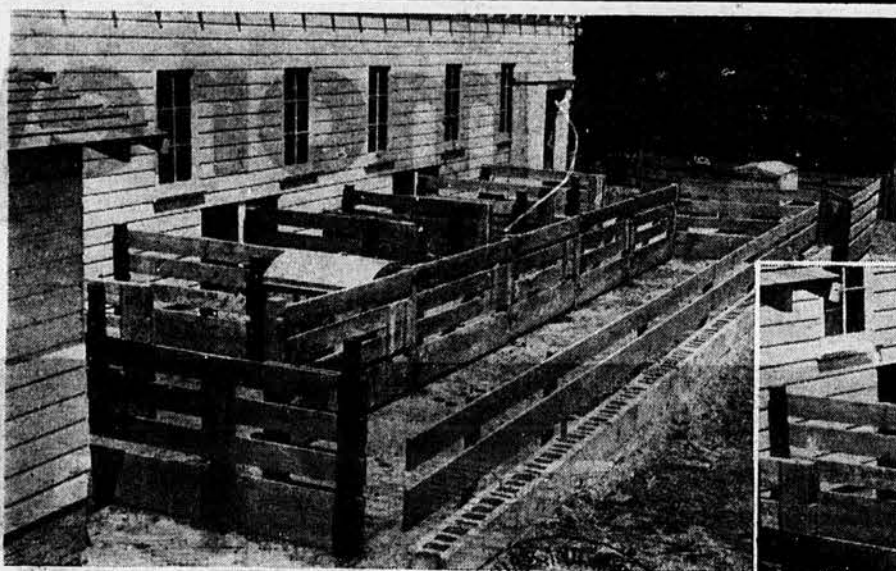
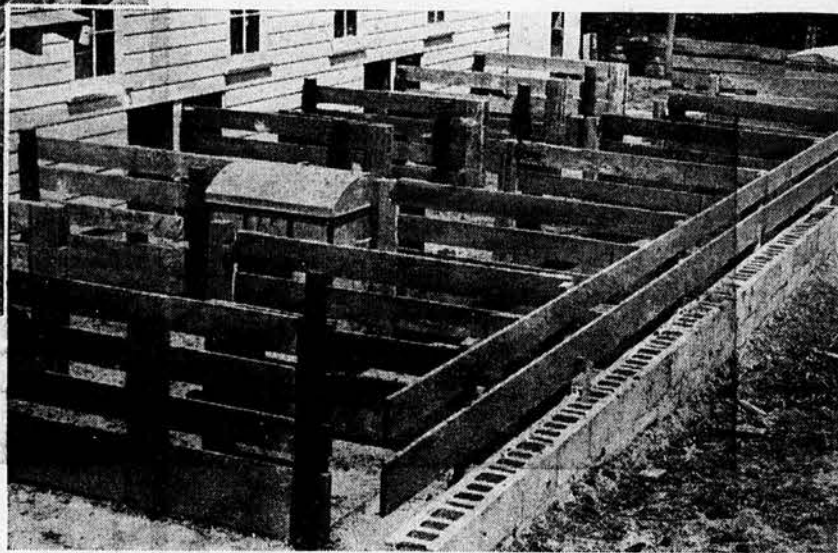


# Kansas Farmer



**SWINGING GATES** allow hog pens to be changed in size. At left gates are swung across pens to cut size of pens for pigs when small.

**WHEN GATES** on pens are swung open, below, size of pens is doubled. This flexibility of pen size gives pigs more room as they need it.



## Fit For Man and Beast

**Comfortable and convenient for those doing the work, this house does well for hogs, too, helping save more than 10 pigs to the litter**

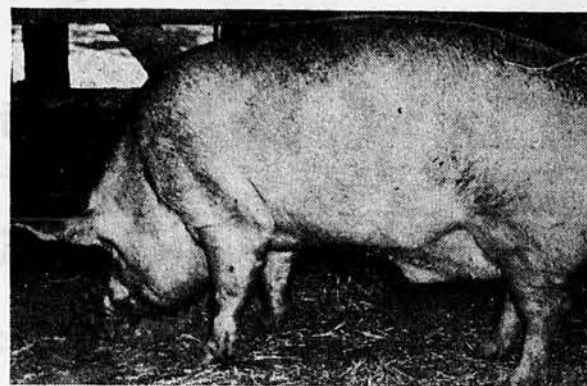
**WE BUILT A HOGHOUSE** for our comfort as much as for the hogs," say Charles Booz & Son, of Osborne county. These 2 men raise about 200 hogs a year in fall and spring litters, so they feel entitled to a house that is both convenient and comfortable for those doing the work.

Apparently the house is working well for hogs, too. Last fall 14 sows saved 143 pigs and this spring 11 sows saved 109 pigs. Most anyone would be satisfied with an average of 10-plus pigs per litter.

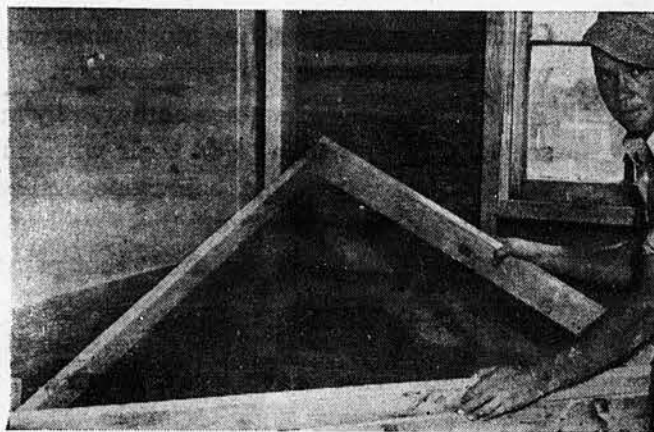
Instead of the usual center aisle, open-pen type farrowing house, Mr. Booz and his son, Carol, have worked out some ideas of their own. The house contains a single row of farrowing pens, but each pen is completely boxed in to keep out drafts. The back wall of each pen, however, is in 2 sections. The upper half of the wall can be folded up and latched to the ceiling to provide ventilation when weather justifies. Lower half of pen wall opens like a gate onto a service alley that runs full length of building.

One corner of each farrowing stall is boxed off as a pig brooder and heat lamps are used in these. To protect pigs, and to prevent any possible chance of fire should a heat bulb break, a screened frame is fitted into the brooder just below the bulb. This screen will catch and safely hold lamp fragments. "We have had several lamps break and believe serious damage might have occurred without the safety screens," explains Carol.

[Continued on Page 24]



**HERD SIRE** on the Booz farm is this home-raised Yorkshire boar, Oakdale Supreme.



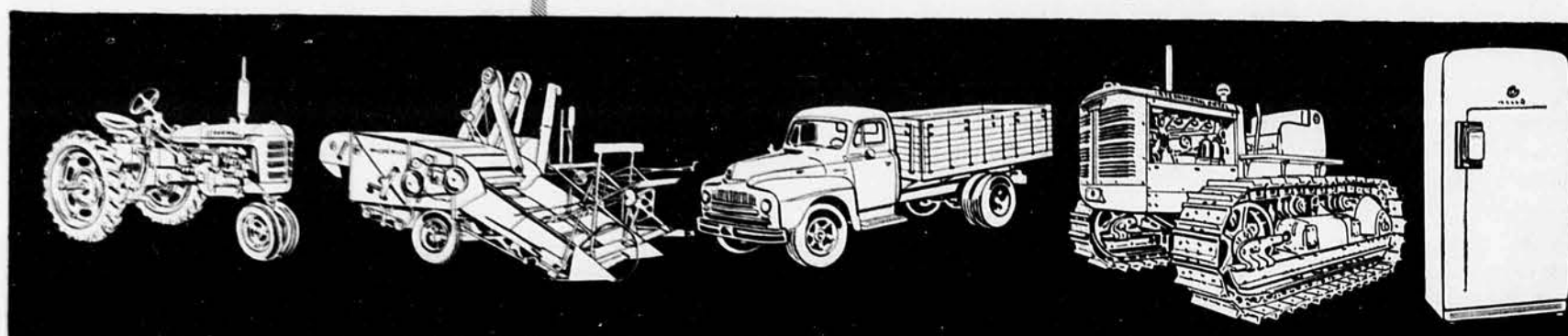
**A FRAMED SCREEN** section that fits into brooder and catches any broken heat lamp fragments is shown here by Carol Booz.

- **What About Grass Silage?** . . . . . **Page 6**
- **Our Traveling 4-H'ers** . . . . . **Pages 8 and 13**
- **To Eliminate Brucellosis** . . . . . **Page 18**

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## You Will Be Welcome on Tour With Flint Hills Hereford Breeders

by GEORGE H. FRITZ

FLINT HILLS HEREFORD breeders are sponsoring a 2-day tour, July 28 and 29, visiting herds in the northern section of the 14-county area. The tour, sponsored by the more than 100 members of the Flint Hills Hereford Association, will begin at the 4E Ranch of Allen Engler & Sons, Association President John Brink, LeRoy, announced. The englers will serve a Chuck Wagon breakfast at 7 a. m., July 28, 4 miles south of Topeka on U. S. 75 and 1 mile west.

Herds of Garland Gideon and Belyeres Ranch, Paxico, will next be inspected. At Kansas State College, the show herd, registered Hereford herd and experimental pasture and cattle will be visited, followed by lunch served by the College meats department. That afternoon, the tour will visit herds of C. C. Poole & Sons, Manhattan; John Poole, Junction City; Gene Sundgren at Sun Ranch, Junction City; T. L. Welsh,

Abilene. Supper and evening program at Abilene. Reservations for night at Abilene can be made by writing Welsh Hereford Farm.

Tuesday, the tour will breakfast at 7 a. m. at Howard Beetch & Sons Farm, Carlton, followed by stops at farms of Jesse Riffel & Sons, Enterprise; Miller & Manning Ranch, Council Grove; and J. B. Pritchard, Dunlap. Lunch and the afternoon program are scheduled at Moxley Hall Ranch, Council Grove, including inspection of Moxley Hall Herefords and Ferguson Herefords. Marshall Hall, Columbian Stock Farm, will discuss commercial producers' needs.

Members of the tour committee are: Phil George, Lebo; Allen Engler; George Thompson, Abilene; Dr. Rufus Cox, Kansas State College; J. J. Moxley; Gene Watson, Hutchinson; Tom Sullivan, secretary of the Kansas Hereford Association; George Fritz, Kansas Livestock Association.

### COMING NEXT ISSUE

A model kitchen for the homemaker handicapped with heart disease will be featured in the home department of the next **Kansas Farmer**. One of the best features of this kitchen is that it also is ideal for all homemakers, well or not well. You do not have to have heart disease to enjoy the bonus of extra time and energy it provides. If you must do things the easy way, such a kitchen is a necessity. Watch for the home department of the August 2 issue.

## Onetime Kansas Farmer Receives Prize Saw in India

By EMERSON G. SMITH

A HAND SAW, given as a prize thru **Kansas Farmer** a year ago by Continental Oil Company, has turned up in Deccan, India. And it got there by way of the Marquette, Kan., post office.

The saw, a D-15 Henry Disston model, was awarded to Ray Schrag, Marquette farmer, in August, 1951, for farm laborsaving idea he entered in Continental Oil contest running regularly in "The Tank Truck" column sponsored by Conoco in the **Kansas Farmer**.

Mr. Schrag's winning idea was published in the September, 1951, edition of **Kansas Farmer**. But when his prize, the Disston saw, arrived at Marquette, Mr. Schrag was in India, where he had just embarked to do missionary work after abandoning life on the farm.

The saw eventually found its way to Deccan, not far from Bombay, and the

Kansas missionary reports it is being put to good use. The saws used by natives are crude, makeshift models made with a 10-inch piece of steel and buffalo horns. The buffalo horns are used for handles and also provide pieces that serve as wedges to hold the handles firmly in place.

Mr. Schrag writes that India's blacksmiths and carpenters work with antiquated tools and take days on a job that could be handled in an hour or two with modern equipment and skilled labor.

To aid in his missionary work, the ex-Kansas farmer is currently studying the native Marathi language, which has a vocabulary of more than 60,000 words. Marathi is similar to Sanskrit, reputed to be the oldest and most difficult language in the world.

In his missionary work, Mr. Schrag pedals to native villages on a bicycle. "It's a far cry from farming in Kansas," he writes, "in more ways than one."

Mr. Schrag's father, David Schrag, lives at Moundridge, Kan.

## KANSAS FARMER

Continuing Mail & Breeze

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### Dale Johnson

#### To Study in Europe

Dale Johnson, Salina, has been awarded a Fulbright scholarship to study at the Danish Graduate School for Foreign Students at the Royal College of Agriculture and the University of Copenhagen during the 1952-53 school year. You'll remember Dale was an International Foreign Youth Exchange delegate to Europe in 1950, and you read his letters printed in **Kansas Farmer**.

