of the legs makes the afflicted child a grotesque image are almost always chargeable to a failure of mineral matter in the growing bones, due to rickets.

That deficiencies of diet do not produce such symptoms in every ill-nourished child is due to the fact that the essential vitamin D is a product of sunshine.

### Can Prevent Damage

The mother who is anxious to save her child from rickets should remember that she herself may well contribute to prevention by seeing that her food in the prenatal period contains plenty of eggs, butter and milk. She may also take cod-liver oil. It is well that mothers give these matters consideration from the early days of pregnancy, because if rickets attacks a child and continues during the first year of life, it does damage that is hard to repair.

### Value in Test

*Is there much value to a blood test where my doctor takes a few drops and sends it away to get a diagnosis?—S. R. M.*

A blood test properly taken and skillfully examined will give reliable information as to the presence of pernicious anemia, malaria, and many other ailments. But it is only one part of an examination. It does not tell the whole story and in some ailments tells nothing at all.

### Ridiculous Alarms

*Is it true that cream in coffee may lead to serious stomach disorders? Is it dangerous to drink milk and eat salmon at the same meal? I have read that no one should drink milk within 2 or 3 hours after eating any kind of meat.—Doubtful.*

I do not see menace in any of the things you have mentioned. I believe I can give you no better advice than to avoid the ridiculous alarms of food faddists. Use common sense about your eating and drinking, of course, but pay no attention to absurdities.

## A Level Yard Pleases the Family

**I**S YOUR farm home located on a slope? As a result, do you have difficulty with erosion and find it impossible to establish a good lawn? If you have such a problem, read this story about William Steppe, of Geary county.

The Steppe home is on quite a steep slope in the Bluestem farm country of Geary county. The family had never been able to have a lawn and the yard was always washed badly after every rain. Now, they are well on the way toward a complete cure of the problem.

First, a diversion ditch was built above the farmstead to carry all water from the hillside above around the farm buildings and yards.

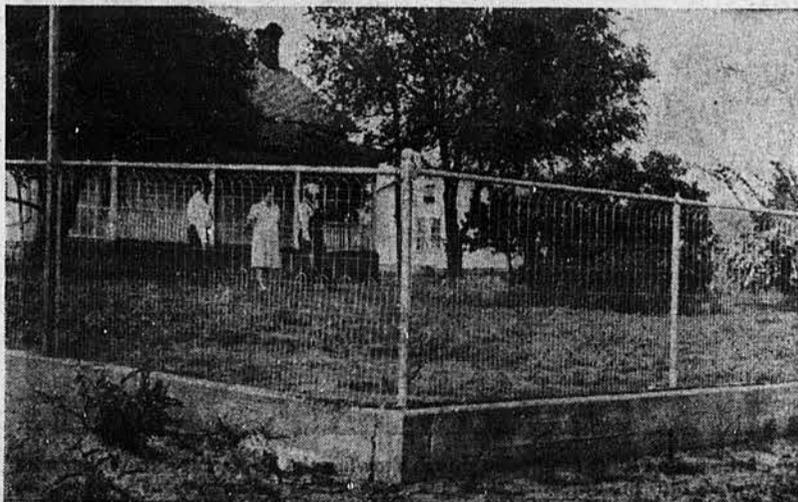
Then, the Steppes outlined the size of the yard they wanted, put in a concrete retaining wall topped by an attractive fence, then filled in the yard so

it is now level. Mr. Steppe hauled 200 5-yard loads of soil to level the yard.

These preliminaries are finished now, and the family is ready to start landscaping. Another improvement will be a circular driveway that will go around the house and back out to the highway, eliminating the present problem of visitors having to turn around.

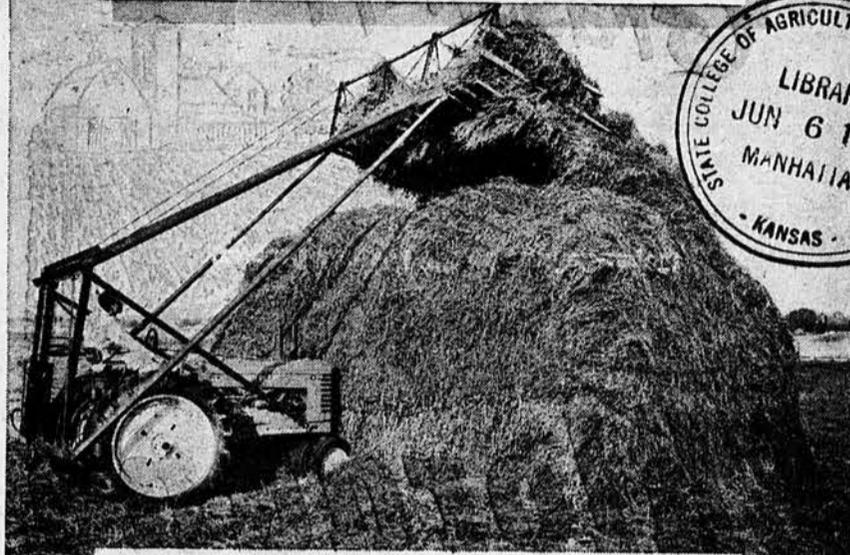
The Steppe house is not being neglected either. A water system was installed 3 years ago. This year the kitchen was completely remodeled to include modern built-ins, and a former pantry off the kitchen was converted to a 3-piece bath. A gas floor furnace was installed for heat and the family is thrilled with its carefree efficiency.

When the yard is completed, the outside of the house will be modernized and the job will be done.

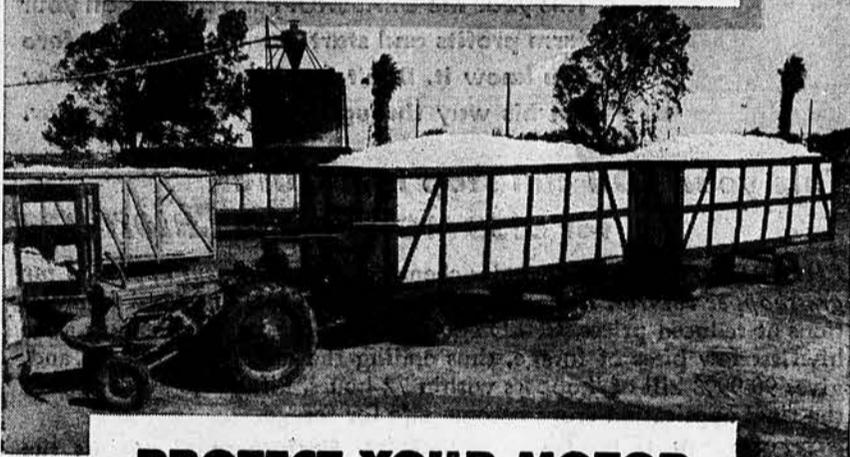


Mr. and Mrs. William Steppe, Geary county, show County Agent Paul Gwinn how they have leveled and fenced their front yard for landscaping. It is the first step in a general improvement program.

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**Chlordane**

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**This year YOU can stop him QUICK for LESS MONEY with Chlordane**

CHLORDANE, the new wonder chemical, is government approved for grasshopper control. And, you can NOW get CHLORDANE formulations at reduced prices. CHLORDANE stops the hopper's eating after his first few bites of forage, thus ending the damage at once... and, gives 90-99% kill of 'hoppers within 72 hours. Fifteen to 20 days after the final application crops become safe for forage.

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**Two Churches Join**

*Belle Plaine-Palestine Consolidation Reflects Changing Times*

By T. RUSSELL REITZ

THE Methodist people in the Palestine church in northeastern Sumner county are joining with the Methodists at Belle Plaine. The Palestine church building is being moved and will be joined to the Belle Plaine church. These consolidations reflect the changes that have occurred over a period of several years in this community. These changes are typical of similar situations in many other locations. In no sense should they be looked on as a retreat by the church.

The Palestine church was built in 1914. It was organized by rural families who desired to have a church in their midst where they could worship and raise their children under formal Christian influence. When it was built, the men of the community furnished most of the labor. The cash cost was \$2,200. As a boy of 10, I remember how the men came together to dig the basement and later to pour the concrete. Later they met to do the carpentry work. On the day of dedication, all-day ceremonies were held with the building crowded by the families of the community who met first for morning worship, followed by a basket dinner and afternoon dedication.

While most of these families resided on the adjoining farms, it was not unusual to have over 150 people at morning services and most of the same group present at night. The church served as headquarters for several social programs thru the year. Boys and girls met there and went on wiener roasts and on the nights during the summer when the Ladies Aid served homemade ice cream and cake there were always certain competitions among the boys for the honor of buying the popular girls their refreshments.

**Performed Outstanding Service**

But the primary business of the church was kept to the forefront. The ministers were young men who attended Southwestern College and who were preparing themselves for full-time ministry in the church. Evangelists came to hold revival meetings. Many people accepted the Christian way of life under such leadership. Gospel teams of young people from Southwestern came one or more times during each year and conducted week-end services. These young people were very effective in interesting Palestine boys and girls in the Christian life. The net result was that the Christian concept was made to glow with life in this community. The Palestine church performed outstanding service for years in giving to many people their basic training and understanding of Christianity.

As the years passed, changes began to occur in the families of the community. There were funerals in the church. One by one the fathers and mothers who had worked so joyously and dili-

gently in the church passed to their reward. Boys and girls on the farm grew to maturity. The community was not able to provide new farms or jobs for all of the young people. Most of them had to look elsewhere for a livelihood. When this process started, some of the life of the Palestine community and church began to disappear. There have been progressively fewer people to be served.

These changes in the rural community have shown themselves in numerous ways. Rural-school attendance was affected. In 1914 there were 4 rural schools in this church community. In these schools there were from 25 to 45 children in each school. One by one the schools closed. Today there is not one of the 4 operating. Three of the 4 buildings have been sold and moved. The passing of the 1-room schools resulted in the smaller number of children being taken to the larger community centers to school such as Belle Plaine and Oxford.

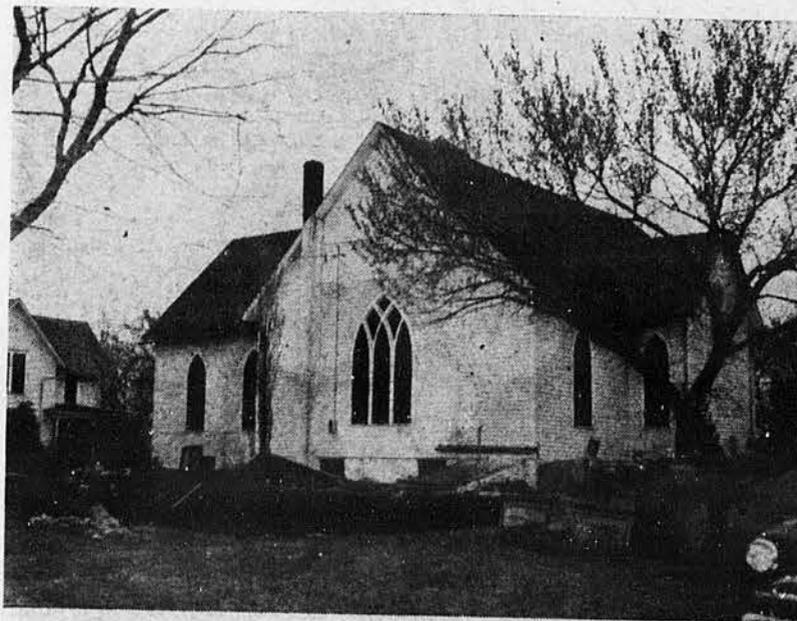
The size of the farms increased. Several farmsteads have been abandoned. Buildings on others are not being maintained. Unless a change occurs it is apparent that there will be additional abandonment of buildings, leaving possibly only the houses at these locations. Where this has occurred, the people who live in the houses are working for other farmers or are in industrial work at nearby towns. In some cases the farm families have moved to town. The men drive out from town each day to do their farm work.