### New County Agent

New county agent in Leavenworth county is Don Flentie, who has been teaching in the veterans farm training program at Sabetha. He succeeds Herb Bulk, who resigned.



He's feeling his **CHEERIOS**...

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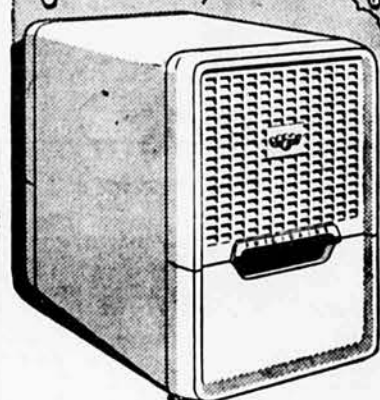


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# Now That You Have Electricity

**THIS IS TIME** of year when keeping cool applies to much more than just one's person. It is amazing how much electricity can contribute to personal comfort. But that effect is puny when its many uses are put to vital cooling.

For instance, take milk. One of the first things that happens to it en route from cow to consumer is cooling. Eggs deteriorate rapidly unless cooled quickly from the 100-degree temperature at laying time to around 60 degrees. And electricity has a hand, too, in cooling hay. Recent tests have shown wheat and maize can be controlled effectively by nothing more than forcing air thru the bin.

When your lights go out, we can suggest a simple check to determine whether the trouble is in your farm circuits, or the result of difficulty between your meter and the generating station. Use your ears. Listen to the meter. If it hums, the trouble is in the house or other circuit. If there is no noise the trouble lies farther along the line.

We heard of something the other day that comes as close to doing everything in a kitchen as is apparently possible to construct in one piece. It is a three-in-one unit that provides a refrigerator, ovenless range, and a sink within a space 27½ inches square. There also is a large storage drawer. The unit sounds like an ideal piece of merchandise for a small home or summer cottage.

**A suggestion:** In order to keep the area around light switches easy to clean, a thin coat or two of fresh, white shellac may be applied.

**You know how light attracts insects. One manufacturer has taken advantage of that to devise a trap. The bugs circle the light in customary fashion except that fins get in their way, causing them to drop into a bowl. Heat from the light kills them in a few seconds. It is an easy matter to remove the bowl and dispose of the insects. The fixture fits any light socket, is useful indoors or out.**

**There's an attachment for tank-type**

cleaners that can be used to polish floors, furniture or cars. It uses a lamb's wool buffer and a side handle that permits comfortable operation.

Newest variation on the hot tray, serving tray that is electrically heated to keep foods at the right temperature is a tray with the radiant glass in the center. It has 2 side areas on which cold foods or drinks may be carried.

Putting up a new building? There's a portable mortar gun on the market, electrically operated, that feeds mortar from a hopper to an auger, then thru a nozzle. The device supplies the material evenly and reduces waste.

Television for Kansas, or most of it is on its way. It appears now transmitters for Topeka and Wichita will be given FCC okay before many more weeks. That will mean a big boost in the homes viewing the regular programs, an addition to the estimated 17,900,000 homes which have TV installations. Other areas may be expected to receive charters as equipment becomes available.

Just for a quick count of electric kitchen helps, we have gathered this list to which you may be able to add. But starting with a range, let's add an electric roaster to supplement the range, an electric casserole and less familiar electric beanpot, chafing dish or tureen. Then there is a corn popper and an egg cooker, a deep-fat fryer, a waffle baker and an electric grill. We haven't mentioned a toaster and electric coffee maker nor have we entered the field of the electric mixer or electric beater. Then there are the electric blenders or liquefiers that do a grand job of mixing beverages or blending ingredients. Finally, and fondly, an electric ice-cream freezer beats cranking but produces the old-time flavor.

We would like more information of this, but the small amount on hand is intriguing. The trickle tells of a new way to wash corn electrically. Apparently, the corn is given a jolt of about 30,000 volts as it goes thru the process. Quaker Oats Company announced the project recently, the result of considerable research.

**GRANDMA . . . . By Charles Kuhn**





# Let's Stay

# Cool

Mrs. George D. Sauder, Madison, Kan., who keeps cool during the hot summer months with an electric window fan.



## Make Hot Summer Months More Enjoyable By Simply Turning A Switch



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Your Electric Servant

## ELECTRIC COOLING—CERTAINLY!

"We can bring the cool of the evening indoors during the summer months by the use of our electric window fan," say Mr. and Mrs. Sauder.

"It makes our evenings more enjoyable and we also use it to cool the bedroom on the second floor before retiring for the night. Ironing on a hot summer afternoon has been made easier too, by the use of our electric window fan."

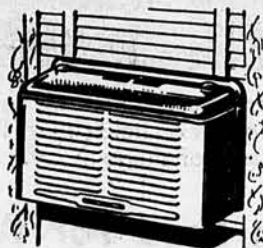
Portable electric fans of every va-

riety, an electric window fan, a window air conditioner, and a room dehumidifier are just four of the many ways electricity is bringing better living to rural Kansans today.

In hundreds of other ways Reddy Kilowatt is helping the Kansas farmer, not only with conveniences, but with increased efficiency in his farming operations which in turn results in bigger profits. Electric service is the most economical and versatile hired hand the farmer has today.

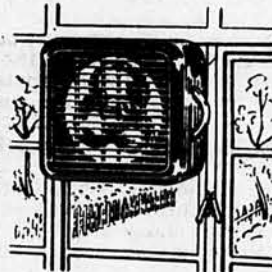


### Reddy Kilowatt Suggests



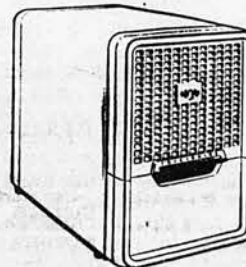
**ELECTRIC WINDOW Air Conditioner**—that does all the name implies; effectively cools, filters, dries, and circulates fresh air. No water used. Various sizes for individual rooms.

**ELECTRIC WINDOW FANS**—come in many types and sizes and many of them come with handles ready to be moved from room to room; expel hot stale air and circulate cooling night breezes.



**FLOOR FANS and Oscillating Electric Fans**—cool air on the floor can be moved about the room quickly and quietly. Scores of various types all within reach of the average pocketbook.

**ROOM DEHUMIDIFIER**—when the air is full of moisture and the temperature excessively high an electric dehumidifier automatically removes the water—literally, too—and it's amazing how soon you are comfortable. Inexpensive.



**See Your Local Dealer**

MR. AND MRS. SAUDER relax in the cooling breeze of an electric window fan in their Madison home.



### ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

Central Kansas Power Company    Kansas Gas and Electric Company    Eastern Kansas Utilities, Inc.  
Western Light & Telephone Company    Kansas City Power & Light Company  
The Kansas Power and Light Company



## No Wilting Necessary With This Silage

"IF I KNEW how long to wilt the darned stuff I'd put up some grass silage," is a common statement heard these days.

Wilting isn't necessary under the silage-making plan followed on the Ramsey Ranch, Butler county. Here is the plan used.

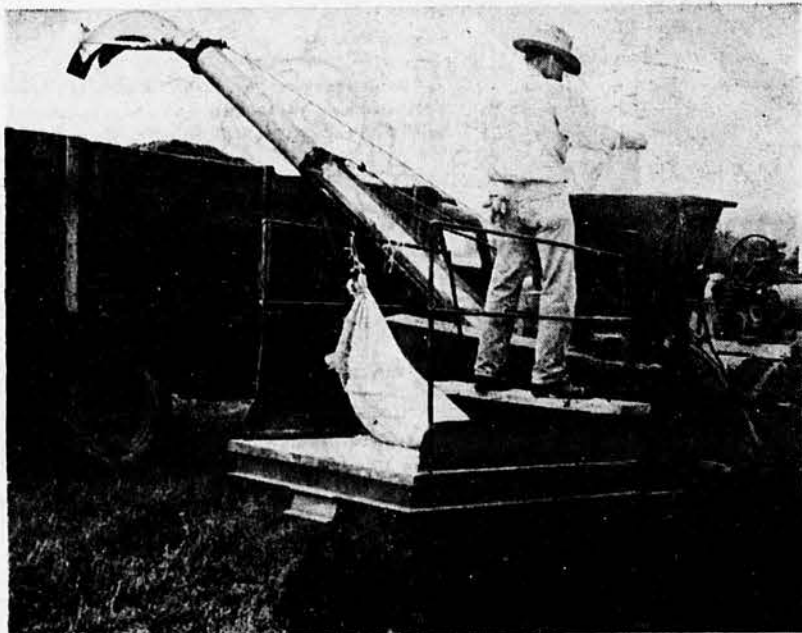
A riding platform was built on the back of the field cutter, and a hopper was added to the back of the blower on the cutter. This hopper holds 200 pounds of corn chop, which is fed into the blower and mixed with alfalfa silage at the rate of 200 pounds of chop

to approximately 3 tons of grass silage.

Directly from the cutter, then, the silage is taken to a trench silo, where a track-type tractor with a bulldozer blade is used to level and pack.

Corn chop in the silage absorbs some of the moisture and tempers fermentation. No wilting of silage is necessary.

The Ramsey Ranch, Ralph Gifford, manager, has 2 huge trench silos 150 feet long, 12 feet deep and 20 feet wide, with concrete floors. From 600 to 900 head of cattle are wintered on the ranch.



**ELIMINATES WILTING:** Merle Foster, Ramsey Ranch employee, Butler county, puts corn chop in hopper on field cutter. Two-hundred pounds of chop are mixed with 3 tons of silage as cut.

## Preserve Green Feed For Wintertime

GRASS SILAGE KEEPS growing in importance. It is being used successfully by more dairymen, more beef men each year. They are using the silo to preserve green grass of spring and summer for wintertime use. Dairymen are finding it a valuable feed to supplement for dry pastures in late summer.

Phillips Brothers, Earl, Curtis and Alan, Manhattan, are about as enthusiastic as any dairymen we have ever talked to about grass silage. They are the sons of the late K. W. Phillips, who established a wide reputation as a Holstein breeder.

These Phillips brothers have been showing some remarkable milk production gains the last 2 or 3 years. Some of that gain was the result of their breeding program. But they frankly admit good alfalfa silage had something to do with it, too.

### What Figures Show

For example, look at these figures. Earl points out. During the summer of 1948 an average size herd of 28 cows produced an average of 24, 25 and 26 pounds of butterfat respectively during July, August and September. The following year average size of the herd was up to 32 cows. Alfalfa silage was added to the ration for these same late summer months. Production was 34, 35 and 36 pounds of butterfat average respectively for July, August and September.

Both summers they had Sudan pasture for their cattle. But dry weather had reduced efficiency of the Sudan. Their 1948 herd average was 424 pounds of butterfat. When you get into that class it takes something special to produce increases in production. Extra pounds don't come easy. Average production 2 years later was 478.4 pounds of butterfat.

Some of that is just good herd im-

provement. But some of it they chalk up to grass silage, too.

Oscar Latzke, Geary county Aberdeen-Angus breeder, tells us he has mature cows on his place that have never eaten dry hay. They graze on pasture in summer and eat alfalfa silage in winter. It's good growing and wintering feed, Mr. Latzke says.

### How Grass Silage Helps

John Hiller, Hiller's dairy Farm, Topeka, has a special problem with his herd of 70 to 80 Holstein cows. He has only a small amount of pasture available at the home place. Other ground is too far away to use for pasture. Grass silage makes his operation possible. These cows get alfalfa silage almost the year around. In summer they may be feeding right out of the same silo they are filling. It is a substitute for pasture. And it works.

It takes a little know-how to make good grass silage. Some users have had bad luck. But others say, shucks, it isn't at all difficult.

The bureau of dairy industry, at the Agricultural Research Center, Beltsville, Md., has been making from 100 to 200 tons of grass silage by the wilting method nearly every year for the last 10 or 15 years. They use no preservative. Most of it has been of excellent quality, free from mold, and equal in feeding value to unwilted silage put up with molasses or other preservatives. Wilted silage is a little lower in carotene than unwilted put up with a preservative. But the wilted silage contains 2 or 3 times as much carotene as the same grass put up for hay.

They use no moisture-testing equipment when putting up grass silage at Beltsville. They go entirely by feel and looks. Freshly-chopped ensilage can be squeezed, as indicated in the illustration.

(Continued on Page 25)



Too wet



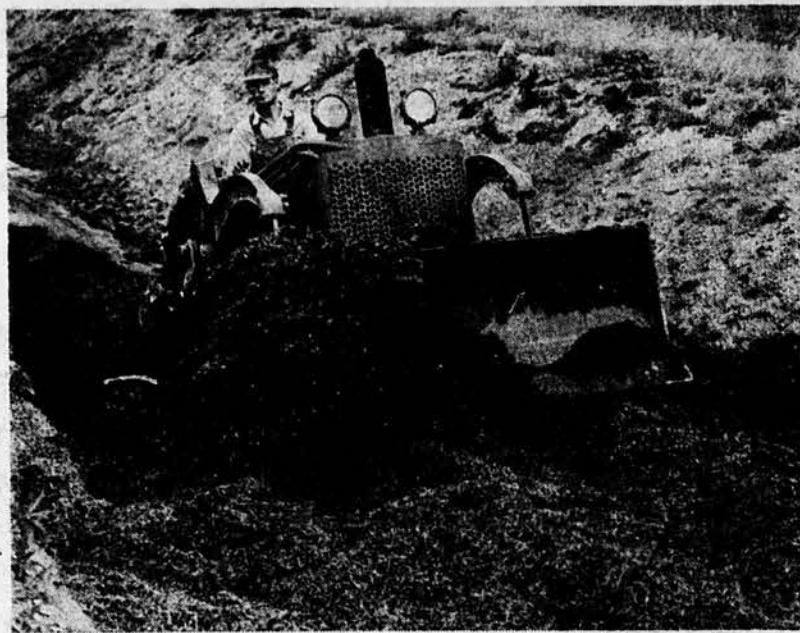
Still too wet



Too dry. Will not pack. Will mold.



Just right. Packs in hand but springs apart when hand is opened.



**A SMOOTH JOB:** Robert Madsen, Ramsey Ranch, uses heavy track-type tractor with bulldozer to pack grass silage in trench silo.

## Like Grass Silage For Milk Production



**W. A. BAUMAN**, left, and his son, Vernon, are shown beside discarded oil-drilling rig which they remodeled to support a boom which lowers large buckets into pit silos to bring out grass silage. One of silos is seen in back of the Baumans, a snow fence around it to keep stock out.

LAST SUMMER when many farmers were shoving their rain-spoiled hay into ditches, W. A. Bauman and his sons, Vernon and Arden, near Wathena, were putting brome and alfalfa up as silage. They started a grass silage program 4 years ago using red clover. Since then they have tried some corn silage and believe they noticed a slight drop in milk production when feeding it.

Last year's first cutting from 40 acres—a mixture of alfalfa, brome and red clover—went into 4 silos. "Some was a little too ripe before we got it in," they explained, "but we put up 286 tons." They mow, then windrow the grass and pick it up with a forage harvester. A sling arrangement is used to pull grass out of box-type wagons into their 2 pit silos, 20 and 37 feet deep. "We dug them 5 feet at a time and plastered the walls as we went down," the senior Bauman explained, "thus avoiding the necessity of a scaffold." This year they are also using a neighbor's upright silo and a 100-ton trench silo in their pasture.

"We feed hay all summer," Mr. Bauman said. "We got onto it when the DHIA tester suggested we try it to keep an even flow of milk. Cows eat the hay after they come in out of the pasture. This year we turned them out

on brome and alfalfa pasture and they ate a 4-year-old oats stack before they started on the pasture. That was all right with us because it was added protection against bloat and scouring. They feed their hay in mangers and bunks thru the summer. Bunks were used last winter for silage.

"Our pasture rotation starts with brome," Mr. Bauman continued. "Then we pasture a brome-alfalfa mixture after it is mature enough to avoid bloat. After 2 weeks we take the cattle off and clip the alfalfa. Then we come back to lespedeza and brome. We use red clover, too, when we have it."

The Baumans farm 252 acres. They have 30 cows in grade-A production.

## Better Poultry

"Poultry Management" is a detailed, 88-page circular of the Kansas Agricultural Experiment Station which gives many aids to the manager of a large poultry flock. For a copy, address Farm Service Editor, *Kansas Farmer*, Topeka. No charge. Ask for Circular 277.



# Kansas Farmer

## News and Comment

### More on Own Farms

THIS STATEMENT may seem to contradict itself. Despite the decline in total number of farms in the U. S. there are about a quarter million more farms operated by owners today than in 1930. Back in 1930 about 42 per cent of U. S. farms were operated by tenants; by 1940 this had dropped to 27 per cent, is something less than 27 per cent in 1952. Department of Agriculture says this has wiped out the increase in tenancy that had developed over the preceding 5 or 6 decades. Had that downward trend continued, we now might have had only 55 per cent of U. S. farms operated by owners instead of nearly 75 per cent as at present.

This certainly speaks well for the industry and ability of tenants. Many have become farm owners. It takes intelligence and good management to do that in these times.

Now for the population figures: In the last 20 years farm population in the U. S. has gone down nearly 7 million—from 31 million to 24 million. In the same time the population of the country has increased by 31 million—from 124 million to 155 million. That gives an idea of how many more people depend on fewer farmers every year to feed them. Farming is an important job!

### Get the Safety Habit

JULY 20 TO 26 is National Farm Safety Week. That is a good time to practice safety measures on the farm, in the home and on highways. But the other 51 weeks in the year are just as good for the same purpose. So make farm safety a year-around habit in your family and in your community.

It seems unnecessary to list dangers around the farm. Who would know them better than farm folks living there? But familiarity with things sometimes breeds thoughtlessness or the "I'll take a chance this time" attitude. Take your ladder for example. It can be a friend or a foe—can give you a lift or a disastrous let-down. Is it strong and safe? Do you set it securely far enough from the wall? Do you work at least 2 steps from the top?

How about the pitchfork? Or other sharp, dangerous implements? Do you leave them around where someone might get hurt? Do you work safely around farm animals? Are matches in a safe place? Have you checked your farm for accident traps recently?

Safety measures are necessary on the farm. Here are the unpleasant figures to prove it. The National Safety Council states that on the basis of past records, these things will happen in the next 12 months, unless farm residents

are careful: Accidents will kill 41 farm residents a day. Every 24 seconds a disabling injury will strike a farm resident. One out of 19 farm residents will suffer a disabling injury. About 6,000 farm residents will be killed and more than 200,000 injured in motor vehicle accidents. About 4,000 farm residents will be killed in work accidents. One out of six farms will be the scene of an accidental injury.

Now, those are average figures and none of these accidents will happen on your farm or to your family if you follow safety practices you know are reasonable and necessary.

Safety week is divided like this: Sunday you probably will hear a safety sermon in your church; Monday will emphasize home safety; Tuesday, livestock safety; Wednesday, be careful and don't fall; Thursday, practice highway safety; Friday, be safe working with machinery; Saturday, urge safety every week in the year.

Ben Ludy, general manager of radio stations WIBW and KCKN, of the Capper Publications, has been named chairman of the Kansas committee on National Farm Safety Week, by Roy Freeland, chairman of the Kansas Farm Safety Council. All major farm organizations are co-operating in this safety effort. Every farm family is urged to make a pledge to outwit all possible accidents.

### Worth 6 Billion Dollars

DID YOU KNOW the 4th annual National Vegetable Week will be celebrated this year July 31 to August 9. Kansas folks are well acquainted with such events as Dairy Month in June. Growers in the big vegetable states are just as enthusiastic over their week.

The fact is almost every state in the Union produces vegetables on a commercial scale. The Vegetable Growers Association of America and related industries will invest something like a million dollars in boosting vegetables in this special week. The association assures us vegetables are now the number 2 item in the American diet. And that commercial vegetable growing is a 6-billion-dollar business. That isn't at all difficult to believe. Certainly nothing is more important in the diet than good, fresh vegetables.

### Soil Tests Essential

IF YOU DON'T think agriculture in Kansas is moving forward at a fast pace, just listen to this. Less than 3 years ago Cowley county installed the first county soil testing laboratory in the state. You read about it in *Kansas Farmer*.

This year at a recent agricultural meeting, Walton Dodge, state director of the Farmers Home Administration, announced from now on farmers living east of a north and south line thru Reno county must submit soils tests for any farms they seek to buy thru FHA loans.

Thus, the soil test, a little-known tool 3 years ago, has already become a vital factor in determining credit for farm loans and for working out programs for farm rejuvenation.

### Well Fed to Date

CAN YOU imagine everybody in Kansas going hungry? Or everyone in the United States? That never has happened, probably never will. What brings this to mind is this recent statement: "At present rates of food production and population growth, the United States will need an additional 100 million acres for farming by



"Depression is that period when people do without what their parents never had."

"We mustn't overlook the most insignificant detail," said the worried bride-to-be. "Don't worry about him," said her mother, "he'll be there."

"This man claims he has the most valuable hen. He crossed a hen and a parrot, and as a result the chicken not only lays an egg, but says, 'Come, and get it!'"

"Then there is the husband who is a very plain-spoken man—calls a spade a spade.... until he stubs his toe on it in the dark!"

"The Sunday school superintendent was reviewing a lesson. 'Who led the children of Israel out of Egypt?' No answer. So she pointed to a little boy at the back of the room, and asked him. 'It wasn't me,' he said timidly, 'we just moved here last week. We're from Missouri.'"

"Many a girl marries a night owl, hoping he'll turn out to be a homing pigeon."

"Stop worrying, pretty soon today will seem like a long time ago."

"Don't question your wife's judgment. Look who she married."

1975." R. I. Throckmorton, Kansas State College, made that statement.

The point is, no such additional acreage is available for food production. So if we go on producing food at the present rate on our present acreage there simply will not be enough to go around, if the population increases as much as anticipated. But that isn't likely to happen either. What will happen is this. "Since the additional acreage is not available, it must be replaced with ingenuity, good soil management, good production methods, hard work and research. These will postpone indefinitely the day when this country will face substandard rations for the increased population," Dean Throckmorton said.

Exactly those same points have kept us well fed to date.

### Hail Insurance Grows

HOW IMPORTANT is hail insurance in this country? Official figures for 1951 show a continued increase in the volume of crop-hail insurance carried by farmers. Last year farmers paid more than 50 million dollars in premiums for 1.3 billion dollars worth of insurance against hail damage to their crops—more than in any previous year. They received about 35 million dollars in payment for losses, also a record high.

Hail insurance is sold in every state by stock companies, in about half of the states by mutual companies, and in Colorado, Montana and North Dakota by State Hail Departments.

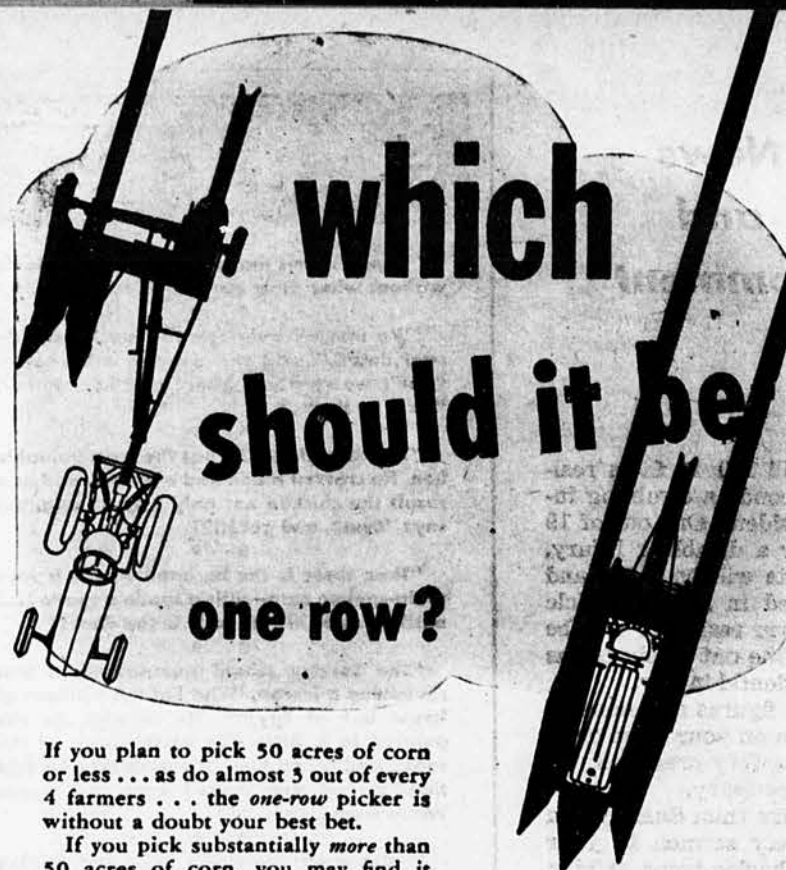


"It weighs 98 pounds and it's going to meet a tall, dark man!"



"You didn't miss much. One of the fellows just made a home run with the bases loaded."