**Other Communities Change, Too**

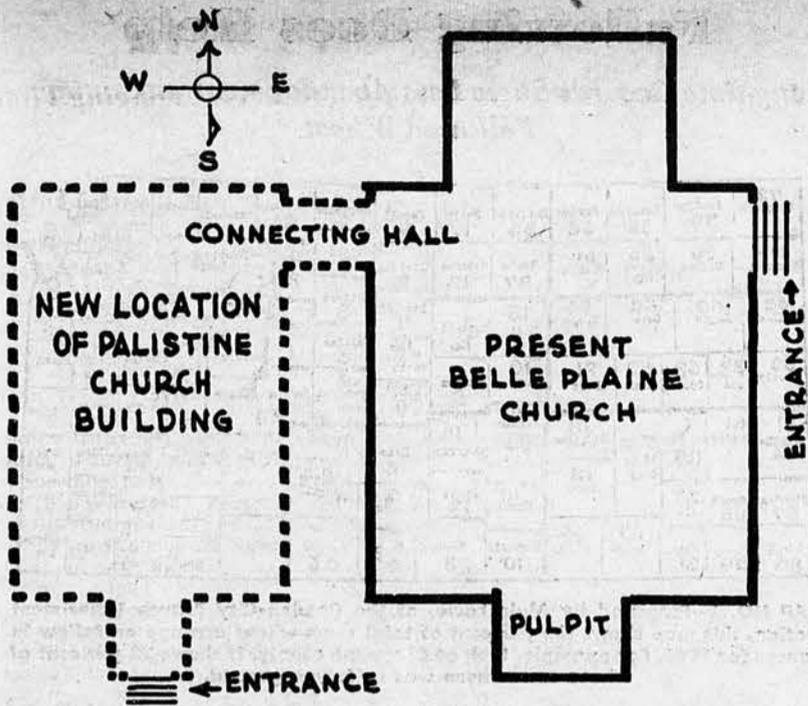
The changes described which are so real in the Palestine community are similar to the changes that have occurred or are occurring in other rural communities. Without looking at the fundamental rural sociology involved, some people take the view that the rural church is a special problem. In the Palestine community, the church was built by the people who desired a place to worship. Now that fewer people live in this rural community, with more people living in the present community center at Belle Plaine, it seems logical that the people should need a larger church plant at the location where the people are. The church consolidation is in keeping with this change.

My father, T. Max Reitz, who was one of the leaders in organizing and building the Palestine church and who still lives on his farm less than a mile from the church, describes the changes this way. He says, "the case of the Palestine church offers a very good example of what has happened to the country church and the possible outcome and perhaps the solution to the situation. Because of shift in population and community interest, the country church really starved out. The town

(Continued on Page 21)



View of the Belle Plaine Methodist church showing the basement excavation now underway so that the Palestine church may be joined to the present Belle Plaine church building. The change is being made because of changing rural conditions affecting the number of farm families on the land, consolidation of schools, improved roads. (Photo by Harold Shankland, Kansas State College Extension Service, Manhattan.)



This floor-plan drawing shows how the 2 church buildings will be connected. The enlarged building will make a more effective church program possible.

or city nearby has absorbed the membership and in our case the building itself. That being the case the city should shoulder the responsibility for the spiritual welfare of the area abandoned by the rural church. No doubt many churches in the city will take on this responsibility."

The consolidation of building and congregations can be a time of additional advance. The degree to which it will be an advance will depend on the vision of the leaders of the larger church. The Belle Plaine church has assumed the building assets and a larger field for service. To live up to their high calling they must assume full responsibility to service the people of the whole community. It is probable that this will require changes in church organization and program.

In the matter of church organization, the official board will need to be people who represent the larger parish. The unit plan of organization now used successfully in several Methodist churches may have great adaptation to give this wide geographical representation on the board. There will need to be reconsideration of the church budget. The budget may properly include a mileage allowance for the minister or other workers to travel the greater distances into the country. With one minister to service the larger territory it is desirable that he be provided with a church office and a combination church secre-

tary and religious-education director to expand his effectiveness. In too many points church ministers are not only expected to preach one or more sermons each Sunday and do the other ministerial work of the week, but they are expected to maintain all of the church records, typewrite and mimeograph the weekly bulletin, and do dozens of other duties.

Failure at this point on the part of the larger church will mean no advance. In fact, a retreat may occur unless the plans are adequate to make the church program effective to all of the people, whether rural or urban.

There are towns in Kansas where the church program is not effective in servicing the people on the farms. Efforts may be very good in reaching the people in the city, but a noticeable drop in effectiveness occurs as soon as the city stops. There needs to be more vision on the part of church leaders at this point. Church boards of laymen need to face their own church deficiencies realistically. If the church program is to be effective, the laymen must support it financially and otherwise.

There is every reason to believe that the expanded Belle Plaine church will reach up to its enlarged opportunities.

In addition to his duties with the Production and Marketing Administration, Mr. Reitz is prominent in Methodist church work in Kansas.



Front view of the Palestine Methodist church, Sumner county, Kansas. Built in 1914 and being moved this spring to Belle Plaine. The Palestine congregation and church building are being incorporated into the Belle Plaine church. (Photo by Harold Shankland, Kansas State College Extension Service, Manhattan.)

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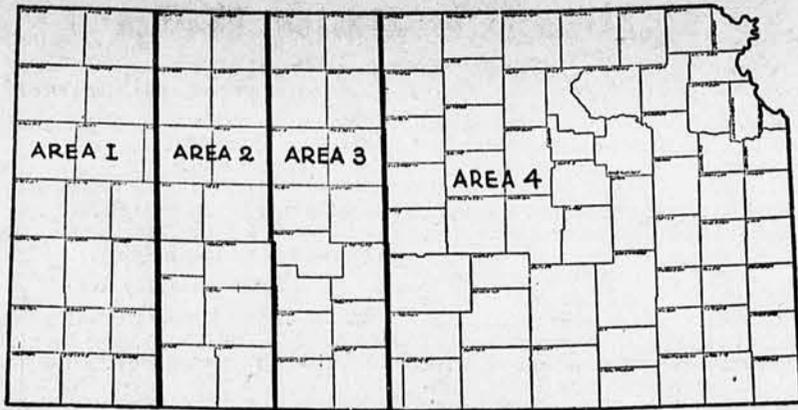
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**MAP NO 3**—This map indicates recommended fallow practices for Kansas by areas as follows: Area 1, alternate crop and fallow. Area 2, one year fallow, 2 years cropping. Area 3, one year fallow, 3 years cropping. Fallow not generally recommended in Area 4. Compare these 3 maps to see how closely the recommendations were borne out in 1948.

cropping in area 2, and fallow followed by 3 years of cropping in area 3. Fallow is not generally recommended for area 4.

Abandonment figures, as shown by the other 2 maps, fit very closely with the recommendations in map 3.

All this means that the best methods of fallowing, as recommended by the Kansas Experiment Station, should be practiced. However, even fallow will not guarantee a wheat crop if moisture is not sufficient. Records show that wheat failed 50 per cent of the time prior to 1942 on fallow at Garden City. Authorities agree that wheat should not be seeded even on fallowed land unless there is a good supply of available

moisture in the soil at time of seeding.

However, fallow is so important in aiding the stabilization of wheat production in the western one half of the state that a portion of the cultivated land should be in fallow each year, authorities claim. This applies to years of high yield as well as to those of low production, and to years of high soil moisture content at seeding time as well as years when the moisture content is low.

Some of the greatest responses from fallowing occur in the dry years following years of relatively high rainfall. The practice of seeding every acre of land to wheat during favorable years is not proving sound.

### Farming Is Different In This State

I WOULD just be kidding myself if I tried to farm up in this country without the help of the veterans On-the-Farm Training Program," says Henry Kilburn, Shawnee county veteran.

Mr. Kilburn was born on a farm in Kentucky and what farm experience he had before coming to Shawnee county was no help to him here. "Everything is different in this state," he explains, "the soil, the climate, the crops and everything else that is important to success." Mr. Kilburn is taking his veterans training at Silver Lake.

Fate played a part in Mr. Kilburn's choice of Shawnee county as his future farming home. While still in the army in 1946, he visited some relatives in Rossville. During a drive around the country, just looking around, he saw his present farm, fell in love with it, and didn't rest until he had the title in his name.

Like many others, tho, he found that all that glitters is not gold. His farm has only 100 acres and, says Mr. Kilburn, "I find it isn't large enough to make either a good cash-grain farm or a beef-cattle farm."

He took possession in November, 1947, and has been trying to work out a crop rotation that will suit him. At present, the farm has 20 acres of brome, lespedeza and sweet clover; 6 acres of alfalfa and the rest row crops. Mr. Kil-

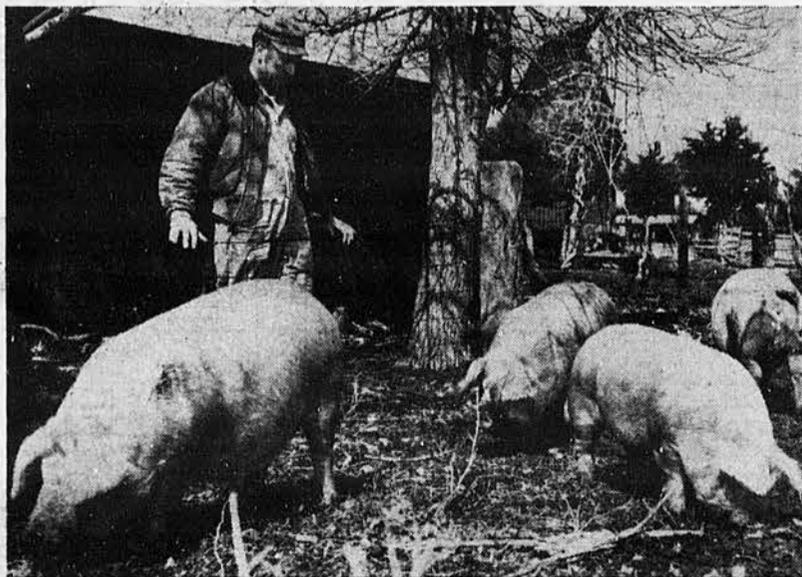
burn wants to increase his grazing area to 30 acres of the brome, lespedeza and sweet clover and 15 acres of alfalfa. He then will use oats-sweet clover and corn in rotation on the rest.

His present livestock consists of 6 beef cows, 26 steers and heifers, and a few hogs. "Not enough to do a real job," he concludes. Right now he is planning to switch to a grade-A dairy farm the last of this year. Changing to dairying should solve his problem of finding a major project that will pay out on his small acreage.

When Mr. Kilburn bought his farm he made one mistake and would like to pass along the information so it might help someone else. He had some capital at the time of purchase and paid 50 per cent of the purchase price in cash. "That's where I made my mistake," he says. "I should have taken a larger loan and kept part of my capital for operating expenses."

But, don't get the idea that Mr. Kilburn is unhappy with his deal. He isn't. He is enjoying the job of getting acquainted with his new farm. He likes the veterans training course and he likes Kansas agriculture.

During the World War he was in Europe with the air-borne infantry from January, 1945, to March, 1946. He went thru the Battle of the Bulge and fought in Central Germany. Having a farm of his own looks pretty good.



Henry Kilburn, Shawnee county farmer taking Veterans On-the-Farm Training, says "I couldn't farm without it." He thinks his farm is too small for general livestock or cash-grain farming, so these hogs probably will move out to make way for a dairy herd.

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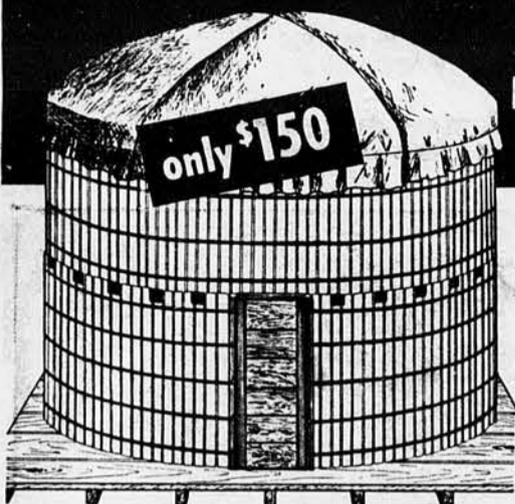
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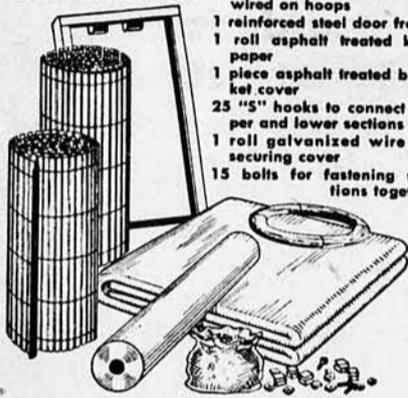
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  - 1 roll galvanized wire for securing cover
  - 15 bolts for fastening sections together



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## Royal Dairy Show Gets a Good Start

THE American Royal Livestock and Horse Show has thru the years become one of the nation's most colorful farm events. Truly a gala event, this show has featured "society" horses, famed herds of beef animals and fat stock.

The brand-new spring American Royal Dairy Show and Rodeo is a "horse of a different color." Held recently in the Royal building at Kansas City the dairy show was a "farmer" show, with the emphasis on educational and practical classes of producing dairy animals. There were few professional showmen and the more than 800 head of dairy animals were entered by several hundred exhibitors, most of them small breeders.

The rodeo, which was frankly designed to foot much of the bill, added color to this show, too. It was a big-time show to rank with the major rodeos of the nation.

But it was the dairy show that made news. First of all, the animals in the show were hand-picked—they were the winners of their districts or parishes. In some cases district committees made the selections.

Next, every animal got in on the prize money, the money was paid for expenses in bringing the cattle to the show. Winners in the classes received only ribbons, and of course the glory of winning in a major show. The money was paid according to the distance from Kansas City. There were several zones and each zone received a different amount, ranging from \$14 to \$18 a head. Total cost was about \$20,000 to the show.

### Plenty of Friendly Rivalry

The whole show reflected the spirit of friendly rivalry—there were none of the bitter feelings that sometimes accompany major shows.

There was money awarded in the group classes, and the groups were made up of animals from the districts or parishes. District herds competed against other district herds.

Most of the cattle were from Kansas and Missouri, a few were from Okla-

homa. Except for the Ayrshire show, in which only a few head of Missouri cattle were exhibited, honors were fairly well divided.

The show attracted many dairy experts, as well as practical dairymen. We asked many of these men what they thought of the show. Typical was the answer of Bill Keegan, Jersey Cattle Club fieldman.

### For Smaller Breeder

To the casual visitor the spring version of the Royal may have been disappointing. There was a small display of exhibits, fewer sideline activities. This show was definitely for the smaller breeder.

Perhaps it is true that dairy cattle do not require the extra fitting that

### It's Picnic Time

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beef cattle do to compete in the ring. Beef animals must be heavily fleshed and well trained to win in the big shows. The milk cow is naturally well trained and she does not need to be in flesh. Perhaps this accounts for the fact that the small breeders seem better able to compete with the larger herds in the show ring.

Certainly, this new departure in the livestock show field, deserves a good hand for its efforts to be constructive. If this show can win popular approval of both farmers and the business men of Kansas City who must support it, it is destined to be a major show, many folks agree.

In the show ring here are some of the top Kansas winners:

#### Holstein

- Grand champion cow — Heersche Brothers, Mulvane, Kan.
- Reserve champion cow—George and Dwight Stone, Sharon, Kan.
- Reserve champion bull—T. Hobart McVay, Nickerson, Kan.
- State herd — Arkansas Valley District, Kansas.

#### Milking Shorthorns

- Grand champion bull—John Garetson, Copeland, Kan.
- Reserve champion bull—Joe Hunter, Geneseo, Kan.
- Reserve champion — Joe Hunter, Geneseo, Kan.
- State herd—South Central Kansas.

#### Ayrshire

- Grand champion bull—W. S. Watson, Hutchinson, Kan.
- Reserve champion bull — Richard Scholz, Lancaster, Kan.
- Grand champion cow—W. S. Watson, Hutchinson, Kan.
- Reserve champion cow—W. S. Watson.
- State herd—Kansas.

#### Brown Swiss

- Grand champion cow — Dewey Schultz, Pawnee Rock, Kan.
- State herd—Kansas.

### Garden Bulletins

The following miscellaneous Kansas State College publications may be ordered from Farm Service Editor, Kansas Farmer, Topeka. They are free as long as the supply lasts.

- Cabbage Diseases, Their Control.
- Tomato Diseases, Their Control.
- Garden Pest Control in Kansas.
- C-158—Farm Garden Irrigation.

"This will grow to be one of the major dairy shows of the country, because it has so many good features," he said.

About the only disappointment in the show was the slim crowd watching the judging of the dairy animals. It was pointed out that the show came at a busy time of year for farmers, that the public must come to appreciate the show.

### Type Schools Appreciated

One of the features of the show that was well received was the type schools for breeders conducted by each of the breeds. The judge of the show would take classes of animals and discuss placings. This is an effort to train more breeders to be capable judges at smaller shows and fairs. These lessons were extensive and included major and minor points in judging animals.

Another feature of the show was the classes for animals with particular good points, such as breed character, breed type, feet and legs, and back and rump. At first these classes were competitive, but later in the week they were turned into educational demonstrations of both the good and the bad examples of these points. In competition the breeders were



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**Farmstead  
Windbreaks**

**A**N EFFORT is being made by sev-  
eral Seward county farmers to  
establish windbreaks. These farm-  
stead windbreaks are generally ac-  
cepted now in most of Central Kansas,  
but have not met with much favor in  
Southwest Kansas because of 2 ob-  
jections: The amount of water needed,  
and the accumulation of Russian thistles.

However, windbreaks can be es-  
tablished and maintained in this area  
and are worth the trouble, believes  
V. S. Crippen, Seward county agent.

We recently inspected the farmstead  
windbreak being established on the  
Ben. F. Jerman farm, in Seward  
county. He has 500 multiflora rose  
plants in the outside row on the South  
side. These are supplied now by the  
State Fish and Game Commission.

Inside this row are 2 rows of red  
cedars set 7 feet apart in rows 14 feet  
apart. The next row is mixed fruit  
and foliage trees. It includes hack-  
berry, green ash, pear, cherry, plum,  
peach, apricot and honey locust. "I  
don't expect to get any fruit," says  
Mr. Jerman, "but the trees will add  
beauty to the farmstead."

Next comes a row of Chinese elm  
set 14 feet apart, then a row of Chinese  
hedge set 5 feet apart, with 2 multi-  
flora rose plants in between.

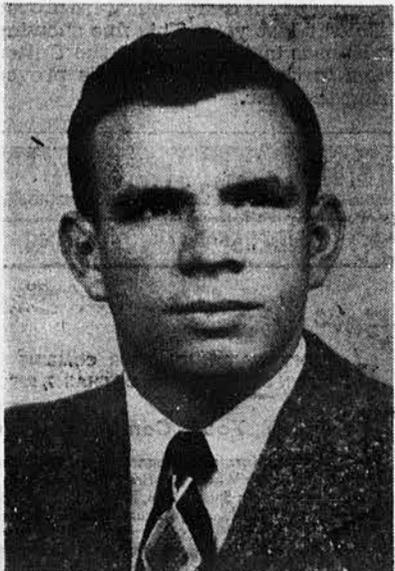
Mr. Jerman is sure his windbreak  
will do well as he has many successful  
plantings about the yard and garden.  
"I have never lost an evergreen tree,"  
he states. He finds the most success-  
ful month for setting out evergreens  
is December. In planting cedars, he  
warns, you should be very careful not  
to disturb the original soil around the  
roots.

Space in between the rows of trees  
and bushes in the Jerman windbreak  
were mulched last winter with bun-  
dles of sorghum stover, laid side by  
side. Next year he will mulch with a  
foot of clean wheat straw. Cliff Brown  
and Carl Brollier, also of Seward  
county, put out farmstead windbreaks.

**Earns a Scholarship**

Kansas Farmer recently published  
the photographs and names of the 2  
Capper 4-H scholarship winners for  
1948—Betty Stephens, of Kanorado,  
and Bob Gentry, of Rossville. J. Harold  
Johnson, state club leader, now advises  
that Bob Gentry cannot accept the  
scholarship and that John Clark Wilk,  
of Sedgwick county, who was named  
an alternate, be recommended to re-  
ceive the award.

John, who is 20, has been a member  
of the Ninneseah Valley 4-H Club in  
Sedgwick county 7 years. He carried  
junior leadership 4 years and has done  
outstanding work, including a great  
deal of committee work, planning the  
district livestock judging school and  
planning club meetings. He is a mem-  
ber of the Collegiate 4-H Club at col-  
lege, member of the State Who's Who  
Club, and has been a member of the  
county judging team several times.  
John has had a total of 49 dairy pro-  
jects during his club work, also carried  
swine, wheat and beef projects. He has  
been a member of the county judging  
team in dairy 7 years, was high in-  
dividual in the National Judging Con-  
test, 1947.



John Clark Wilk



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## William Janssen Heads Kansas Flying Farmers

WILLIAM JANSSEN, McPherson, was named president of Kansas Flying Farmers, during the recent business meeting of the group at Dodge City. He succeeds Ailiff Neel, Windom. The business meeting was part of the fourth annual convention of the Kansas flyers organized by Kansas Farmer in the spring of 1946.

Last year's vice-president, Earnest Bressler, of Bird City, was re-elected to succeed himself in that capacity. And Loren C. Bell, McDonald, who served as a member of the board of directors last year from the fourth district, was named national delegate.

As a result of action taken during the annual meeting, a new post on the board of directors was created to represent the wives of flying farmers in the state. The new post is second vice-president. Mrs. Howard Culbertson, Sterling, was elected to that position. Membership in Kansas Flying Farmers went beyond the 600-mark by the end of convention time this year, and about 50 of those memberships belong to the wives of the flyers who each year are taking a greater interest in the activities of their flying husbands.

Due to its large membership, the Kansas group now is represented by 3 delegates to the national board of directors. In addition to Mr. Bell, the president and immediate past president are the other 2 delegates. They include Mr. Janssen and Mr. Neel.

Ed Rupp, associate editor of Kansas Farmer, who has served as secretary-treasurer for the Kansas flyers since the group was organized in 1946, was reappointed to that position.

### Governor Carlson Main Speaker

Annual banquet of the Flying Farmers on Monday night, May 23, was attended by 216 persons. Gov. Frank Carlson was the speaker for the evening. Pointing to the important role that Kansas has played in the development of aviation in the past, Governor Carlson reminded the Kansas flyers that they have a definite responsibility in furthering the development of aviation in the future.

Governor Carlson was introduced by John B. Hughes, master of ceremonies for the evening. Mr. Hughes, widely known radio man, of Colby, pointed out that Governor Carlson makes much use of the airplane in filling his many appointments. Because of his interest in aviation, Governor Carlson was named an honorary member of the Kansas Flying Farmers and was presented with a certificate of membership.

Governor Carlson flew to the convention site from Topeka in a plane made available by the Cessna Aircraft company, of Wichita.

Also receiving an honorary membership was Riley Whearty, Topeka, aviation director with the Kansas Industrial Development Commission.

Top man in the second annual efficiency race was Howard Thompson, Burdette, who accumulated a final score of 97.84 to win the Piper class award and the Kansas Farmer grand-championship trophy. Second place and winner of the Luscombe award went to Keith Rosson, Plains, with a score of 97.78. John Poole, Junction City, won third place with a score of 96.80 and was top man in the Cessna division.

### Top Dairy Judges

Results on the various spring dairy shows are still coming in. Here are the results of the Kansas Farmer judging contest for several spring shows not previously reporting.

#### Brown Swiss

**DISTRICT No. 1:** Paul Timmons, Fredonia, 1st; Mrs. Ted Kirton, LaHarpe, 2nd; Kenneth Kerns, Topeka, 3rd; Mrs. Kenneth Kerns, 4th; F. S. Hampton, Hartford, 5th.

**DISTRICT 2:** Chris Schmidt, Newton, 1st; Keith Nelson, Abilene, 2nd; Floyd Rempel, Hillsboro, 3rd; Curtis Unger, Burden, 4th; Paul Rempel, Hillsboro, 5th.

**DISTRICT 3:** Arthur Duwe, Freeport, 1st; Herbert Duwe, Freeport, 2nd; Bill Timmerman, Freeport, 3rd; Phillip Duwe, Freeport, 4th; Wilber Yorder, Danville, 5th.

**CENTRAL CANTON:** Earl Webber, Arlington, 1st; J. W. Zimmerman, Abbyville, 2nd; F. M. Webber, Kingman,

and Mrs. Earl Webber, Arlington, tied for 3rd and 4th; Ross Zimmerman, Abbyville, 5th; Howard Lutes, Cullison, 6th.

#### Jersey

**SOUTH CENTRAL PARISH:** Hugh Wilk, Clearwater, 1st; John Weir, Jr., Geuda Springs, 2nd; Clayton Martin, Corbin, 3rd; Dale Rigg, Leon, 4th; Elton Young, Cheney, 5th.

### New Commissioner

A new livestock sanitary commissioner for Kansas will take office August 1. He is A. G. Pickett, Manhattan, who has been in charge of the new pasture utilization project and beef cattle investigations at Kansas State College. Mr. Pickett will replace Will J. Miller, who resigned recently after serving as livestock sanitary commissioner since 1938.

Mr. Pickett is well known to Kansas livestock men since he has served in a



A. G. Pickett

number of important positions over the state. His experience includes positions as county agent of Kiowa county, Extension livestock marketing specialist at Kansas State College, farm assistant at the state reformatory in Hutchinson, and high-school principal at Ozawkie.