If you plan to pick 50 acres of corn or less ... as do almost 3 out of every 4 farmers ... the one-row picker is without a doubt your best bet.

If you pick substantially more than 50 acres of corn, you may find it practical to buy a two-row picker. But, even with large corn acreage, the one-row picker *might* be a better bet. This simple chart tells you, at a glance, some of the advantages and disadvantages of both ...

CAPACITY	ONE ROW*	TWO ROW
COST	a third less	a third greater
POWER REQUIREMENTS	light tractor	heavy tractor
ATTACHING TIME	few minutes	up to a day; two men (mounted)
DETACHING TIME	few minutes	half a day; two men

The two-row picker does *not* have double the capacity of the one-row picker ... for husking beds and elevators are *not* twice as large. In heavy corn, considerable clogging is encountered with the two-row picker.

The one-row picker can circle the field before filling the wagon. A two-row picker usually *must* change wagons at the far end or in the middle of the field.

To summarize, it takes a whale of a lot of corn to justify the greater cost of a two-row picker ... and to tie up your tractor while corn is being picked.

If you have doubts as to whether a two-row or one-row picker should be purchased, go see your Ferguson Dealer and let him tell you about the BELLE CITY Corn Picker\*. You'll find it may be just the picker you need ... for it was designed and built to meet the needs of the biggest number of corn producers.

Harry Ferguson, Inc., Detroit 32, Mich.

## FERGUSON-BELLE CITY CORN PICKER

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**Diamond Top**

Tongue-Lock CONCRETE STAVE

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**THE JAMES KNIGHTS CO.**

SANDWICH 10, ILLINOIS

## DANIEL GOES TO GREECE

Whole country will be our home the next 4 months. We move to a new farm about every week

Remember, Kansas Farmer promised to bring you letters from 2 of our Kansas 4-H'ers who are spending some time on farms overseas this summer. Here is the first one from Daniel Petracek, of Oberlin, who has gone to Greece.

DEAR MR. GILKESON: (Athens, Greece, June 25, 1952.) This is my first of a series of letters I will be writing of my experiences as an International Farm Youth Exchange delegate to Greece.

Our delegation arrived in Athens this morning at 1:30 a. m. aboard the TWA flight from Rome, and so we are just getting established in our new home. Actually, the whole country of Greece will be our new home for the next 4 months, because we will be traveling from farm to farm thru the many areas, moving about every week or two.

Our delegation to Greece consists of Robert Peck, of New York, Robert Jones, of Georgia, and myself. We were part of a group of 24 delegates who are visiting the Mediterranean and Near East countries this summer. Another group of 44 delegates have gone to the Northern European countries, and a group of 22 delegates left for Scotland and Ireland the 25th of this month.

### Aboard an Italian Ship

Our group sailed from New York Harbor on June 12, after a week of intensive orientation in Washington, D. C., on the language, culture, and policy of and towards the countries we visit. We were aboard the S. S. Vulcania, which is an Italian ship. A very unique and, I believe, very beneficial situation was afforded us on this ship in that it was Italian. Approximately two thirds of the passengers in our class were Italians, therefore providing plenty of opportunity for the use of our sign language. It gave us a chance to become accustomed to foreign surroundings and people, and it also helped us understand them a great deal better. We were able to visit 4 different countries on our way over, so that was a great benefit and experience, too. Our ship docked at Lisbon, Gibraltar, Genoa and Naples.

We saw many interesting sights and people thruout our voyage, but I think the scene at Gibraltar is the one thing I will remember longest. As soon as we had dropped anchor there we were surrounded by natives in small boats selling everything imaginable from bracelets to hats. They were definitely out after the American tourist dollar, and everything they had was "one dollar" unless you could talk faster than they could. American money is readily accepted everywhere you go thruout all of Europe.

When our group reached Rome on June 24, each country's delegation split up and went by plane to its respective destination. Our group, as I stated be-



Daniel Petracek

fore, arrived at 1:30 a. m., June 25.

We were met at the air terminal by Print Hudson, the agricultural attache to Greece; and Mr. Yale and Mr. Batty of the extension section of the Mutual Security Administration. They are all very fine gentlemen and are doing everything possible for us.

Our schedule and stay here in Greece will be sponsored primarily by the Federation of Union Co-operatives and the Ministry of Agriculture. Tentative plans are for us to remain in Athens for about the first 2 weeks to become established and all final arrangements made. Then we will be separated and sent to the particular areas of the country that are similar to those we are accustomed to. As far as I know now I will be sent to the area known as Thessaly, which has a fairly large wheat concentration and is known as the "Breadbasket of Greece."

### People Very Happy

What I have seen of the Greek people so far has impressed me very much. They are certainly hospitable and will go out of their way to help you. They are the poorest people in Europe per capita, but in my estimation they have a wealth that far outshadows that of many of the other people of the world. I am already seeing how wrong I was in many of my ideas of foreign people, and I am beginning to get a much better understanding of them every day. I really respect the Greeks for what they are, and they certainly do have a lot to be proud of.

I am looking forward to a great experience here in Greece this summer and you will be hearing more from me soon.

The best of luck to everyone back in dear old Kansas, and I hope the wheat crop turns out as good as it looked when I left.—Daniel Petracek, IFYE delegate to Greece.

## One Man Believes Wheat Straw Plus Supplement Will Carry Cattle

IN THE FACE of a possible shortage of feed for livestock in many Kansas counties, can wheat straw be used with any degree of satisfaction?

Roswell V. Garst, Coon Rapids, Ia., believes it can be done. "Bob" Garst, hybrid seed corn grower, has made a thoro study of feeding steers on corn-cobs, which basically, are about the same in chemical language as straw. Here's what he writes:

"In answer the question whether farmers in Southern Kansas and Southwestern Missouri can carry cattle on wheat straw and protein supplement in a satisfactory fashion, about as we have done with ground corncobs and

protein supplement, I am sure it would work far better than most farmers could believe.

"I have seen California farmers use barley straw and protein supplement made out of molasses and urea with very good success. It does not rain in the summer months in the central valley in California, and I have seen farmers simply windrow barley straw and then spray the windrow with a molasses-urea mixture (88 per cent molasses and 12 per cent urea, which produces a mixture that carries 30 per cent protein). They spray only as much of the windrow as the cattle will

(Continued on Page 9)



be likely to consume during each day. "A good many big feed manufacturers are now making high-protein pellets containing molasses-urea and either soybean or cotton cake that are very excellent, and I would feel reasonably certain 3.5 pounds per head per day of these high-protein pellets fed along with any bright cellulose, would keep cattle coming along with good gains. The cellulose can, of course, be the dry grass of the pastures. Or, it can be ground corncocks—or, it can be rather poor quality hay—or, in my opinion, it can be straw. Of the straws I suspect barley straw would be best, oats straw next best, and wheat straw third from the best. But I feel wheat straw would be very good and that it would certainly work to carry cattle thru until the fall rains brought fall grass.

"We have never fed any straw here at Coon Rapids because we have such a vast supply of corncocks, but I have seen straw fed in other areas.

"Celluloses such as dry grass, corncocks, cornstalks, straws, and the sorghum canes, are all very low in protein. However, they are excellent feed for ruminants—that is, cattle and sheep—if sufficient supplemental protein is fed with them.

"Because of the scarcity and extremely high price of soybean meal, cottonseed meal, and linseed meal, it is essential that a good part of the supplemental protein comes from urea, which is made from the air and which is available in unlimited quantities. The urea seems to give best results when it is fed with molasses. Your manufacturers of high-protein supplement can make a great contribution with their pellets which will permit farmers to carry cattle thru until fall feeding on celluloses which would not be valuable without the high-protein supplement.

"Your magazine can be helpful, as it has been in the past, in pointing the way to the maintenance of cattle numbers during the drouth period."

## Carl Elling Plans Busy Future

Carl Elling, who retired as Extension animal husbandry man at Kansas State College after 44 years service, has busy plans for the future.

"I still carry a part-time connection with the college and will judge livestock at fairs and continue as superintendent of the swine and sheep departments at Kansas State Fair... rest of the time Mrs. Elling and I will take things in an easy way and enjoy what we do," he says. Plans include dividing time between their Manhattan ranch with 40 purebred Herefords) and their 1,700-acre northeastern Oklahoma ranch (stocked with a 250-head herd of commercial Herefords).

Mr. Elling received an emeritus certificate of honor at the 1952 college commencement activities, says he and Mrs. Elling want to live near the college and Kansas agriculture, to whom they owe so much.

## Gone to Texas

Walter E. Kruse, former Kansas State Animal Husbandry graduate student, is the new county agent of Parker County, Texas. This county covers a large part of the well-known Fort Worth prairie and is known for its dairy cattle, beef cattle and its fruit. His office is at the courthouse at Weatherford, Texas. Weatherford is about 30 miles west of Fort Worth. Kruse would appreciate having his Kansas friends stop by to see him when in that area.

## Toll Roads First Rate

We are very much for toll roads in Kansas for they are safer and make traveling quicker and more enjoyable. So far all toll roads built have paid out or mostly paid out so think they are first rate."—Norman Steffens, Crawford county.



## 1 NEW COLUMBIA BREED INCREASES WOOL PRODUCTION

Lambs of the new Columbia breed (developed by USDA) grow rapidly and mature early. These sheep average from 12 to 18 pounds of wool a year. Their ancestors produced only 2 pounds a year!



## 2 HONEYBEES—THEY'RE THE ONLY SURE ANSWER FOR SEED PRODUCTION...

Honeybees placed in alfalfa fields at blossom time are the only sure way to produce seed, says USDA. Many seed growers are contracting with bee-keepers for this service. Make plans early to assure a good supply of bees. See your State Apiarist.



## 3 YOUNG PIGS, RUNTY PIGS THRIVE WITH ANTIBIOTICS

Young pigs, especially runty pigs, grow faster when antibiotics are added to their diet. In recent USDA experiments, weak, undersized pigs increased their growth rate 100% with antibiotic diet. Ask your county agent about best antibiotic for your use.



## 4 BETTER FARM MACHINE GREASES...

Trojan Greases, perfected by the Cities Service Research and Development Company, are best for all farm machines. These heavy duty, heat-resistant greases will give complete satisfaction and thorough lubrication protection under severest operating conditions. Don't risk equipment damage and stalled production. Use "Farm-Tested" Trojan Greases on all your farm machinery. Call your Cities Service Representative.

**CITIES**



**SERVICE**

**QUALITY PETROLEUM PRODUCTS**

*Accessories for the farm*

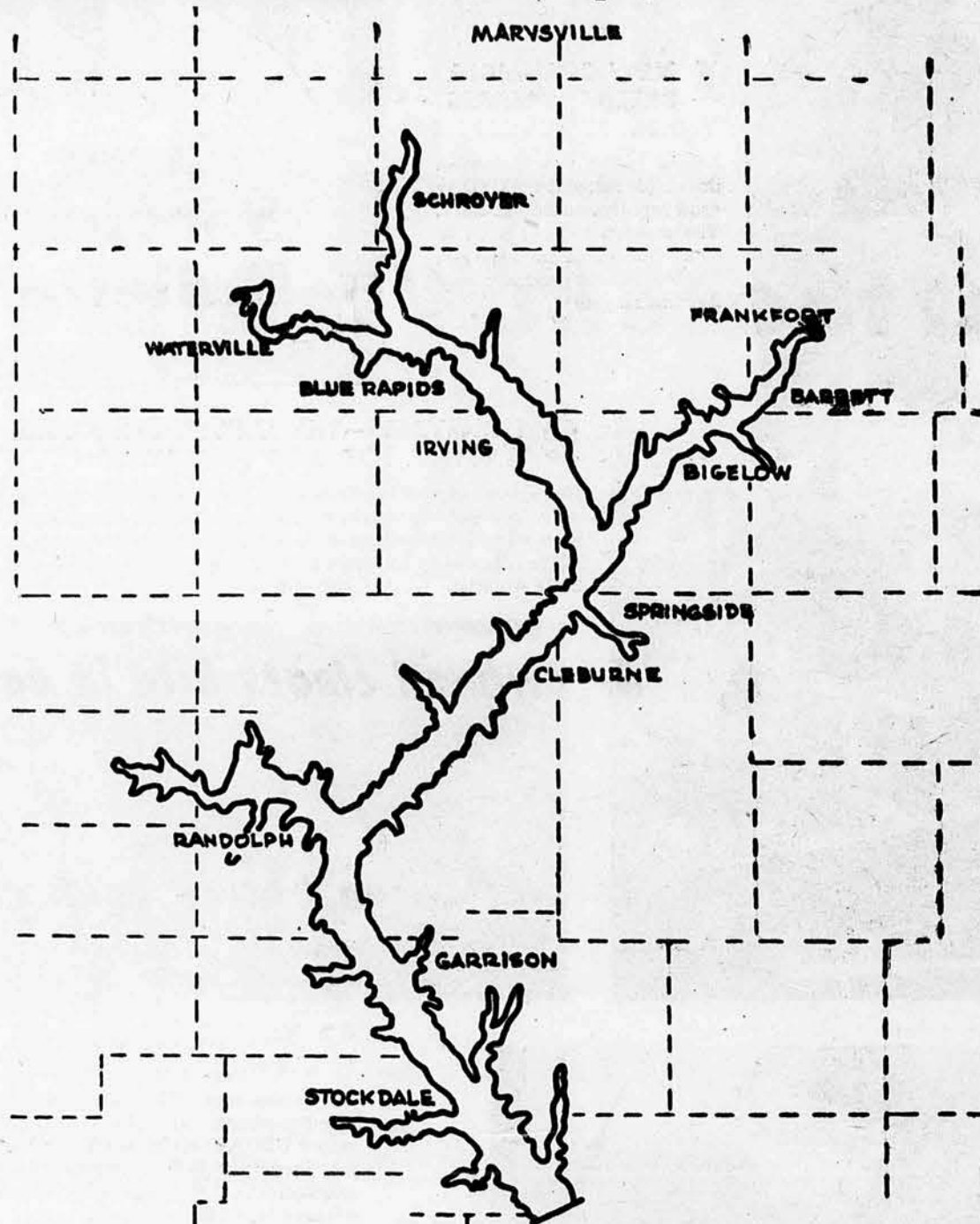


## 5 THE RIGHT GASOLINE IS AN IMPORTANT FARM ECONOMY FACTOR

Cities Service Gasolene is designed to give you MORE than just full engine power. This highly refined motor fuel is EXTRA CLEAN-BURNING... is scientifically designed to keep harmful, power-stealing carbon formations to a minimum... to keep vital metal surfaces WITHIN YOUR ENGINE shining clean. This important feature saves you many dollars by providing long gasolene mileage and fewer engine repair bills. Get ECONOMICAL top performance with Cities Service Gasolene.



# Start on Tuttle Creek Reservoir Possible Within 60 Days, Lincoln Says



—Map prepared for Topeka Daily Capital by U. S. Army Corps of Engineers.

**ABOUT 53,000 ACRES** of the Blue River valley shown here will go to the government for Tuttle Creek flood control project as result of 5-million-dollar appropriation by 82nd Congress July 7, 1952, to start reservoir construction. Decision ended 14-year battle by residents of farms and 8 towns involved to save what they called Kansas' richest farmland.

CONSTRUCTION on the 79-million-dollar Tuttle Creek reservoir, some 5 miles north of Manhattan, will start as soon as property is acquired, according to Col. F. J. Lincoln, Corps of Army Engineers, Kansas City. Contracts will be let in 10 days and the contractor should be ready to go in about 60 days, Colonel Lincoln explained. Residents of the building site, however, will be contacted personally and be given reasonable time to move.

Not all of the area will be lost for farming, he said. Sixty per cent of the total area will be leased back for farming. Owners and tenants now on the land will have first priority. If they aren't interested, the land will be thrown open, going to the highest bidder.

Corps appraisers will set values on the approximately 53,000 acres and try to reach settlements with property owners. Condemnation proceedings and court decisions may be necessary in some cases, to clear title.

Reservoir construction will take about 5 years depending on appropriations, Colonel Lincoln said.

A "dry dam" is provided for in the appropriation bill, which also states that no provision for power or recreation is made. This will not affect construction of the dam but is a matter of operation, the engineer stated.

"I recommended to the inter-agency committee meeting in Topeka last December that the conservation pool be eliminated from the reservoir to provide more space for storage for flood control which is what we are working for, so the dry dam idea suits us completely," the Colonel said.

"We feel Tuttle Creek reservoir is a key project and the most important single project for flood control in Kansas," the Army official said.

Residents of 8 towns and the 53,000 acres which would be inundated if the dam filled up, gave the engineers the strongest opposition they have met in any of their proposed flood control projects, fighting the measure for 14 years, and at the last sending a barrage of telegrams and phone calls to representatives in Washington.

## Plan 11 More County Soil Labs

More soil labs are planned for Kansas counties. Following special soils-testing schools at Kansas State College in June and July for county agents, 11 counties will establish new soils-testing laboratories.

R. V. Olson, Kansas State College agronomist, says the counties are Chase, Coffey, Woodson, Neosho, Mont-

gomery, Sedgwick, Reno, Kingman, Harper, Pottawatomie and Barton. Thirty-one other Kansas counties have labs. *Kansas Farmer* in the last 4 years has brought you many articles on soil labs, the most recent one appearing in May 3, 1952, issue.

## She Likes to Talk About 4-H Clubs



Elaine Lunt

ELAINE LUNT, president of Richland Rustlers 4-H Club, in Pratt county, is tops at giving promotional talks on benefits of 4-H Club work.

It all started when her local club's citizenship activity included working with and helping a Ukrainian family in their community—Mr. and Mrs. Alexander Bakumenko and 2 sons. It was thru Elaine's contact with this family, her interest in, and her association with them, that she acquired material for a talk.

She won the county contest, was a blue-ribbon winner at the regional contest, too, with her talk, "Americanizing Anna." At the State 4-H Round-up last May, Elaine was chosen from 38 members giving promotional talks to present hers before the 1,300 persons attending the annual convention. Also, she gave her talk at a luncheon of the Kansas Committee on 4-H Club work, at Manhattan, recently. She has presented her prize-winning speech over several radio stations, plans more for the future.

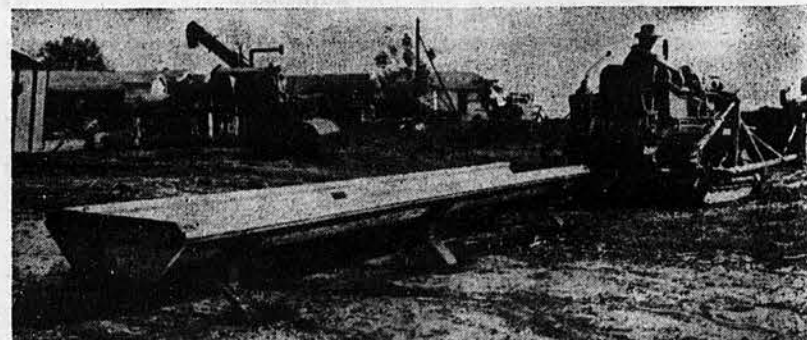
Purpose of the promotional talk activity is to provide opportunity for older 4-H members to present 4-H work to the public. The speech must be original, and be related to the furtherance of 4-H work.

Elaine is in her 7th year of club work, is a charter member of her club. Last year she was Pratt county achievement champion, received a trip to the American Royal Livestock Show.

## Protects Ignition Wiring

A coat or two of clear lacquer to exposed ignition wires on your car, truck or tractor will give much longer trouble-free service. Lacquer will prevent acids and moisture from damaging insulation and help eliminate shorts of leaks.—K. S. C.

## A VERY HANDY FEEDER



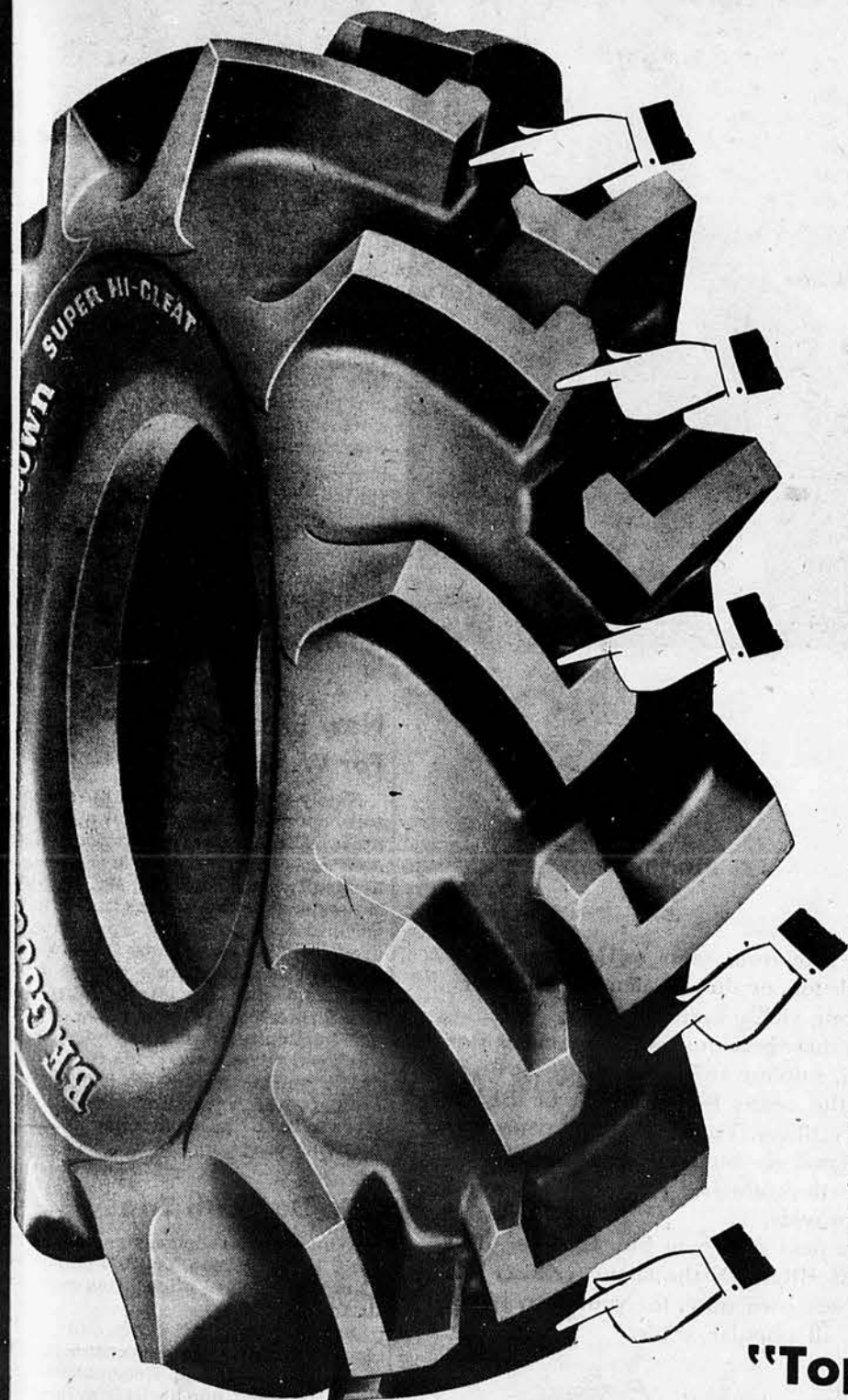
**NO TROUBLE** with this calf feed bunk being pushed over, no spilling feed and feeder is easily moved, too. Two front wheels off a tractor were used to form base—wheels cut in thirds, placed back to back and welded together and braced with a lug. Skids are placed under "legs" of the feeder so it is easily moved from place to place just by hooking on with tractor. Two-by-four braces along sides keep feed from being spilled out. Designed and built by Frank Sawyer, Atwood.



# B.F. Goodrich

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## tires give you greater traction because of these *NEW* features:



### *Higher cleats penetrate deeper*

Power-Curve cleats are higher in the center than those of other leading makes. Result: they bite deeper in the center, where the most traction is needed. You get greater drawbar-pull. And extra-high Power-Curve cleats wear longer, save you money.

### *Arrowhead cleats bite in easily*

Power-Curve cleats are pointed with an arrowhead nose that digs into the soil without rolling back. Result: greater traction and pulling power, less chance of slippage.

### *Special curve braces each cleat*

Each Power-Curve cleat is specially curved to grip the soil, give you full traction in reverse or forward. This curve braces each cleat so it bites in without bending, another aid to traction. Test this principle yourself—which stands more rigid under pressure, a curved or straight piece of paper?

### *Parallel cleats clean naturally*

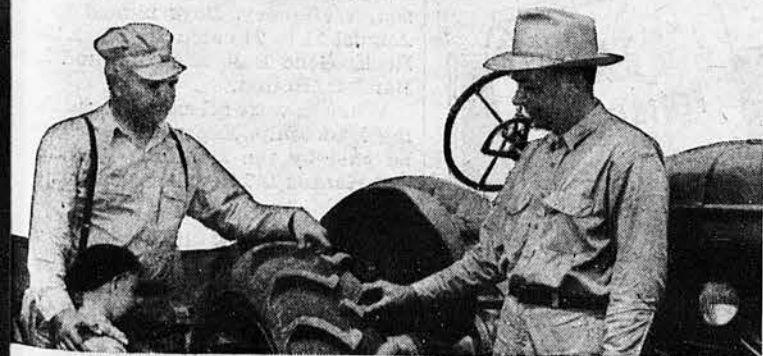
Power-Curve cleats are parallel from center to shoulder. Dirt drops easily out of the open channels and from the open-center tread. Power-Curve tires stay clean—and only clean tires can give you full traction.