He was reared on a Chase county ranch, received his AB degree from the College of Emporia and his BS degree in agricultural economics from Kansas State College. He is married and has 3 children.

### More Turkeys

The turkey supply for the next holiday season will be greater than last year, reports the USDA. Farmers reported in January that they intended to raise about 25 per cent more turkeys in 1949. Records of hatchings in the early months of this year indicate production will be increased more than 25 per cent. This means prices on turkeys will be lower than last year.

### Good Bull Showing

A total of 151 dairy bulls were proved in Kansas last year. This fine showing put Kansas in 13th place in the United States in the number of bulls proved during the year.

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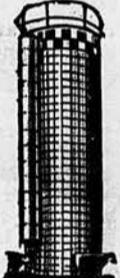
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## Brannan Plan

(Continued from Page 7)

gram became effective in 1951, cash farm income would be held to the average of the years 1939 to 1948, inclusive, including the good cash incomes of the war years and the even better cash incomes of the immediate postwar years. At the same time, thru allowing prices to fall or rise in a (comparatively) "free market," consumers would get the benefit of low food prices.

What the Brannan Plan seems to promise might be summed up this way:

1. Farmers will get high prices for their production.

2. Consumers will get food at low prices.

3. Farmers and consumers will join to elect Democrats to Congress who will enact the Brannan program into law—and also assure the Administration of a 1951 Labor Congress.

Reads like a new variation of "high, low, Jack and game," doesn't it, with the taxpayers' Jack paying for Truman's game?

Of course, the program will have to be subsidized—heavily at times—from the Federal Treasury. And in order to hold down the subsidy-loss payments, the Administration will have to have authority to control very strictly the production and marketing of all farm commodities.

The Brannan program certainly glows with "charm." As former Senator Capper, of Kansas, veteran of the better part of 4 decades in public life, told members of the Coffey County Farm Bureau last month, the program certainly is loaded with tempting bait for both farmers and consumers. "It is evidently planned," he said, "to catch 'em coming and going." Then added: "And it may work out just that way."

Far be it from this observer to throw cold water on any proposal for high farm incomes. But a few words from Thomas S. Holden, President, F. W. Dodge Corporation, on "The Great Illusion: An Inexhaustible Public Purse," may not be impertinent at this point. "This is the Great Illusion," according to Mr. Dodge: "The Belief that the Federal Government's resources are inexhaustible and free."

"From 1930 thru 1946, the Federal Government spent more than it took in for several reasons: (a) necessity, as in financing the recent World War II; (b) a vain effort to promote recovery, as in the 1930's; and (c) misguided paternalism, as in the grants, subsidies, and other hand-outs so lavishly distributed."

This "illusion"—if it is an illusion—seems to have a certain temporary substance when the Government is spending more than it takes in, as was the case in the years cited by Mr. Holden.

An individual could enjoy the same "illusion" of prosperity if he mortgaged his property, and then called the borrowed money "income," and proceeded to spend it as income.

Over the long pull, however, according to Mr. Holden, and according to the lessons of history, it is evident that the people pay for all they get from Government, plus interest charges from

past periods of deficit financing, plus the overhead costs of maintaining an increasingly large staff of administrators and bureaus to handle the collection and distribution of the "free" money, and enforcing the control regulations that are necessary to such a program.

Anyway, the Des Moines Democrat Midwest Conference to sell the Brannan program to Democrat workers and farmers ought to be an interesting session. It will be interesting to note whether the conference stresses most the benefits to farmers and consumers, or the political advantages to be gained from selling the program to farmers and consumers. It will not stress the costs.

Here is the picture of the Federal Government in the 3 fiscal years 1949, 1950 and 1951, as seen by Sen. Harry F. Byrd, of Virginia, chairman of the Congressional Joint Committee on Reduction of Non-essential Federal Expenditures—a "Byrd's Eye" view of the future, so to speak.

Fiscal 1949, ending June 30, 1949:  
Income ..... \$39,500,000,000  
Expenditures ..... 40,300,000,000  
Deficit ..... 815,000,000

Fiscal 1950, ending June 30, 1950:  
Income ..... \$40,900,000,000  
Expenditures ..... 44,200,000,000  
Deficit ..... 3,200,000,000

Fiscal 1951, ending June 30, 1951:  
Income ..... \$40,900,000,000  
Expenditures ..... 48,400,000,000  
Deficit ..... 7,000,000,000

These estimates, Senator Byrd says, are decidedly on the conservative side. "They include no more than a moder-

### A United Nations Party

Your club may be interested in a United Nations program. If so, you may obtain a leaflet prepared for this special purpose. It gives suggestions for the invitations, the necessary committees, and table decorations. Send 3 cents to the Entertainment Editor, Kansas Farmer, Topeka.

ate increase for agricultural subsidies, even under the present program," according to Senator Byrd. "They would rise sharply with precipitate decline in farm prices. These estimates do not contemplate at all the adoption of the new, so-called Brannan Plan, which may cost billions more.

"These estimates do not contemplate a 70-group air force. They do not cover any expansion of universal military training, as recommended by the President. These estimates do not include the proposed medical care insurance plan, the cost of which, when fully effective, has been estimated at from 6 billion to 10 billion dollars annually. If vast projects like the St. Lawrence Seaway, new TVA's, and so forth, were undertaken, they would be in addition.

"The perilous fiscal situation confronting us is emphasized by the statement of the experts from the Joint Committee on Internal Revenue Taxation, that a 10 per cent recession in the aggregate personal income of all citizens means a loss of 5 billion dollars annually in the present tax revenue. Should even this minor recession occur, the deficit estimates I have given you would have to be increased by 5 billion dollars, while a 20 per cent recession would mean a loss in tax revenue of 10 billion dollars."

### Cheesecloth Saves Time

During the winter months I always keep a piece of cheesecloth in all my hot-air registers. These can be taken apart once a week and replaced after shaking out the accumulated dirt. It also is fine for catching bits of popcorn, candy or toys, which little tots enjoy poking thru the registers.—Mrs. L. R.

### Preserve Clotheslines

To preserve the life of a wire clothesline, coat it with shellac, hot paraffin or aluminum paint. If you have a rope line, soak it in hot water, hang to dry and then rub a cake of wax over it.—Mrs. L. W. T.

### Carpenter in Kitchen

A new bulletin has been prepared by the U. S. Department of Agriculture entitled, "Easy-To-Build Kitchen Cabinets for the Remodeled Farmhouse." Cabinets are pictured and explained in this bulletin for food preparation, storage, utility, utility and food storage combined, chore clothes as well as a wall cabinet, combination serving cabinet and woodbox and a serving cabinet to stand beside a gas or electric stove. Selected units can be grouped or built individually between doors and windows that so often break up wall space in an old-fashioned kitchen. While designed primarily for remodeled farmhouses, the cabinets are suitable also for new kitchens.

Materials and tools needed to build the cabinets are generally familiar to the farm carpenter. Working drawings are included. We will be glad to take your order for this bulletin. Send 15 cents to the Farm Service Editor, Kansas Farmer, Topeka.

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**Building Ideas May Help**

(Continued from Page 6)

in the kitchen. And well they might. Mrs. Lupton has about the most convenient kitchen we have seen, either in town or country. It is of the U-type and all corners are rounded. "Sharp corners in the kitchen are not as attractive, are hard to keep clean, and are dangerous when you run into them," explains Mrs. Lupton.

This idea of having no corners was carried out in every respect. If you will look at the cover picture you will note that the covering on the work surface was carried on up the wall to the bottom of the wall cabinets. This makes a rounded surface at the back of the counter that is easily kept clean.

**Saved More Work Surface**

The automatic dishwasher, one of the biggest labor-savers in the kitchen, was purchased without the usual enamel top so it could be recessed below the counter top. "I didn't want to break up my work surface any more than necessary," says Mrs. Lupton. An electric garbage-disposal unit is in one half of a double sink. A window was placed over the sink, then a row of glass blocks under that for additional light.

Mrs. Lupton realized that when she was working at the counter opposite from this window she would be shy enough light, so she overcame this by installing a fluorescent tube light under the wall cabinet on that side. It is much easier to anticipate this need and install the light when you remodel or build than to have to do it later.

All dishes, utensils and seasonings are arranged so they will be grouped in the areas where most used. "This arranging takes some time," explains Mrs. Lupton, "and I am still making some changes."

When it comes to using space, the Lupton kitchen differs in one respect from any we have seen. Most kitchens have a broom closet. Mrs. Lupton decided to put hers on the back porch just outside the kitchen door. This gave her a chance to use the space that would have been taken by brooms and mops for storing food. This space, in other words, can be filled with jams, jellies, fruits and other things brought up from the basement in quantities. Also, the space will hold grocery items not being used the day purchased.

Corner spaces in some kitchens often are unhandy to get to. Mrs. Lupton solved this by putting in revolving sections. The bottom corner cabinet, which holds smaller pots and pans, was built so it is not a complete circle. In other words, one section was cut out like a wedge of pie. When closed this section forms 2 doors that fit flush with cabinets running both directions from the corner. When Mrs. Lupton wants something from this corner storage space, she rotates the section, the doors dis-

appear into the opening and the storage section revolves to the front where everything can be easily reached.

Alongside one end of the sink a partition was built from floor to ceiling. This partition, which actually is a combination storage and service wall, separates kitchen from breakfast room. The upper half is a glass-door shelf section for glassware. When glassware is washed it can be put on the shelves from the kitchen side and taken out for use on the breakfast-room side. In the center, at counter height, is a service window, and below that (on the breakfast-room side) are drawers for silverware and lunch cloths.

As you step out of the kitchen onto the back porch, you find the broom closet just to the left and the entrance to a utility room to the right. The utility room will be equipped with automatic washer and an electric mangle, and wall-type ironing board.

Altho the Luptons have put every modern convenience into their home, they love the out-of-doors, so the yard has not been neglected. They think of their yard as their outdoor living room and it is just that. A good covering of grass can be found front and back and the entire yard is attractively enclosed by a white picket fence. Flowers, shrubs and trees are planned so as to give maximum beauty without breaking up the lawn area into patches.

**"Contour Farming Best"**

Back of any good farm home there must be a good farm program. Mr. Lupton probably had the first terraces in Gray county, having built his first ones in 1931. There are 20 miles of terraces on the farm now.

"I am about convinced, however," says Mr. Lupton, "that terraces are not the answer for this area except on the rougher land. I believe that contour farming with chisel-type instruments is the best." He has found that terraces are hard to farm over with big equipment and most of his terraces have been greatly modified.

Some of the Lupton land is being seeded back to grass now. Within the next 2 or 3 years a total of 35 acres will be seeded to intermediate wheat grass. Mr. Lupton summer-fallows ahead of seeding just as for wheat and plants his intermediate wheat grass in a seedbed similar to that for wheat—seeding 7 to 10 pounds of the grass an acre. He uses a drill having packer wheels behind.

Buffalo alfalfa is being raised under irrigation and Mr. Lupton has been producing certified Wichita wheat for several years.

A ewe flock has been the major livestock project on the farm but has been dropped. He plans to buy feeders lambs this fall, however.

The **TOOL** ALL AMERICA IS TALKING ABOUT  
**TON-GRIP**  
**THE NEW VISE-GRIP WRENCH**  
**WORLD'S MOST VERSATILE HAND TOOL!**  
 Does jobs no other tool can do. Double-lever action LOCKS jaws with tremendous grip—quickly adjusts to non-locking action. New Jawsite Jaw Curve holds all shapes—nuts, rounds, irregular shapes, with unbelievable ease. Has Knurled Jaw Tips that do not slip. This Nose. Super Wire-Cutter. New Geometry gives more power—easier opening. Fine alloy steel. Nickel plated finish.

WITH Cutter	No. 7W—7 in.	\$2.25
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 Postage paid if price accompanies order.  
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**McADAM BALL BEARING DISC**  
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Built to endure. Conforms to all tillage operations. Disc plates heat-treated . . . heavier gauge steel than most discs. Special shape turns dirt completely over. Ball bearings in both ends of each bearing. Shells of bearings may be replaced without taking gang apart.



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**OTTAWA POST HOLE DIGGERS**

Prices from \$99.50 up

Here are the tractor diggers you have been waiting for. Quickly hitched to most any farm tractor with power take-off. Fastest power auger return—pull cord control. Heavy hi-speed two-flight auger—leaves hole clean. Castor wheels permit fast and accurate settings. Safety clutch prevents damage, eliminating shear pins. Strictly a one-man digger. All controls from driver's seat. Short-cut to labor problems where holes are needed. Get up-to-the-minute facts by sending for descriptive matter and low factory-to-user prices. Serving farmers for 44 years.