### *Rounded profile boosts traction*

Just like a round-pointed shovel, Power-Curve tires are built with a rounded profile. The cleats are rounded across the entire width of the tread. Result: Power-Curve tires take a clean, sharp bite into the soil, give full shoulder-to-shoulder traction.

### **"Tops for traction with me"**

So says Glenn Riffe (right) of Windfall, Ind., about Power-Curve tires, and adds, "I believe they are the best I have ever used." You'll agree with Mr. Riffe when you see powerful, rounded-profile Power-Curve tires at your B. F. Goodrich retailer's store. He'll be glad to show you how these tires give you greater traction, save you money. His name and address are listed under Tires in the Yellow Pages of your telephone book. When buying new equipment remember to specify B. F. Goodrich tires. The B. F. Goodrich Company, Akron, Ohio.



**Make every week Farm Safety Week—the life you save may be your own.**





## here comes **BEM** the bonus **BRAND!**

**WHY** is BEM BRAND called the "bonus" fertilizer? It will pay you to know the answer to that question, because it can lead you straight to bigger crop yields, better pasture, more productive land than you've ever had before.

You know that the more you produce from your soil, the more you must put back into it. And you know the main nutrients that must be replaced are nitrogen, phosphate and potash. Too many farmers make the mistake of stopping right there... and look only for these three elements when they buy fertilizer. What about the other vital plant foods

that crops take from your soil? They must be put back too, or the deficiencies will start robbing your yields sooner or later.

It is these precious secondary elements... calcium, sulphur and many more... that make up the bonus in every bag of BEM BRAND Fertilizer. You're cheating yourself, and your land, if you don't take advantage of the growth-producing power these bonus elements provide.

The next time you buy fertilizer, demand BEM BRAND, the bonus fertilizer... made in your own state, for your own kind of soil, in all popular grades.

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

**LISTEN TO**  
TODAY'S FIRST HEADLINES  
WITH **SAM SCHNEIDER**  
6 A.M. DAILY ON KV00  
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WITH **LARRY FINLEY**  
MON. WED. FRI. ON KCMO  
1100 ON YOUR DIAL

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THURSTON CHEMICAL CO.  
JOPLIN, MO.

Buy **BEM**...the bonus fertilizer!

**THURSTON CHEMICAL CO.**



### Jim Petr Takes Marketing Job



Winzer (Jim) Petr

Announcement is made of appointment of Winzer (Jim) Petr to head poultry marketing work in the Kansas State Board of Agriculture. Roy Freeland, secretary, said Mr. Petr's duties will be to head the marketing division's studies of the poultry marketing problem, and to accelerate use of grades in marketing Kansas eggs.

Working in close co-operation with farm organizations, Kansas State College officials, and other groups, the new program will work toward greater efficiency in the marketing process. The department hopes to further increase quality of eggs, and to explain and encourage use of grades, from buying stations thru retail markets.

Mr. Petr, Kansas State College agricultural economics graduate, has been Vocational Agriculture instructor at Powhattan 3 years. Prior to that he was an instructor at Hiawatha, county 4-H agent in Wyandotte county and Dighton Vo-Ag instructor.

### New Extension Job For W. G. Amstein

Newly-appointed head of the agricultural specialists department of Kansas State College Extension service is W. G. Amstein, effective July 1. Extension horticulturist since 1935, Mr. Amstein is president of the Kansas State Horticultural Society. He has a master's degree from Kansas State College, and obtained his bachelor's degree from Massachusetts Agricultural College. He is a former county agent, was Extension horticulturist at University of Arkansas 5 years, then came to KSC.

Mr. Amstein's new duties are to coordinate the agricultural specialists' work in the balanced farming and family living program.

### Win Danforth Trip

Winners of scholarships to attend the 1952 American Youth Foundation Camp at Shelby, Mich., this summer are named.

Selected for girls' camp, July 28 to August 10, are these 4-H'ers: Marjorie Gigot, Garden City; Rosemary Gladhart, Highland, and Twila MarJean Olson, WaKeeney. Boys named for the August 11 to 24 camp are Mark Clark, Rock; Gene Ball, Hanston, and Lynn Bartlett, Holton.

Winners were selected for outstanding leadership. Expenses of trips will be paid by the Danforth Foundation and Kansas Bankers Association.

### Thank You, Folks

We surely like Kansas Farmer and the service it renders. Enjoy your leaflets.—Mrs. Roy W. Searcy, Shawnee Co.

We enjoy Kansas Farmer and get lots of good ideas from it to use on the farm and ranch.—Mrs. Edna Sanders, Montgomery Co.



# JACK GOES TO NORWAY

Boat made stops at Le Havre, Southampton and Rotterdam.  
Holland looks just like pictures you have seen



Jack Grier

Remember, Kansas Farmer promised to bring you letters from our two 4-H'ers who are spending some time on farms overseas this summer. Here is the first one from Jack Grier, of Pratt, who has gone to Norway.

DEAR MR. GILKESON: (June 24, 1952.) Most farm people of Kansas are acquainted with IFYE (International Farm Youth Exchange) and its purpose. This summer there are 90 delegates going to 20 different foreign countries. It is, indeed, a pleasure to write to Kansas Farmer enabling us IFYE's to partially repay them for their good support of our program. It also is one of the best ways I know of to reach farm people of Kansas with my letters while in Norway.

I boarded a train, The City of St. Louis, at 8:30 a. m., June 3, in Kansas City, Mo. On the train I met Joan Engle and Nadine Entriiken, both of Abilene; Dan Petracek, of Oberlin, and Marion Tongish, of Herndon. Our train was an hour late arriving in St. Louis so we had to wait for later train.

## Took in the Sights

While we were in St. Louis we boarded a streetcar and saw some sights. Next morning we saw some beautiful scenery while traveling thru the Allegheny mountains.

We arrived in Washington, D. C., at 6 p. m., Wednesday, June 4. As soon as possible we 5 Kansas IFYE's went to the U. S. Department of Agriculture building where we met Warren Schmidt and L. S. Nichols. They had charge of our orientation period while we were in Washington and New York. We were in Washington 4 days. During this time we filled out many forms, and received paper material to aid us while abroad.

One evening while we were in Washington, Joan, Nadine and I went to see our first major league ball game; the Washington Senators lost to the Chicago White Sox 3-4. While we were in



"Mighty nice looking field of corn George; when d'ya start tapping it for sirup?"

Washington we became well-acquainted with IFYE's from other states and Puerto Rico.

Sunday morning before we left we had an opportunity to do as we pleased. A small group of us went sight-seeing and some of the points of interest we saw were: Arlington Cemetery, Tomb of the Unknown Soldier, Lincoln Memorial, Washington Monument, Capitol building, and the Library of Congress. Sunday afternoon we boarded a train for New York, and arrived there at 7 o'clock that evening. After supper many of the group went walking in downtown New York, to see some of the places we had always heard about. We saw Rockefeller Center, Radio City, and Times Square. I have never seen such an arrangement of neon lights.

## Ate in Famous Hotel

Monday morning we were guests of Sears, Roebuck Foundation for breakfast at the beautiful Waldorf-Astoria hotel. We ate dinner in the observation dining room of the Empire State building, 102 floors above street level. A person can surely get a good view of the city from there. That afternoon our group boarded a sight-seeing bus and toured lower New York and Chinatown. I never realized that in the U. S. such poor living conditions existed as there are in the slums of lower New York. After another short lecture on the structure of the United States Department of Agriculture on Tuesday morning, we were free to pack. We boarded our ship at 3 p. m. June 10, and sailed out of New York harbor at 8:30 p. m. That was the last time any of us IFYE's will see the U. S. for 5 months.

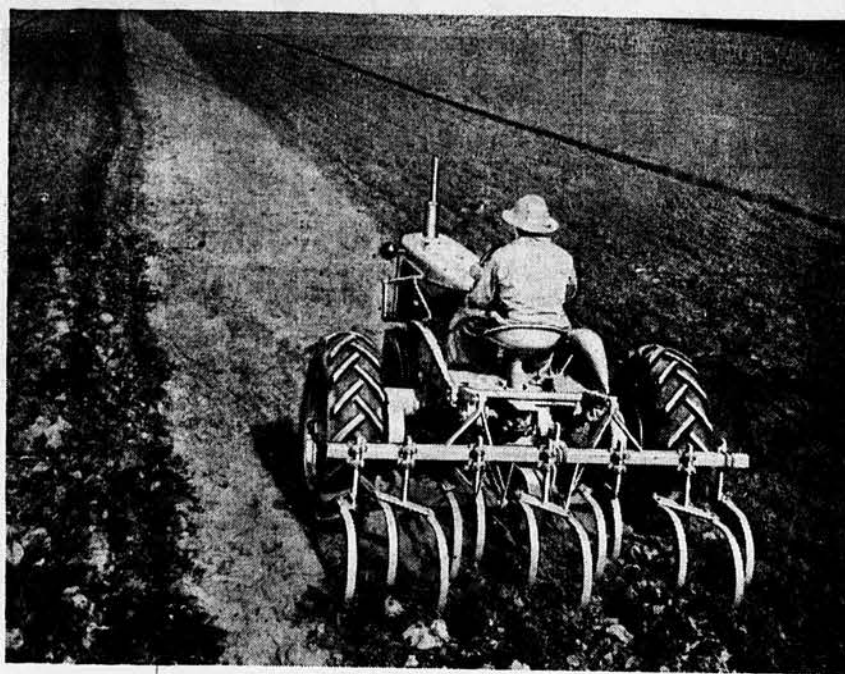
The boat on which we sailed across was the M/S Nelly, a student travel ship. There were some 800 students on board representing 170 educational institutions. The trip across was very nice and few people became sick.

Our boat made 2 stops at Le Havre, France, and Southampton, England, before we docked at Rotterdam. Holland is a very flat country with much vegetation growing everywhere. Every house has a window box with flowers. Rotterdam was partially destroyed during the war, so much of it is very new, but in the country it looks just like the pictures I have seen of Holland. Flat, green pastures crossed by many canals, with many cattle and windmills in the background. In Holland practically everybody rides bicycles; however, there are many more automobiles than I had expected to see. About one third of these automobiles are American-made. People in Holland wear the same type clothes we do in the U. S. The only difference I could tell was in language. However, many people in Rotterdam speak some English.

## Four Guildens One Dollar

The day we spent in Rotterdam some of our group rented bicycles and went for a ride in the country. The Dutch dollar is called a guilder and 4 guildens equal approximately one dollar. Sunday evening we boarded a train and left the Atlantic coast behind us. One-and-a-half days later, after traveling thru Hamburg, Germany, and Copenhagen, Denmark, we, Marjorie Hattan, from Idaho, Katy Adkins, from Georgia, and myself arrived in Oslo, Norway. We were met at the station by a very fine woman, Aslaug Engnaes, 4-H counselor in Norway. Next morning we visited the American Embassy in Oslo and talked to Dr. Einar Jensen, agricultural attache to Norway from the U. S. This afternoon Katy Adkins and myself will take a bus and will travel 70 or 80 miles to the northwest of Oslo, where we will be placed on separate Norwegian farms. Will write about the farm after I get settled there. (Morna), So Long—Jack Grier.

P. S. My address is Jack Grier, c/o Dr. Einar Jensen, Agricultural Attache, American Embassy, Oslo, Norway.



# WAKE UP YOUR FIELDS

## with an A-C Field Cultivator

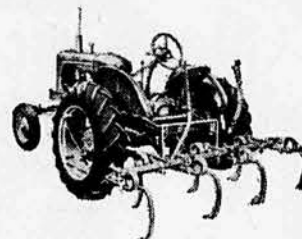
Pasture land sodbound?

Wake up the soil in a hurry. Open it up. Start it breathing and absorbing water.

Allis-Chalmers live tooth cultivators bring your land to life... help to free it from choking crust. Spring-action teeth kick out hard-to-kill weeds and sod. They wither and die. Seedbeds are loosened and mulched.

Ask your Allis-Chalmers dealer to show you the quick-mounted, hydraulically controlled field cultivator of your choice. The price is so reasonable it will surprise you.