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If Winter put you "on the spot" Because of no SILO in your lot, Don't put it off another day. Order an "Interlock" right away.

**INTERLOCKING STAVE SILO COMPANY**  
 Wichita, Kan. Cherryvale, Kan.

**WANTED**  
 Old Live Horses and Dry Bones  
 We Pay More for Them Than Anyone Else  
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H-M—"GO FOR A LONG WALK IN TH' COUNTRY, AN' TAKE YOUR FISHIN' POLE!"

GOOD OL' DOC!

JUMBO SODA

4-6 CHAS. KUHN

## Coming Events

June 6—Barton county crops tour. Wheat and oats varieties and fertility plot. Willoughby and Ramsour, leaders.

June 7—Jewell county, plan annual program with soil-conservation district, R. C. Lind, attending.

June 7—Johnson county, field visits on horticulture, W. G. Amstein, leader.

June 7—Wabaunsee county beef tour, Lot Taylor, leader.

June 7-10—State home demonstration assembly.

June 8—Cherokee county livestock tour will start from Columbus with Ray Hoss in charge.

June 9—Horticultural experimental field day, Wathena and St. Joseph. (Kansas and Missouri co-operating.)

June 8—Neosho county wheat field day, Thayer.

June 8-9—Covley county 4-H conservation days, with Selby, engineer, leader.

June 8-11—Johnson county 4-H Camp at Rock Springs.

June 9—Cherokee county field day, Columbus experimental field. Special emphasis will be placed on results of crop rotation and various rates of fertilizer applications.

June 9—Pottawatomie county 4-H livestock judging school, Westmoreland, Lot Taylor, Extension livestock specialist, leader.

June 9—Crawford county judging school with Ray Hoss, Extension specialist, leader.

June 9—Harvey county crops and soils tour, E. A. Cleavinger, leader.

June 9—Rush county spring crops and soil tour, L. C. Willoughby, agronomist, and Harold H. Ramsour, Extension engineer, leaders.

June 10—Agronomy field day, Kansas State College, Manhattan.

June 10—Neosho county beef cattle production meeting, Ray Hoss, leader.

June 10-11—Covley county leaders training meeting, "Safe Milk Supply."

June 12-15—Summer camp for 4-H members, Rock Springs.

June 13—Nemaha county crop tour.

June 14—Jewell county garden tour.

June 14—Washington county garden tour, W. G. Amstein, leader.

June 14—Barton county 4-H dairy judging school.

June 15—Doniphan county agronomy and soil-conservation tour.

June 14-16—Bourbon county will hold its first county-wide 4-H camp, Elm Creek Lake, sponsored by Ft. Scott Rotary Club.

June 14—Lincoln county crops day tour.

June 14—Scott county crops tour, Claude King, plant pathologist, and Frank Bieberly, agronomist, leaders.

June 15—Scott county home demonstration unit leader training meeting, Gladys Myers, leader.

June 15-18—Sheridan, Graham, Decatur, Rooks and Norton counties 4-H Club camp, Rock Springs Ranch.

June 16—Finney county home management leader training school, Gladys Myers, Extension specialist, leader.

June 16—Wichita county grains tour.

June 16—Ford county wheat field day, Southwest Experimental Field, Dodge City.

June 16—Jewell county garden tour, with W. G. Amstein, Extension horticulturist.

June 17—Wheat field day, Garden City.

June 17—Jackson county spring crops and soil-conservation tour.

June 20-22—Barton county nutrition training school, Gertrude Allen, leader.

June 24, a. m.—Small Grain Field Day, Smith Center.

June 24, p. m.—Small Grain Field Day, Belleville experiment field.

July 5-9—Jefferson county 4-H camp.

July 10-13—Tri-county 4-H camp, Rock Springs Ranch. (Pottawatomie, Wabaunsee, Riley)

July 13-16—Jewell county state 4-H health camp.

July 14—Covley county 4-H picnic.

July 14—Senator Arthur Capper birthday picnic, Garfield Park, Topeka, for all the children in Kansas.

July 18-20—Ellsworth county 4-H summer camp.

July 21-23—Northwest summer conference, county agents, Salina.

July 27—Elk county beef tour.

July 29—Covley county beef tour.

July 30-Aug. 2—Covley county 4-H camp, Camp Horizon.

## Dry Storage Saves Seed

New facts on conserving the viability of seed corn, more important today than ever before, have been brought out recently. Some of these contributions have come from a 13-year series of experiments carried on co-operatively in Ohio by the U. S. Department of Agriculture.

Pointing up these results for the benefit of farmers, seed-corn producers, and breeders, J. D. Sayre, agronomist and physiologist of the 2 institutions, found that "Seed corn can be carried over for many years with most of its original vitality by drying it to 5 to 8 per cent moisture and storing in airtight containers at a uniform low temperature."

When the moisture content was more than 12 per cent, seed corn lost viability rapidly. As moisture was reduced, the longer the seed would live, especially when kept cool enough. The or-

# Classified Advertising Department

## KANSAS FARMER Classified Advertising

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1/2	8.00	3	24.00

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Order now. Fifteen breeds to choose from. Write for price list.  
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**Bush's Bloodtested Barred, White Rocks, Reds, Wyandottes, Hampshires, \$8.95; pullets, \$14.95; cockerels, \$10.95; White Leghorns, Austra-Whites, \$8.95; pullets, \$14.95; Heavy Assorted, \$8.45; Mixed, \$7.95; Leftovers, \$6.95; Barnyard Special, \$5.95; Table Assorted, \$4.95. FOB, 100% alive. Catalogue, Other breeds, grades, prices. Bush Hatchery, Clinton, Mo.**

**Baby Chicks, 10 Breeds, Surplus Pullets, \$12.95; Assorted Heavies, \$6.85; Mixed Assorted, \$6.45; Leftovers, \$4.95; Barnyard Special, \$3.95; Odds-ends, \$2.95. 100% alive. FOB. Send money order. Clinton Chick Store, Clinton, Mo.**

**Thompson—Quality bloodtested White, Barred Rocks, Reds, Wyandottes, Hampshires, \$8.95; pullets, \$12.95; cockerels, \$9.95; Anconas, Minorcas, White, Brown Leghorns, Austra-Whites, \$8.95; pullets, \$14.95; Assorted Heavies, \$7.95; Mixed Assorted, \$6.95; Leftovers, \$5.95; Barnyard Special, \$4.95. 100% alive. FOB. Thompson Chicks, Springfield, Mo.**

**Chick Sale—Immediate shipments, unsexed, Austra-Whites, \$10.90. White Rocks, \$10.45. Leghorns, \$9.90. Heavy Assorted, \$8.90. COD plus postage. Hawk Hatcheries, Atchison, Kan.**

**When you order DeForest "Blueblood" Chicks, you order the finest that money can buy. Send for free literature today. DeForest Hatcheries, Box A, Peabody, Kan.**

**Baby Chicks Pullorum tested. Production bred. White Leghorns, 3 hybrids, 6 heavy breeds. Tudor's Hatchery, 2014 North Central, Topeka, Kan.**

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### DUCKS AND GESE

**Geese, Goslings, Goose eggs (all varieties). Safe delivery anywhere. Bulletins on raising geese. We buy purebred geese and eggs. Peyton Goose Hatchery, Route 20K, Duluth, Minnesota.**

inary room temperature of 70 degrees F. and above is bad for seed corn, but storage at freezing or below was good for it, especially when kept dry enough.

The experimenters tried storage in which air had been replaced by carbon dioxide, nitrogen or oxygen, finding that the oxygen reduced longevity and the others had no effect.

Sayre concludes that the airtight containers keep seed viable by preventing ups and downs in moisture content as the humidity of the outside air changes. When the temperature in these containers was kept uniform at 70 degrees F. or below and the moisture kept down to from 5 to 8 per cent, seed corn kept viable thru the longest experiments—13 years plus—with promise that it could hold on to life much longer than that.

## Silver Medal Sire

Dunloggin X Seven (G.P.), owned by Leo H. Hostetler, Harper, has been named the 82nd Holstein-Friesian Silver Medal production sire in the nation by The Holstein-Friesian Association of America. Based on the superior milk production of his daughters, the Silver Medal honor marks him as an outstanding favorably proved sire of the breed.

To attain this high honor, 13 of the 21 daughters of "Dunloggin" which have completed official production records in either Advanced Registry or Herd Test exceeded the high Advanced Registry butterfat requirements by 50 per cent or more. Highest among these was the record of 520 pounds of butterfat made by Leohost X Peggy Sukey at the age of 2 years, 1 month, 2 milkings daily, in 315 days.

Silver Medal honors are awarded only to those registered Holstein-Friesian sires who 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 the above limitations.

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**Turkey Poults—Amazing profits with Hamilton Strain super-broad breasts. Growers report 18-pound hens, 25-pound toms at 5 1/2 months. Make 1949 your banner year—raise these super broad breasts for extra profits. Also Wagon Wheel Strain broad breasts. White Hollands and all other breeds. Poults available for immediate and future delivery. Write Zealand Hatchery, Zealand, Mich.**

### POULTRY—MISCELLANEOUS

**Peafowl, Pheasants, Bantams, Waterfowl, 30 varieties Pigeons. Free circular. John Hass, Bettendorf, Iowa.**

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Beautiful Velox Deckledge prints made from your negatives only 3c each. 6 or 8 Exposure rolls developed and printed on deckledge paper 25c. Artcraft DeLuxe enlargements three 5x7 only 50c. Four 8x10 enlargements from negatives \$1.00. Your favorite photo copied and 10 printed made 65c.  
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**16 Enlarged, Jumbo, oversize deckled prints from any 6-8-12-16-20 or 36 exposure roll film developed only 35c and this ad. Electronically exposed. Enlargement coupon free. Skrudland, 844-H Diversey, Chicago.**

**16 Enlarged Jumbo Oversize Prints from any 6-, 8-, 12- or 16-exposure roll film developed only 35c and this ad. Free coupon. Modern Electronics Co., River Grove, Ill.**

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**West's New Time and Money Saving Catalogue, over 1,000 Farm and Business Bargains. Free. West's Farm Agency, CJ-3, Pittsburgh 17, Pa.**

### MISCELLANEOUS

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

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

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**Pure Atlas Sorgo Seed. Germination 91%. Price 7 cents per pound. Special rate on orders of 1,000 pounds or more. T. Max Reitz, Belle Plaine, Kan.**

**Certified Atlas Sorgo, germination 94%. \$6.50 per cwt. Pure Texas Sweet Sudan, 89% germination, \$10.00. Walter Peirce, R-2, Hutchinson, Kansas.**

**Certified Coes Milo. Germination 89%. Purity 98.78%. \$7 per hundred. Clarence Busse, Bird City, Kan.**

**Certified Atlas Sorgo, 8c per pound. F. J. Raleigh, Clyde, Kan.**

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## For Sale Sweet Potato Plants

**Best quality Porto Rican, Improved Nancy Hall, Big stemmed, well rooted, good count.**

200	\$1.00	500	\$1.25
1,000	2.25	5,000	11.00
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**D. & C. Plant Co., Gleason, Tenn.**

**Vegetables Plants—Large, hand selected, roots mossed. Tomatoes—Earliana, John Baer, Marglobe, Bonny Best, Rutgers, 200—75c; 300—\$1.00; 500—\$1.25; 1,000—\$2.25. Pepper—California Wonder, Chinese Giant, 100—50c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Sweet Potato—Porto Rico, Nancy Hall, Red Velvet, 100—50c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Postpaid. Prompt shipment. Culver Plant Farms, Mt. Pleasant, Texas.**

**Potato Plants—Bunch Portoricos, Red Velvets, Nancy Halls, Portoricos, Tomatoes—Rutgers, Certified, 1,000—\$2.45; 500—\$1.45. Postpaid. Satisfaction guaranteed. Bruce Rhodes, Malvern, Ark.**

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### SEEDS

**Special Offering: Fancy Alfalfa seed per 100 lbs., \$45.00; Choice, \$40.00. Red Clover, \$38.00; Sweet Clover, Choice, \$15.00; Fancy, \$18.00. White, \$20.00. Lespedeza, \$8.00. Brome Grass, \$22.00. Achenbach, \$36.00. Orange Cane, \$4.00. Millet, \$6.00. Sample free. Hayes Seed House, Topeka, Kan.**

**Buffalo Grass Seed—Treated. Pastures and lawns. 1 lb. 1,000 sq. ft. for lawns. \$1.25 lb. Quantity discount. Mike Bird, Hays, Kan.**

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### 1500 Watts—D.C. 110 Volt

**Automatic Controls—Excellent Condition Worth \$400, Will Take \$200 Cash**

**MOORE'S FARM STORE, Hutchinson, Kan.**

## WILL SACRIFICE AT DEEPLY REDUCED PRICES 35 TRUCKS and PICK-UPS

All sizes. Many late models, boxes and hoists available. Buy from the Northwest's largest stock of guaranteed used trucks and save! Write for price list, telephone 70 or visit us.

**MELLAND-JOHNSON, Inc. International Dealer, JAMESTOWN, N. D. Located on U. S. Hy. No. 10 and No. 281.**

**Tandem Disks—Seven to twenty foot. Single disks, ten to twenty-four foot. Sixteen foot combination spring tooth harrow and weeder. Does work of more expensive machines. Cultivates seven inches deep. Also built for Ford-Ferguson tractors. Low price. Write for literature. A. R. Sapp Co., Mfrs., Julesburg, Colo.**

**Paint—Titanium Formula. Outside white; stays white. Won't peel. Will last for years. \$1.85 per gallon, in fives. Sample pint, 50c, postpaid. Lilly White Paint Co., 967 Dorr St., Toledo, Ohio.**

**Steel Sprocket Chain and attachment links. All sizes. Shipments from Illinois warehouse. Catalog free. Hudson Machinery Co., Los Angeles 27, Calif.**

**Butler Grain Bins—30% lower in price. Wagon boxes for wheat. Henderson Implement Co., Omaha, Nebr.**

### MACHINERY AND PARTS

**Farrar V-Pulleys 6 to 30-inch diameter and V-Belt conversion drives for International 123SP, 125SP, 122, Case A6, A, B, C, E, M, K, P, QRS; Holt-Caterpillar 34, 36; drives for John Deere 17, 5A, 5; Engine drive for M-M Jr., G2, G3, G4. Avoid breakdowns, lost time; reduce vibration; save repair costs. Directions for installing. Write for free descriptive literature for your machine. Farrar Machine Shop, 111 Main, Norwich, Kan.**

**For Sale Cheap, 16-foot Rumley Combine running order, \$1,000.00. Mile west from Lindsay, Kan. Theo. Johnston.**

### AUTOMOTIVE

**Surplus Tires, Tubes and Wheels with stub axles. Implement dealers, Welders, Blacksmiths. Write for free illustrated catalog. Harmo Tire and Rubber Corporation, 804 Hammond Building, Dept. C, Detroit 26, Mich.**

### AGENTS AND SALESMEN

**Wanted—Dealers to handle 32-volt appliances. Write complete stock. Write Bridgeport Equipment Co., Inc., Bridgeport, Nebr.**

**Sell! Balloons, Combs, Drug Sundries, Novelties, Razor Blades, Carleton House, Texas City, Texas.**

### PRODUCE WANTED

**We want broilers, springs. Coops loaned free. The Copes, Topeka.**

## June 18 Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by

### Saturday, June 11

If your ad is late, send it in Special Delivery to 912 Kansas Ave.

## Newcastle Disease Serious

RESEARCH on Newcastle disease of poultry is active in the U. S. Department of Agriculture and in state experiment stations. Altho it has been identified in this country since 1942, it is recognized as second only to pullorum disease in economic importance. It has spread widely and has been reported from every state except Idaho, says the U. S. Department of Agriculture.

Fortunately the disease has proved less virulent in this country than abroad. Losses from 10 to 30 per cent in broiler houses are likely to result from this highly contagious virus disease. It is far more deadly to young birds than to mature chickens and turkeys. Among adult birds not more than 5 per cent are likely to die from the disease but, until the disease has run its course, egg production practically comes to a stop.

The fact that young birds are highly susceptible is balanced in part by ex-

perience that indicates that chicks hatched from eggs laid by hens that are immune to the disease are also immune for the first 2 to 4 weeks of their lives. Because of this, some hatcheries are using eggs only from flocks that have been actively immunized against the disease. This greatly reduces the danger of infection, or the spreading of infection during the period when the chicks are being distributed from the hatcheries to the brooder houses—many by mail or express.

On the basis of large-scale trials the U. S. Department of Agriculture has authorized the use of 2 types of vaccine: (1) a product in which the virus is killed by addition of formalin; and (2) a live-virus product made from

strains of the virus that have proved of low virulence to chickens. The first gives only a temporary immunity. The second causes a mild form of the disease from which nearly all the vaccinated birds recover and remain immune for life. If young birds go thru this mild form of the disease they are insured against the interruption of laying which would result if the disease struck them after they had started production.

Which form of vaccine to use depends in part on the prevalence of the disease in the locality, and in part on the purpose for which the chickens are being grown. The killed-virus product may be preferred for broilers, and the live-virus treatment particularly for young breeding stock. Growers are advised to consult state veterinarians and Extension workers who are familiar with local conditions.

## An 80-Acre Farm Shows Real Progress



Harry Staples, Shawnee county war veteran taking veterans on-the-farm training, shows the new-type community nest he has installed in the laying house.

THESE Kansas farm boys are tough customers, as proved by Harry Staples, of Shawnee county. A young farmer taking veterans "on-the-farm" training, Harry saw plenty of action during the war. As a platoon sergeant in the infantry, he spent more than 20 months in the European theater of war. He hit the Anzio beach, in Italy, and was in the campaign from there to Rome. He also was in the section that fought for a beachhead in Southern France. His outfit ended up in Austria.

We started out to say Harry was tough. He proved that by being wounded 3 times and returned to service each time. During his various campaigns he was wounded in the head and side by bullets and in the knee by shrapnel. His outfit was cited by the French government, and Harry personally received the bronze star and 3 purple hearts.

Harry got out of service in October, 1945, and borrowed \$2,500 to purchase his present 80 acres of upland. He also rents an additional 80.

Everything about his farm is strange to Harry because he was reared on an irrigated farm near Dodge City. Now, he is trying to farm upland soil in an entirely different area of the state. It is because of this radical change that he finds the veterans training service so valuable. His instructor is helping him work out a farming program best adapted to the area and the amount of land he has.

The Staples farm, before he took it over, was used primarily for grain production and was not a paying proposition. Harry is changing over to a grass and legume program that will best support a dairy herd.

His program has not been easy, so far. The last 2 falls have been against alfalfa seeding and he has been having difficulties getting stands. He wants to use brome and lespedeza for pasture. This year he will have 10 acres of sweet clover seeded in the wheat. He already has the 10 acres limed. He wants 10 or more acres of alfalfa and will need 20 acres when his dairy herd is built up. There are 10 head in the herd now but there will be 15 to 18 eventually. As soon as electricity is available, Mr. Staples will go to grade-A.

The grass and legume program re-

sulted from bitter experience with grain crops. Because he needed cash, Harry first tried to grow wheat. His crop the first 2 years didn't pay his harvest bill. That convinced him that grass, legumes and dairy cows are the answer.

As he goes along, Harry is improving his home and farm buildings. The house is fairly modern now with a gas floor furnace being the latest addition. A new brooder house was constructed for the poultry flock and droppings boards and community-type nests have been installed in the laying house.

A stock-water pond will be constructed in the pasture and Harry plans for a trench silo this year. Considering the slow start he made, Harry feels that he is making real progress.

### A New Record

A B T Fon Leo Nig Darky, registered Holstein-Friesian cow, owned by Abram B. Thut, Clearwater, has set a new state production record, according to The Holstein-Friesian Association of America.

"Darky" takes the lead for all of Kansas' junior 2-year-old Holsteins milked twice daily in the yearly division, Advanced Registry Test, with the production of 569 pounds of butterfat from 17,157 pounds of milk. Testing was supervised by Kansas State College.

### Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$27.50	\$25.00	\$35.00
Hogs	22.10	18.85	25.50
Lambs	33.00	30.00	28.00
Hens, 4 to 5 lbs.	.19	.22	.21
Eggs, Standards	.43½	.43½	.40½
Butterfat, No. 1	.54	.54	.74
Wheat, No. 2, Hard	2.32¾	2.32¾	2.47½
Corn, No. 2, Yellow	1.39	1.42½	2.37½
Oats, No. 2, White	.73½	.73½	1.22½
Barley, No. 2	1.10	1.13	1.68
Alfalfa, No. 1	30.00	30.00	25.00
Prairie, No. 1	17.00	17.00	16.00

## Dairy CATTLE

### GUERNSEY DISPERSAL PUBLIC SALE

Thursday, June 9, 2 p. m.  
at the northeast corner of the city limits of Hillsboro.



25 head of registered and grade cows, helpers and 1 registered bull. Dairy equipment including one 2-unit, stainless steel De Laval milker.

ALBERT G. PANKRATZ  
Hillsboro, Kansas

### REGISTERED GUERNSEYS

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

### WISCONSIN'S CHOICE

Registered Holstein, Brown Swiss, Guernsey heifer and bull calves. Also choice cows. Many from 500 lb. butterfat dams. Write or phone for prices and availability.  
J. M. McFARLAND & SON  
Watertown, Wisconsin

### 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.

### Dual-Purpose CATTLE

Red Polls: The farmer's breed for Kansas farms. Two-way income—4% milk and choice beef from the world's only Solid Red Naturally Hornless Dual-Purpose Cow. Write for information and list of Kansas breeders.  
Kansas Red Poll Breeders' Assn.  
J. E. Loepple, Sec.-Treas.  
Penalosa, Kansas

### MILKING SHORTHORNS

Bull calves sired by Liberty Mapperton 14th and Kenton Prince Doniver, both are consistent purple winners at shows. High milk production.  
Bernard Wassenberg  
Marysville, Kan.

### REGISTERED MILKING SHORTHORNS

Bull calves 6 months to 1 year.  
Kassebaum Farm, El Dorado, Kansas

### AUCTIONEERS

**Livestock Auctioneer**  
A number of registered dairy and beef cattle sales booked this fall for breeders and associations. I have sold successful for others—why not you? For sale dates phone or wire me at Rich Hill, Mo.  
C. C. "CONNIE" MCGENNIS  
Box 116, Rich Hill, Mo.

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

**Ross B. Schaulis, Auctioneer**  
Purebred Livestock, Real Estate and Farm Sales.  
Ask those for whom I have sold.  
CLAY CENTER, KANSAS

**Livestock Advertising Rates**  
½ 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.  
JESSE E. JOHNSON, Livestock Editor  
MIKE WILSON, Fieldman.  
Kansas Farmer - - Topeka, Kansas

**TURN HARVEST LOSSES INTO PROFITS!**

RAKE WITH A RAKE  
NOT A BOARD

NO CONVERSION  
JUST SNAP 'EM ON

## Rel-Tuth SAVES GRAIN

Act NOW! Quickly and at low cost you can be ready to reap a maximum harvest from tall, short, weedy or even flattened grain. No conversion is required. Double-tinned Rel-Tuth units snap on in a jiffy . . . make efficient rakes of your reel bats. Don't let your sickle-bar slobber your grain all over the field. Rel-Tuth rakes the cutter-bar clean. Watch those teeth rake in the profit!

**SIZES FOR ALL COMBINES**

Field tested and proven, Rel-Tuth units are available for every make and model of combine. Immediate deliveries on early orders. Don't delay! Order Rel-Tuth for your combine today.

**SEE YOUR DEALER OR WRITE US**

It is late and dealer representation is not complete. If your dealer cannot supply Rel-Tuth, write, wire or phone us, giving make and model of your combine.

**M. D. McDONALD CO.**  
PHONE 6-4489  
653 N. GLENDALE : WICHITA, KANSAS

**RED AND WHITE TOP SILO**

### NEW LIFE FOR LIVESTOCK

"Here comes another fork of vitamin-packed alfalfa silage," says Evan Hoover, Hoover Bros., Abilene, Kan. "We like feeding alfalfa silage because we can feed green pasture to our cattle when the snow flies," so said Evan Hoover.

Hoover Bros. have a Dodson Red and White Top Silo and a "Dodstone" cattle shed. They appreciate Dodson Quality. Write for details on Silos and Farm Buildings.

**DODSON MFG. CO., Inc.**  
1463 Barwise 1st and Cedar St.  
Wichita Concordia

**201 Reg. Sheep Sell in the MIDWEST STUD RAM SHOW AND SALE**

At State Fair Grounds  
Sedalia, Mo.  
Show June 24—Sale June 25

The 201 sheep selling are consigned by leading breeders throughout the United States. Selling 119 Hampshire, 30 Corriedales, 28 Shropshires, 22 Suffolks, 2 Oxfords.

The offering consists of 3-year-old, 2-year-old and yearling rams and ram lambs. Yearling ewes and ewe lambs. For sale catalog write to

**MGR. ROLLO E. SINGLETON**  
State Department of Agriculture  
Jefferson City, Mo.  
Auctioneer—Tony Thornton

**IN THE FIELD**



**Jesse R. Johnson**  
Topeka, Kansas  
Livestock Editor

and **MIKE WILSON**, Livestock Fieldman,  
Muscotah, Kansas.