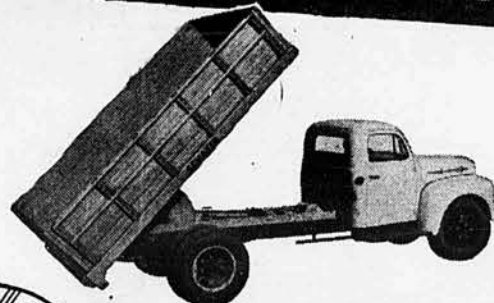
Spring-tooth models are available for Allis-Chalmers CA (shown above)—G-B-C and WD Tractors. 4, 6, 7 and 8-foot widths. Depth gauge wheels optional.



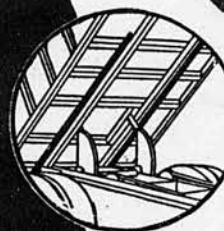
For deep cultivation and use in stony land, rugged coil shank models are available for Allis-Chalmers CA and WD Tractors. Duckfoot sweeps or double pointed cultivator teeth.

**ALLIS-CHALMERS**  
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

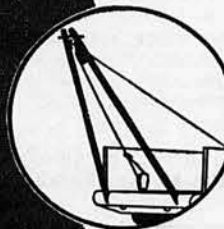
# Now "NEVER-FAILING" PTO WINCH-OPERATED DUMP



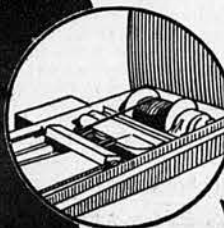
LARGE CAPACITY



When not in use Gin Poles are carried under steel bed floor. Can be easily removed by loosening set screw.



Can be converted easily to winch truck for hoisting in 15 minutes by one man.



Winch-type lift. Faster, more positive action than hydraulic hoisting.

## GRAIN BED-CATTLE RACK WITH GIN POLE CONVERSION

Here's a new 3-in-1 truck converter for 1001 hauling, dumping and lifting jobs around the farm. The new Schafer truck converter gives you a grain bed with cattle rack and gin pole conversion. Now you can have one truck that does all the jobs around the farm. PTO winch-operated DUMP... 1400 lbs. maximum lift required. Does same job as five-ton hydraulic hoist... yet cost no more. Easily maintained—absolutely safe... grain bed is all-steel construction... fir siding, oak uprights... All-steel floor. All units are dealer mounted. Made for Ford, International, Chevrolet, and GMC 159 to 161-inch wheelbase trucks. Sold by authorized Schafer Truck Converter dealers at competitive low prices! Write TODAY for FREE complete illustrated literature about the amazing new Schafer Truck Converter.

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**IMMEDIATE DELIVERY**

Big Chief is your answer to emergency grain storage plus being ideal for livestock, machinery, workshop, etc. . . Available in 20 to 60 ft. widths—4 ft. multiple lengths. Wider span and more head room. No tie-in braces necessary for grain storage. High strength, reinforced steel rod truss framework with exclusive rod wind bracing. Can be erected by inexperienced labor in a few days with help of factory supervisor. Low cost. Standard sizes.



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"Now, I don't mean purchase price . . . LUBRIPLATE probably costs a lot more per pound than the grease you are now using . . . what I'm getting at is the over-all costs.

"LUBRIPLATE lasts longer . . . yes, it does. You see the film is tougher . . . it stands up longer. A lot of fellows who use LUBRIPLATE tell me they have been able to stretch their lubrication schedules. This in itself is a saving.

"But the big thing is LUBRIPLATE

arrests progressive wear and prevents rust and corrosion. Sure you save on parts replacement and machine shut-down . . . and as to lubrication . . . LUBRIPLATE is the slipperiest stuff you can put on a bearing. Of course it saves on power. All and all LUBRIPLATE is the most economical lubricant you can use."

Prove this to yourself by using LUBRIPLATE No. 130-AA for general greasing.



Write for a FREE copy of the booklet . . .

"LUBRIPLATE FOR FARM MACHINERY"

**INTER-STATE OIL CO.**

2005 Armour Road

North Kansas City, Missouri

**THE MODERN FARM LUBRICANT**



**Dwight Hull SAYS . . .**

## We Visit a County Where 98 Per Cent of All Farms Are Owner-operated

OUR VISIT to Washington county, Tenn., was to study grassland farming. But our most pleasant surprise was to find a community where 98 per cent of the farms are farmer-owned and operated. They have well-kept modern homes with modern conveniences. Average-size farm is less than 50 acres. To top it off everyone, young and old, seemed to have plenty of time for wholesome recreation. Amazing! Yes, but true.

This all has come about in the last 25 years, as these farms have been changed from row-crop farming to grass. Today about 95 per cent of all tillable land is in grass. "Twenty-five years ago our soil was worn out, but today a lot of our soil is better than it ever was," said County Agent Raymond Rosson.

Mr. Rosson, and the assistant agent, E. M. Henry, drove from farm to farm making us acquainted with the families and explaining what is being accomplished in Washington county. We were prepared to see farms with lush grass and good dairy herds, but we were completely surprised to find so many fine, modern homes, up-to-date rural schools and high schools, and fine country churches.

### More Time for Living

As we drove over the rolling hills of this beautiful countryside, the secret of what is going on in Washington county, Tenn., gradually began to unfold. After talking to quite a number of farmers and their families, and listening to Mr. Henry and Mr. Rosson explain the development of the community, we were convinced the secret had its origin in the mind and heart of the county agent, Mr. Rosson. He had the vision that grass would not only conserve the soil, but would help build it up. He also believed a grassland farmer would find more time just for living.

His theory, as I gathered it, was in order to have a prosperous, happy community you had to conserve and build the soil, then get the farm families of a community working together. As a result there are today 26 well-organized communities, with a county council composed of officers of the communities. That these communities are live, working organizations was not hard to detect.

### Center of Community Life

For example, each farm had a large, well-painted sign, telling the name of the farm and the name of the community. And a community organization means just that, as plans for the whole community life are centered in these organizations. Their farm program such as their demonstration units, 4-H Clubs, home demonstration units, their community social activities, school and church activities and their community improvement projects are all considered and acted upon in their community organizations. The county council influences and directs activities on a county-wide basis. And apparently they have become convinced what is good for one is good for all, as they work together for the good of each other as well as the good of the community.

Their community projects started with such things as getting rural electric lines, then running water in their homes, and more recently such things as landscaping their yards, getting school playground equipment, hiring recreational instructors, and improving the libraries for their schools. Their recreational activities consist of square dances, fox hunts, dog shows, talent night and baseball games. There are 16

county baseball clubs that play every Saturday afternoon from April until October and wind up with a little world series.

Farm families respect and appreciate the fine leadership Mr. Henry and Mr. Rosson are giving them. No matter how busy the farm family was, they seemed genuinely happy to have these men come and with real enthusiasm took time to walk with us over the farm showing and explaining to us what they were trying to accomplish, their successful projects as well as their failures, and proudly showing us their homes, usually explaining what improvement project they were undertaking this year, or the one they had

### Pick the Best!

Why not pick the best fruit ever from your trees this year? A sound insecticide program helps. Parathion is an effective control, and you'll find many hints for fat, juicy fruits by reading "Parathion Insecticides—Grower's Handbook." It's printed by the American Cyanamid Co., N. Y. For a copy, write Farm Service Editor, *Kansas Farmer*, Topeka. No charge.

accomplished last year. Value of these community organizations for the good of the entire county and state was soon recognized among leaders of business and civic groups. As a result, "The East Tennessee Community Improvement Program" was sponsored by civic groups.

Here then is a community that has found happiness and prosperity, not rich, not poor, but prosperity and in so doing established an example any community might do well to pattern after. Soil fertility is the foundation upon which it was built, and indeed soil fertility must be the foundation upon which any community, county, state or nation must build.

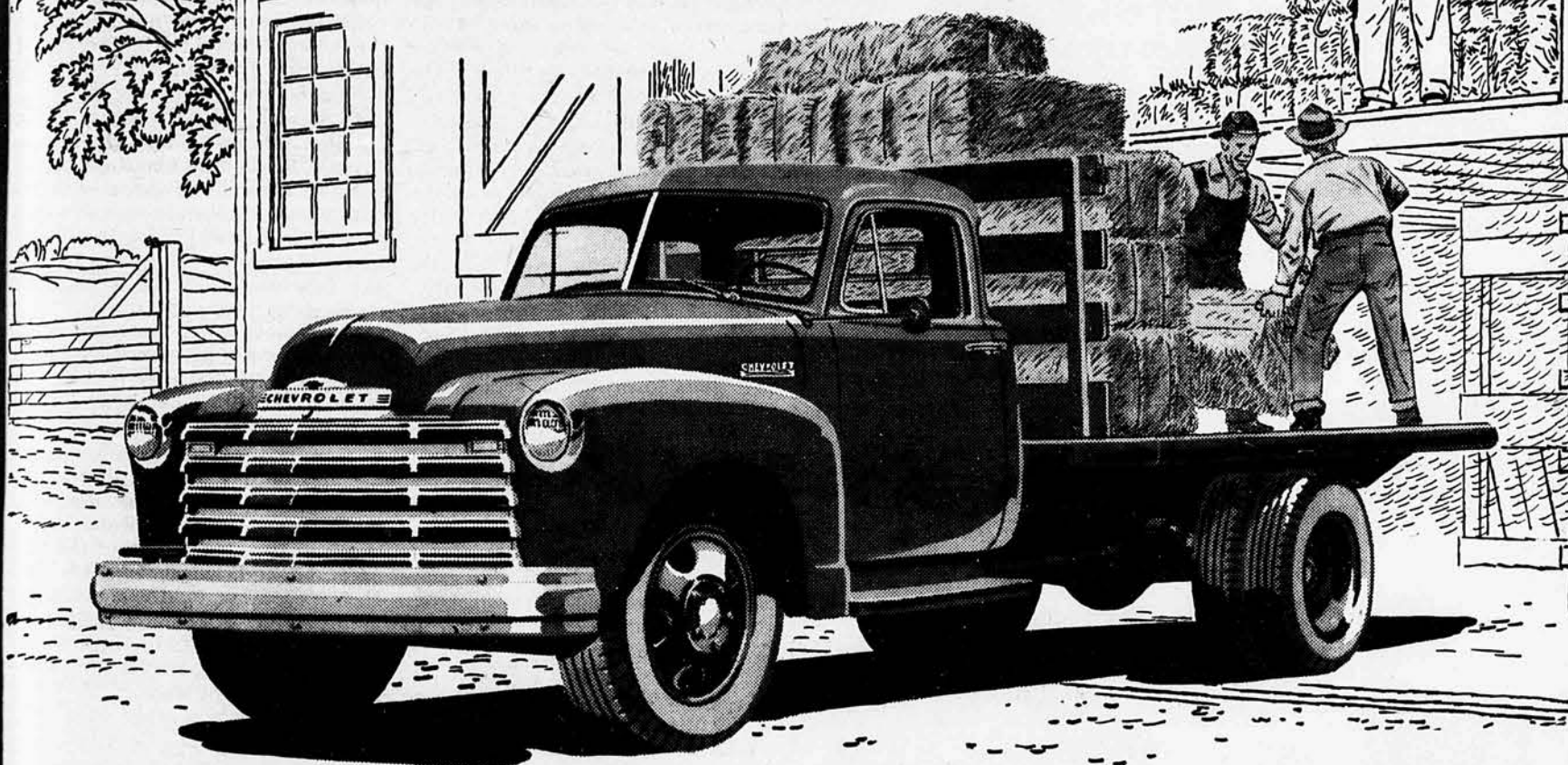
Undoubtedly communities will find different means and methods of maintaining and building soil fertility. However, for this community, they choose to use grass, and in order to develop and maintain a heavy, luxuriant growth of grass they make good use of all available barnyard manure and use large quantities of commercial fertilizer. Indeed, the secret of their success with grass, outside of the fact they have an average rainfall of 40 inches and a moderately warm climate, is in using heavy applications of both grass seed and fertilizer. Livestock, of course, plays a large part in harvesting the grass. When you consider they are producing a year's supply of roughage on one acre for 3 to 4 head of livestock, you begin to realize the tremendous amount of food nutrients one acre of grass can produce.

### Have a Question?

Do you have a behavior problem among your children? If so, we will welcome your question. All questions are turned over to our writer, Mrs. Marion Quinlan Davis, who has had many years experience in this field of child care and training. Send your questions to the Women's Editor, *Kansas Farmer*, Topeka.



# Buy on these PLAIN HARD FACTS!



(Continuation of standard equipment and trim illustrated is dependent on availability of material.)

## See for yourself how a Chevrolet truck can cut your costs in every way

America's truck users buy on down-to-earth facts, not fancy phrases. They demand results on the job.

That's why more of them buy Chevrolet trucks than any other make . . . and that's been true for ten straight truck-production years!