The **JUDGE LOYDE MORRIS** estate farm and livestock sale, held on May 17 and 18 at the farm north of Hoyt, was very well attended both days. Emery Johnston, of Emmett, purchased the top-selling bull at \$375. Francis Slatery purchased 29 Hereford cows. Another buyer, Orion Williams & Son, bought 30 Hereford cows with calves at foot. The total sale of land and livestock amounted to more than \$75,000.

One might wonder why **ANDERSON BROTHERS**, of Concordia, call their Duroc breeding farm Cloverdale. Many years ago when sweet clover was first coming to Kansas, this farm was the first in Cloud county to produce sweet clover. In later years it was christened Cloverdale Farms which was most appropriate. The past few years Anderson Brothers have built and developed one of the good herds of Duroc hogs in North Central Kansas.

**RAY SAYLER & SONS**, Manhattan, has been a familiar name in Poland China circles thru-out Kansas for several years. The Saylers live in the Kaw Valley and have bred and developed some of the outstanding Poland Chinas that have been produced in this section of the country. Mr. Sayler is president of the **KANSAS POLAND CHINA BREEDERS' ASSOCIATION** and has spent several years in the past as secretary of that organization.

**ARTHUR E. ROEPKE**, enthusiastic Duroc breeder at Waterville, reports that he has 120 registered spring pigs and they are on alfalfa pasture. Each year Mr. Roepke farrows a good number of modern-type Durocs, which he develops and sells at private treaty; he also consigns outstanding animals to the district and state sales. Art is noted for his careful selection of breeding stock when he makes additions to his herd. A visit to the Roepke farm will convince anyone that he is going forward in the Duroc business.

**ALLEN LARD**, Duroc breeder of Clay Center, spends much of his time caring for his Durocs. He also operates a 285-acre farm. Along with his grain crops he sows around 20 acres of alfalfa to produce feed for his hogs and cattle. He thinks it also fits in well with crop rotation. Mr. Lard is a strong believer in crop rotation. The plan which he follows, and which has been most successful, is a rotation of wheat, corn and oats. The farm Mr. Lard operates formerly was occupied by the well-known S. B. Amcoats, Shorthorn breeder of Clay Center.

**C. R. ROWE & SON**, Poland China breeders of Scranton, report the Poland China business is on a very satisfactory basis at present and that conditions look very favorable for the future. Mr. Rowe holds an annual sale. He also sells many head of outstanding breeding stock at private treaty thru-out the season. Associated with Mr. Rowe is the junior member of the firm who at present is very interested in 4-H Club work. He is preparing a nice registered Short-horn heifer for this year's project. You will be seeing the Rowes at some of the fall fairs and Poland China sales.

**W. H. HILBERT**, one of the oldest Duroc breeders in Kansas, always is on the lookout for some way to improve the type and quality of his herd and the breed as a whole. He spends much time and expense in bringing to his herd, animals which he feels will be an improvement. One of the recent additions is a top gilt from the Maas Brothers good herd. He also purchased one of the top boars in the Maas recent sale. This boar is to be used with some outstanding gilts he has selected to go in his present breeding herd. When you are out in the Corning neighborhood, if you care to make a visit, you will certainly receive a cordial welcome at Hillcrest Farms, owned by Mr. and Mrs. W. H. Hilbert.

**JOHN RAVENSTEIN & SON**, Cleveland, held their production sale of Polled Hereford cattle at the farm on May 25. Harvey E. Schepman, of Holyrood, purchased the top-selling bull at \$900. This was a 2-year-old son of WHR Leskan A 3d. Fifteen bulls were sold at an average of \$564 a head. The top-selling female went to M. Louise Williams, of Fulton, Mo., for \$500. This establishment purchased several of the top-selling females. Twenty-one females made an average of \$377. Thirty-six head selling made a general average of \$451. The cattle were presented in very good breeding condition and were very well accepted by the breeders and farmers. The sale was conducted by Charles Corkle and newspaper representatives.

It was a satisfactory sale of Holsteins for **L. W. ZUMBRUM** and **EARL BROWN**. The sale held at the Zumbrum farm northwest of Junction City, on May 25, averaged about \$220 on 59 lots sold. The day was ideal for farm work and the attendance was smaller than you usually expect at a Holstein sale.

High-selling cow was purchased by Leonard Bryan, Cullison, for \$355. Her small heifer calf was sold for \$45 to H. E. and R. E. Carlson, Courtland. Leonard Bryan bought 4 head paying \$1,275 for them.

The cows in production were in good demand but buyers were reluctant to pay over \$350 for the best ones in the sale. Eleven head in the sale sold from \$300 to \$355.

Buyers who bought several head each in the sale were Frank Madden, Salina, 9 head; George Washburn, Newton, 8 head; Roy W. Gfeller, Junction City, 6 head. Four head were registered and the rest were grades. The cattle were sold in pasture condition and it was a complete dispersal of the Earl Brown herd and a reduction of the Zumbrum herd. Young open registered heifers sold up to \$150. Young open grade heifers up to \$135. Nineteen buyers purchased the entire offering and they were all Kansas buyers. Elmer Dawdy, Salina, was the sale manager. Auctioneers were Bert Powell, Topeka; Bill Crites and Francis Maloney both of Junction City.

Eighty-nine registered and grade Holsteins were sold in the **D. G. MEIER & SONS** dispersal, Hitchcock, Okla., on May 11, for an average of \$250 a head. No calves were figured with their dams and it counts each animal sold. Buy-

ers were not inclined to pay high prices, but a steady demand at satisfactory prices made it a good sale.

While prices for dairy cattle are not quite as strong as a year ago, this average on the basis of type, quality and production sold, brought as much money as they would last year. The top cow sold for \$500. She was a registered cow and was purchased by L. J. Barrett, Watonga, Okla. Two top grade cows at \$390 were purchased by C. A. Burgdorf, Custer City, Okla., and Donald Parsons, Kingfisher, Okla.

Thirty-seven buyers bought the 89 head selling. While most of the Holsteins sold stayed in Oklahoma, Kansas buyers purchased 10 head. These buyers were W. R. Humboldt, Mulvane, who paid \$1,735 for 5 head; Buchele Brothers, Cedarvale, 3 head for \$520; R. W. Goodman, St. John, 2 head for \$485. One head went to Texas. Donald Parsons, Kingfisher, Okla., paid the high dollar average when he paid \$2,630 for 7 head. No effort was made to fit the cattle for the sale.

The prices paid indicate a good demand for Holsteins. Buyers were willing to pay \$350 readily for grades and \$400 for registered. But above that buyers bid slowly and not too many passed the \$400 figure. Elmer Dawdy, Salina, was the sale manager. Bert Powell sold the cattle, assisted by Roy Paul, Broken Arrow, Okla., and press representatives.

**RED OAK FARMS** sale of Aberdeen-Angus. Rocky Comfort, Mo., May 26, averaged \$425.50 on 40 lots. Group average as follows—4 bred heifers, \$596; 16 open heifers, \$367; 19 cows with calves and 1 bred cow averaged \$551.50; 10 bulls, mostly service age, averaged \$374.50.

While it was a busy time for farmers as a few had started cutting barley that day, the comfortable, well-arranged sale pavilion at the farm was well filled when the sale began.

Bred heifers were sold first and the high-selling female of the auction was the first animal to sell. She sold for \$800 to F. C. Lundy, Joplin, Mo. Top open heifer at \$600 sold to Angus Valley Farm, Miami, Okla. Top cow and calf at \$700 were purchased by Virgil Cooper, Windsor, Mo.

Top bull at \$1,100 went to L. M. Thornton, Garden City, Mo. Kansas buyers bid on many and purchased 9 head of the 40 lots selling. The 3 herd bulls were strong in the blood of Black Prince of Sunbeam.

This was the second sale for Mr. and Mrs. Chester Davidson, Rocky Comfort, Mo. Buyers from Kansas, Missouri, Arkansas and Oklahoma made purchases in this sale. Roy Johnston and Ray Sims, assisted by press representatives, conducted the sale.

**Public Sales of Livestock**

**Aberdeen-Angus Cattle**  
November 10—Kansas State Angus Sale, Hutchinson, Kan.

**Brown Swiss Cattle**  
October 19—Tri-State Breeders Consignment Sale, Topeka, Kan. Ross Zimmerman, Secretary, Abbyville, Kan.

**Guernsey Cattle**  
June 4—A. H. Knorr, Wichita. Sale on farm 13 miles east.

June 4—A. H. Knorr, Andover, Kan.  
June 9—Albert G. Pankratz, Hillsboro, Kan.  
June 16 and 17—Pevely Dairy Company, Crescent, Mo. Missouri Guernsey Breeders' Association, Sales Manager, 101 Eckles Hall, Columbia, Mo.

October 21—Kansas State Guernsey Sale, Hutchinson, Max Dickerson, Secretary, Hiawatha, Kan.

**Hereford Cattle**  
June 7—Emmadine Farm, Inc., Breckenridge, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

September 13—Jansonious Brothers, Prairie View, Kan.  
October 16—Elmer Johnson, Smolan, Kan. (night sale).

October 31—Jesse Riffel & Sons, Enterprise, Kan.  
November 7—Cowley County Hereford Breeders' Association, Chas. H. Cloud, Secretary, Winfield, Kan.

November 9—Flint Hills Association, Cottonwood Falls, Kan. Elmer G. Stout, Sale Manager, Cottonwood Falls, Kan.

**Polled Hereford Cattle**  
October 22—Midwest Polled Hereford Sale, Deshler, Nebr.

**Holstein Cattle**  
September 28—Paul Selken, Smithton, Mo.  
October 24—Central Kansas Sale, Hutchinson, Kan. T. H. McVay, Manager, Nickerson, Kan.

October 31—Kansas breeders state sale, Herington, Kan. Chairman sales committee—George E. Stone, Medicine Lodge, Kan.  
November 9—Central Kansas Holstein sale, Abilene, Kan. E. A. Dawdy, Sale Manager, Salina, Kan.

November 14—North Central Kansas Holstein Breeders' Association, Washington, Kan. Edwin H. Ohlde, Palmer, Kan.

**Jersey Cattle**  
June 11—Percy R. Smith, Joplin, Mo. Laurence B. Gardiner, Sales Manager, Memphis, Tenn.  
June 20—Isern and Knop, Ellingwood, Kan. Ivan N. Gates, Sales Manager, West Liberty, Ia.

October 20—Kansas State Jersey Sale, Manhattan, Kan.

**Shorthorn Cattle**  
October 25—Mid-Kansas Shorthorn Sale, Salina, Kan.  
October 26—Carl Retzliff, Walton, Nebr. Sale at Lincoln, Nebr.

November 3—Central Kansas Shorthorn Breeders Sale, Beloit, Kan.  
November 11—Kansas Polled Shorthorn Sale, Hutchinson, Kan. State Fair Grounds, Lot F. Taylor, Sale Manager, Manhattan, Kan.

November 8—Kansas Shorthorn Breeders Sale, Hutchinson, Kan. State Fair Grounds, Lot F. Taylor, Sale Manager, Manhattan, Kan.  
November 12—E. C. and Glen Lacey, Miltonvale, Kan. Sale at Clay Center, Kan.

**Milking Shorthorn Cattle**  
November 2—North Central Kansas Milking Shorthorn Breeders, Salina, Kan.

**Chester White Hogs**  
October 11—Roy Koch, Bremen, Kan. Sale at Marysville, Kan. (night sale)

**Duroc Hogs**  
October 22—North Central Kansas Duroc Sale, Belleville, Kan.

**Hampshire Hogs**  
October 28—R. E. Bergsten & Sons, Randolph, Kan.

**Poland China Hogs**  
October 13—C. R. Rowe & Son, Scranton, Kan.  
October 14—J. J. Hartman & Son, Elmo, Kan.  
October 19—Bauer Bros., Gladstone, Nebr. Sale at Fairbury, Nebr.

October 22—Kansas State Poland China Sale, Ray Sayler, President, Manhattan, Kan.

**Hampshire Sheep**  
July 30—E. B. Thompson Ranch, Milan, Mo.

**Southdown Sheep**  
July 25—Missouri State Breeders' Association Show and Sale, Hamilton, Mo. Carl Roda, Secretary, Trenton, Mo.

**Sheep—All Breeds**  
June 24-25—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Secretary, Columbia, Mo.

**ISERN & KNOP JERSEY DISPERSAL**

Hutchinson, Kan. — Monday, June 20, 1949

At Hutchinson, Kan., State Fair Grounds—12:30 P. M.

**58 Head — High Quality Registered Jerseys**

27 Cows—Mostly young—all tested and classified: Very Good—18; Good Plus—9. Classification average 85.8%. Herd Average—over 400 lbs. fat—every year for the last 10 years. 1948 Herd Average, 432 lbs. fat per cow—all on 2x milking. Many are daughters of **Dreaming Moor Sweet Aim**—Very Good Superior Sire—11 daughters average 545 lbs. fat; others are of Blonde, Coronation, Advancer and Standard Breeding. A choice lot of cows, many are out of AJCC tested dams—bred, tested and proven on our farm.

23 Heifers—Many are by a "Five Star" Very Good son of Wonderful Advancer—Excellent Sr. Superior, Medal of Merit, Gold and S. M. Sire.

8 Bulls—including the Jr. Herd Sire—Dreaming Golden Aim—"Five Star" son of Dreaming Moor Sweet Aim and out of a Very Good, AJCC tested dam—3 daughters average 507 lbs. fat; and several other young bulls from high record dams.

Nearly all calfhood vaccinated. All Tb. and Bang's tested. The grand champion female and bull at the Central Kansas Parish Show in 1948 are included in the sale.

Plan Now to Attend This Sale of Foundation Stock

Isern & Knop farm located at the Southeast edge of Ellingwood, Kan.

For free catalog, write or wire

**IVAN N. GATES, Sale Manager, West Liberty, Iowa**

**225 Guernseys at Auction**

**PEVELY DAIRY FARMS DISPERSAL**

June 16 and 17 at the farm, Crescent, Missouri

Transportation to the farm from Hotel Chase, St. Louis, Mo., Sale Headquarters. Crescent is located 20 miles southwest of St. Louis on Highway 66.

This offering consists of a well-bred, hard-working lot of purebred and grade cattle consisting of: 103 Heifers—all ages—many bred, 66 registered, 37 grade; 115 Cows in milk—82 registered, 33 grade; 6 High Quality Service Sires—3 proved. Practically all cows in milk have A.R., H.I.R. or DHIA records on 2x basis. Many over 400 lbs. Several well over 500 lbs. The sires selling are: (1) St. Albans Actor's Boy—14 tested daughters, 7958—397—2x as 2-year-olds (58 daughters in this sale). (2) St. Albans Valor's Juror—11 A.R. daughters to 594 lbs. fat, age 2 years. (3) St. Albans Actor's Valiant—a show bull—9 A.R. daughters. (4) Pevely's King Archer—A 3-year-old grandson of Langwater King of Meads out of 12,215—612 Jr. 3-year-old dam. (5) Pevely Actor's Boy—A 2-year-old son of "Actor Boy" out of a 556—2x dam. (6) St. Albans Grandee Steadfast Boy—A 3½-year-old son of McDonald Farms Grandee A.R. and out of 755-pound dam. These have all been used for artificial insemination. These sires are largely sons or grandsons of 2 famous sires—Valleywood Valiant 69 A.R. daughters and Wildwood Actor's August 113 A.R. daughters.

Every animal calfhood vaccinated — Health certificates furnished  
For catalog write: **THE MISSOURI GUERNSEY BREEDERS' ASSOCIATION**  
H. A. Herman, Secretary, 101 Eckles Hall, Columbia, Mo.  
Auctioneers: Bert Powell, Topeka, Kan.; Tony Thornton, Springfield, Mo.  
Bob Stovesand, Cedar Hill, Mo.; E. J. Parmlinter, Lockwood, Mo.



QUEEN OF HEARTS 2nd X

**Polled Shorthorns**

Over 100 head in Herds  
Cherry Hill Hallmark x and Red Coronet 2d x  
Herd Sires

For Sale: 20 Young Bulls—the choicest in the history of the herd (established 1907.) Also females, special—three head or more. Our greatest reward is our Satisfied Friends of many established herds. Calfhood vaccinated. Write for price list.

Location—we are 22 miles west and 6 miles south of Hutchinson, Kan.

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

**Beef CATTLE**

**REGISTERED POLLED SHORTHORNS FOR SALE**

7 bulls of serviceable age reds and roans. These bulls are sired by Gold Gloster and he is by Gloster Dale. At this time we would also sell some very good cows just fresh.



**BOOKER & PETERSON**  
Beloit, Kansas

**SHORTHORN BULLS REGISTERED**

Good quality yearling bulls  
**VINCENT FIELD, Almena, Kansas**

**POLLED SHORTHORN BULLS**

We now have some attractive bulls of good type and color and of serviceable ages for sale. Best bloodlines, and prices are reasonable.  
**The Miller Stock Farm, Mahaska, Kansas**

**REGISTERED HEREFORDS**

Entire herd for sale. 36 cows with 20 calves. Others to calve soon. 15 open heifers. 10 to 18 months old. Priced for immediate sale.  
**C. E. McCARTNEY, Penalosa, Kansas**

**POLLED HEREFORD BULL**

For Sale  
4 years old November 1, 1948. He was the second top in the Jesse Riffel 1945 sale.  
**IRL TINKEN, Gypsum, Kan.**

**Walnut Valley Reg. Herefords**

Bulls and heifers of correct Hereford Type, strong in WHR breeding. Few outstanding herd bull prospects. Sired by O.J.R. Jupiter Star 12th. 5 bred and 10 open heifers.  
**WAITE BROS., Winfield, Kansas**

**ANGUS CATTLE FOR SALE**

Angus foundation herd and steers for 4-H Club work. Also individual Angus heifers and bulls. See **CLIFF HENRY**, Glenwood Angus Farm 69 Highway and 95th St. Kansas City, Mo. Phone Melrose 9776

**BERT POWELL AUCTIONEER**

LIVESTOCK AND REAL ESTATE  
1529 Plass Avenue Topeka, Kan.

**HOGS**

**BERGSTEN'S Improved Hampshires**

Now offering outstanding Fall Boars. Immune and registered. New breeding for old customers.  
**R. E. BERGSTEN & SONS, Randolph, Kan.**

**Reg. Spotted Poland BRED GILTS FALL BOARS**

Gilts mated to a choice son of Hystet. Boars and gilts all sired by Kansas Chief. Top quality, select stock.  
**CARL BILLMAN, Holton, Kansas**

**SHEPHERD'S SUPERIOR DUROCS**

Bred sows, gilts for summer and fall farrowing. Boars: serviceable and spring tops in blood and conformation. Registered and immune. Prices right.  
**G. M. SHEPHERD, Lyons, Kansas**

**DUROC BOARS and GILTS**

Selected fall boars, open and bred fall gilts. Spring boars and gilts. Best bloodlines, medium type. Come or write  
**WILLIS HUSTON, Americus, Kansas**

**HIGH QUALITY DUROC FALL BOARS AND GILTS**

Sired by Orion Spotlight and Leaders King. Boars ready for service. The easy feeding kind. Immuned. Arthur E. Roepke, Waterville, Kan.

**DUROC FALL BOARS AND GILTS**

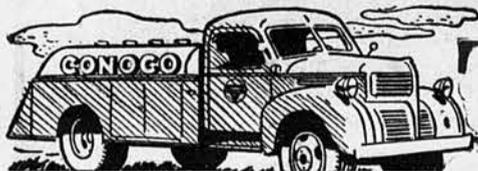
Sired by Double Sensation by the Mighty Super Sensation and from top dams of the breed. Splendid type and conformation, beautiful dark color. Money back guarantee.  
2 Spring Boars, 3 Late Bred Gilts  
**BEN M. HOOK & SON, Silver Lake, Kan.**

**Bloom Offers CHESTER WHITE HOGS**

50 boars, bred gilts, fall gilts. Weaning pigs at special prices, 9 to 16 in litters.  
**BLOOM CHESTER WHITE RANCH, Corning, Ia.**

**Champion Carcass of the World**

Our Yorkshire Barrow  
Raise Yorkshires for less hard, larger litters. High winning herd of the breed, Illinois, Ohio and Maryland. Illustrated circular.  
**YALEHURST YORKSHIRE FARM, Peoria, Ill.**



# The Tank Truck



Orville E. Brooks, in front of the elevator he built to make more money on his Wellington, Kans., farm. Mr. Brooks says he makes more money, too, by using Conoco Products.



Freshly harvested wheat flows from an overhead bin into a pit in the runway of the elevator. The Kansas winds blow out the chaff and cool the wheat for better grade.

## Box Cars Into Elevator!

Rearing out of the flat wheat plains near Wellington, Kans., is a 10,000-bushel wheat elevator for the sole use of Orville E. Brooks.

Mr. Brooks got the idea when he was able to buy 2 out-dated box cars. He set these out back of the house and a couple of years ago he built an elevator around them.

Mr. Brooks estimates that by being able to store grain without delay during the harvest rush, by working it during the off season to improve its quality,

and by cutting down on handling charges and labor, the elevator will pay for itself in 10 years.

And this isn't the only way Mr. Brooks is making money, either! "Back in the early Twenties," he writes, "I started using Conoco oil. Up through the years, Conoco oil has protected my equipment investment.

"A couple of times during this long period, I tried other oils. But *when the going got tough, I found the one oil that could really stay with me, day in and day out, was Conoco.* So I changed back. For keeps!"

And it will be like money in your bank account to change to Conoco N<sup>th</sup> Motor Oil. For Conoco N<sup>th</sup> contains an added ingredient that fastens a shield of protecting lubricant right to the

cylinder walls and other working parts. Your tractor, truck and automobile engines will actually be OIL-PLATED.

Even when the oil, itself, has been squeezed out by high loads, high speeds or high temperature, Conoco N<sup>th</sup>'s special shield guards moving parts. *That's why OIL-PLATED engines last longer, perform better, are freer of breakdowns and use less oil.* Call your Conoco Agent, today, for some of that remarkable Conoco N<sup>th</sup> Motor Oil.

## 5 Years - No Repairs!



"I've been using Conoco Products for over 20 years," writes Henry C. Timmerman, grain farmer, Brighton, Colo. "My repair costs on my equipment have always been very low—thanks to tip-top Conoco lubrication. I

operated one tractor for 5 years on Conoco Products without one single cent for repairs . . . the tractor was never overhauled during those 5 years!" Mr. Timmerman has found that OIL-PLATING his tractor engines with Conoco N<sup>th</sup> Motor Oil protects them—makes them wear longer without repairs.

## Spare Parts Not Needed!



"When tractor parts were almost impossible to get during the war," writes Warren Foote, Star route, Ririe, Idaho, "we managed to obtain a new crankshaft, sleeves and pistons for our International Tractor, thinking that any day we might need these parts to overhaul this

piece of equipment. Well, *we're still waiting for that day!* We have had the engine down twice since then, but couldn't find enough signs of wear to warrant the expense and trouble of replacing these parts! I credit a lot of this remarkable endurance to Conoco HD Oil, which has been used in this tractor for 12 seasons!" Mr. Foote raises Turkey Red wheat and grass seed on his 3500-acre ranch, and Conoco Products are used exclusively in all of his equipment.

## Orange Coffee Cake!



... by Mrs. WILLIAM DETTEPSEN  
Marion, Iowa.

1 cake yeast  
3 T. sugar  
2 cups flour  
1 1/4 cups milk, scalded and cooled

4 egg yolks, well beaten  
1/4 cup sugar  
1/2 cup butter, melted  
1 t. salt

2 1/2 to 3 cups flour  
1/2 cup melted butter  
1/2 cup sugar  
Grated rind of 3 large oranges  
1/2 cup slivered almonds or broken pecans

Mix yeast and 3 T. sugar, let stand 5 min. Add milk, 2 cups flour, beat thoroughly. Let stand 20 min. Mix second group of ingredients, add to yeast mixture. Add flour, knead until smooth. Let rise in greased bowl until doubled in bulk. Divide into 24 parts. Roll each part into ball, dip in melted butter, then in sugar mixed with orange rind. Place balls in large greased tube pan, the bottom of which is covered with almonds or pecans. Let stand about 45 min. Bake in oven, 350°, 45 minutes.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Oklahoma. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

## Sweep Stand!

Harvey Gully, R. 1, Rowena, Tex., made a sweep stand from a lug wheel of a row binder, an automobile tire rim, angle irons and reinforcement rods. It's substantial, and convenient.



## Dividing Board!

Replace broken dividing boards on mowing machine cycle bars with a spring tooth and clamp from a hay rake, suggests John J. Ashford, R. 1, Harrisonville, Mo.



## PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck* in care of this paper—and get a genuine \$8 D-15 Henry Disston Hand Saw for every idea that's printed!

# FARM KITCHEN

## YOUR CONOCO AGENT