What they get for their money is a rugged, sturdy, dependable truck that's factory-matched to their job and payload: Right power, right capacity, right price.

Go to your Chevrolet dealer and find out how a Chevrolet truck can cut your farm hauling or delivery costs. Chevrolet Division of General Motors, Detroit 2, Michigan.



### Fact No. 1

#### Costs less to buy

List prices of Chevrolet trucks are lower than comparable models of other makes. As the world's largest manufacturer of trucks, Chevrolet takes advantage of production economies to *pass substantial savings on to you!* Your cash outlay is *lower*.

### Fact No. 2

#### Saves money on the job

Chevrolet trucks save you money over the miles with great features. Valve-in-Head economy, 4-Way Engine Lubrication, rugged Hypoid rear-axle, extra-sturdy channel-type frame, Synchro-Mesh Transmission and plenty of others.

### Fact No. 3

#### Right truck for every load

Your first interest in a truck is: "How well will it do the job?" That's where Chevrolet trucks have it, because they're factory-matched to the payload—tires, axles, frame, springs, engine, transmission, brakes. You get as much truck as your job calls for.

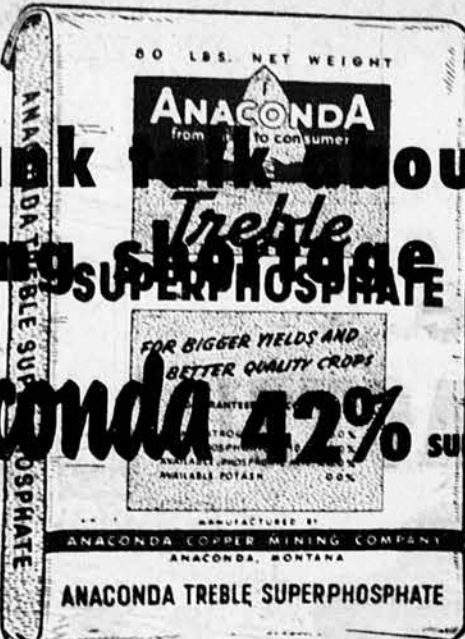
### Fact No. 4

#### Keeps its value longer

It's a fact. Chevrolet trucks keep their value longer to bring you traditionally higher value. That means real, substantial dollar-and-cents savings at trade-in time. And it puts a clincher on the extra value and ruggedness built into every Chevrolet truck.



**A frank talk about the coming shortage of**



**Anaconda 42% TREBLE SUPERPHOSPHATE**

### ...and some ways you may solve your own fertilizer problem

If you have heretofore figured you *must* apply fertilizer at the start of the season—this may be the year to try—thru sheer necessity—the benefits of later application. The early season need for treble superphosphate will take up all that's been made and stored. You may not get all you need at the start—so plan to take some of your requirements later for crops which can handle their plant food then!

### HERE ARE SOME OF THE CROPS WHICH CAN BENEFIT FROM LATER APPLICATION:



**Alfalfa:** A heavy plant food eater like alfalfa takes a lot of phosphate from the soil to make that first cutting. Top dress right after the first cutting—or even after second cutting. Results will show up in following cuttings.



**Sugar Beets:** Anaconda Treble Superphosphate has been applied as side dressing when blocking and thinning is done and results have been excellent.



**Potatoes:** With the rapid multiplication of leaf area of potato plants and the heavy draw this produces on the root system—side dressing when cultivating is an efficient way to get Treble Superphosphate into the soil when the roots need it most.



**Note:** In areas where corn is grown side dressing with 0-42-0 when cultivating will do about as well as putting it in off the planter.

**Pasture:** When tame pasture or native meadow has been grazed and the stock has been transferred elsewhere try top dressing after dew is off. If nitrogen is needed try a heavier application of 10-20-0 than when using 0-42-0.

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32 pages—full of pictures! Facts about every crop you grow! Write for your copy to the P.O. box below.

Make him your "partner" this year. Tell him what you need, what crops you're planting; let him help you work out a delivery schedule for you. But see him while he still has a chance to help you!

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## Thoughts TO LIVE BY

### "A Sense of Wonder"

IT IS NEARLY TIME to go to the mountains. How welcome the cool breezes from the peaks will be! The swift streams and the beaver ponds are an inviting challenge. The trout dare us to catch them; they also give us enough exercise to put us in good physical condition. But like many other people, I find still another reason for anticipating my vacation in the mountains. From time to time, my sense of wonder needs to be renewed. As I look at the massive rocks, the lofty peaks, and the distant valleys, awe possesses my soul. The mountains have their own majesty and grandeur. Worship seems so natural in their presence. A similar mood must have fallen upon the Psalmist, for he wrote: "I will lift up mine eyes unto the hills, from whence cometh my help," and again, "As the mountains are round about Jerusalem, so the Lord is round about his people from henceforth even forever."

We live in a world that is so wonderful we become inured to its marvels, and the sense of wonder escapes us. If the stars shone but one night in a decade, people would look forward to that night for months. If there were only one television set, one radio, one telephone, one automobile, and one electric sweeper or refrigerator in our community, people would look upon them with awe. But these things are plentiful and so they become common. They no longer fill us with awe.

If the sense of wonder disappears, life becomes flat, monotonous, and insipid. We become bored. Even if I must go out of my way to recapture the sense of wonder, I'll gladly go. Life can be zestful, fresh, and significant, if we work to make it so.

Have you noticed the exclamation mark is disappearing from our literature? One reason may be there are no exclamation marks on our modern typewriters. One must do the difficult trick of hitting the period, and the apostrophe. It is easier to omit the exclamation mark or to use something else. The reason exclamation marks do not appear on typewriters is that the builders don't think they are wanted. People are losing their sense of wonder.

It was not so with some of the Biblical writers. While David was in exile, he thought about the tabernacle back home and about the fortunate people who could visit it whenever they desired. There is emotion in his utterance: "How amiable are thy tabernacles, O Lord!" That is an exclamation and it must have the appropriate mark to express the mood of the Psalmist. John said, "Behold, what manner of love the Father hath bestowed upon us." Why the *behold*? The sentence would be complete without it. John used it because he had a sense of wonder. God's great love for us filled him with ecstasy. And Paul said, "O the depth of the riches both of the wisdom and knowledge of God!" Why the *O*? Because Paul was moved by the discovery that God's judgments are unsearchable and his ways past finding out. These men had a refreshing sense of wonder.

One can't get a sense of wonder from someone else. He must hone the edge of his sensitivity until he experiences it for himself. So I am going to the mountains. Perhaps we shall meet there.

—Larry Schwarz



## Vocational Agriculture

By HELEN ANKENY



KANSAS FUTURE FARMERS and Vocational Agriculture instructors from over the state will co-operate with members of the steering committee for the Smith County "Balanced Farming Day" program, WIBW, and state farm agencies in modernizing and rebuilding the 240-acre farm near Lebanon, planned for August 7.

Wamego Future Farmers expressed appreciation for the fine work of their former Vocational Agriculture instructor, E. E. Stockebrand, by presenting him with a gold wrist watch at their recent parent-son banquet. Stockebrand, who taught several years at Wamego, resigned to go with the State Farm Bureau, where he is serving as commodity and livestock marketing director. James Shea, formerly of Quinter, finished Mr. Stockebrand's year at Wamego for him. Chris Langvardt, Vocational Agriculture instructor for the last 6 years at Dodge City, will be instructor at Wamego next year. Langvardt accepted the Wamego job to be near his farming interests in the Alta Vista area in Southwestern Wabauisee county.

ture did not end May 19 when school closed at Sedan. Instead, Sedan Future Farmers intend to make it a year-around course. In addition to keeping records, managing their farming programs, and developing farming skills, the boys and their instructor, Harold Blackwell, took an educational trip which not only provided a vacation, but strengthened their summer program as well. First night out they stopped in Dodge City. Second day they traveled along the Arkansas river in Colorado and visited some of the best irrigated farms around Rocky Ford; saw Royal Gorge, and drove thru the old gold mine district of Cripple Creek, and the petrified forest. They were guests of the Colorado Cattle-men's Association for a 4-hour tour of purebred and commercial cattle ranches. Stopped in Denver for a visit to museums, Capitol buildings, stockyards, and Franklin Serum Company. Then 2 days in the Rocky Mountain National Park and on to Cheyenne to visit the Wyoming Hereford Ranch, one of the best purebred Hereford ranches in America. They returned home across Southern Nebraska, and down to Manhattan for a visit at Kansas State College.

(Continued on Page 17)



Inman Future Farmers and their adviser, Donald Kimble, have planted 300 trees on the new land recently purchased by the Inman high school. The trees are Chinese Elm, Silver Leaf Maple, and cedars.

The 26 Future Farmers at McDonald have a net worth of \$26,422.13 this year and are farming 320 acres, according to their record books for a composite farm. This is an increase of \$8,285.64 over the composite farm of last year. The 26 boys have an average net worth of \$1,017.35. The 5 senior boys have the greatest average per boy, with \$2,232.90 each. Their class has a net worth of \$11,164.47.

The total capital of \$26,422.13 is invested, according to Vocational Agriculture Instructor Samuel Stenzel, in 99 head of livestock including 14 dairy and 61 beef cattle, 17 swine, 7 sheep, and 25 chickens. They produced 17,188 pounds of meat the past year, including beef, pork, and mutton; 10,345 pounds beef; 6,530 pounds pork; and 313 pounds mutton. The 320 acres being farmed include: 65 acres of sorghum, 155 acres of wheat, and 100 acres of summer fallow ground.

Painting the entire interior of Hanover hospital was a community project undertaken and completed recently by the Hanover Future Farmers. Thirty young farm lads participated in the job under direction of their Vocational Agriculture instructor and FFA adviser, Alvin Lampe. The boys received no pay, saying the satisfaction of doing something useful and of serving their home community was pay enough. Paint for the work was supplied by the Hanover Hospital District.

According to a newspaper report, young James Dawson, Manhattan Future Farmer, has just completed a 4-wheeled trailer, which "many a master mechanic will eye with envy. James' idea of using old knee-action wheel assemblies will allow 90-degree turns on the front wheel." The trailer is just one of the many pieces of farm equipment built during the past year in the farm shop of the Vocational Agriculture department at Manhattan. Instructor and FFA adviser, J. W. Taylor, reports the boys often come up with some ideas that have patent possibilities just about the time when he thinks he has seen everything in youthful originality. The 41 Manhattan Future Farmers have a total net worth of \$58,634.51 or \$1,430.11 average net worth per boy.

A scrap drive carried on by Trousdale Future Farmers netted \$323 for the 42,000 pounds of scrap they recently collected. As a community service, these boys and their FFA adviser, James Grider, sponsored a clean-up for the community. Two boys were sent to each home in the community to clean up around the homestead. An hour and a half was spent at each one and the work required just one day of school time. Another fine community service.

Eureka Future Farmers have completed building and installing a new flag pole in Eureka high school yard. The pole replaces one which was on the high school roof and required a trip thru the attic and onto the roof when the flag was to be raised or lowered. They have also constructed a cement walk from the building to the pole. Harry Coffel, FFA adviser, supervised.

#### Protect Your Home

Is your home fireproof? Vermiculite, produced by the Zonolite Company, is a mineral that is fireproof, makes a good insulating material. To learn more about it, write us for a copy of "Your Home—Its Comfort and Its Protection." No charge. Address Farm Service Editor, Kansas Farmer, Topeka.

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## What Other States Are Doing to Eliminate Brucellosis Disease

By DICK MANN

*Editor's Note: This is the fourth in a series of educational articles on what other states are doing to try to eradicate brucellosis (Bang's disease). This one is on Michigan and reviews progress made on a test and slaughter program, as reported in Michigan Farmer magazine, a Capper Publication.*

MICHIGAN IS ONE of the pioneers in the battle against Bang's disease, says *Michigan Farmer*. That state had a control program on a local basis in the 1920's. A strict federal-state program of testing and slaughtering has been in operation in 42 counties of Northern Michigan and the upper peninsula since 1937.

Thirty-seven counties in the northern area now are recognized as brucellosis "accredited" counties. An accredited county has Bang's infection present in less than 5 per cent of its dairy herds, and in less than one per cent of its individual animals.

In the 42 northern counties, says *Michigan Farmer*, all cattle have been blood-tested for brucellosis at about 3-year intervals since the program began in the 1937 to 1941 period.

Most recent tests show the number of infected herds in the area has been reduced from 7.4 per cent to 3.2 per cent thru testing and immediate slaughter. Actual number of infected cattle has been reduced from 2.9 per cent to 0.9 per cent—a 69 per cent reduction.

#### Many Have Done Better

Many counties, however, says the report, have done much better. One county reduced the number of infected cattle by 82.6 per cent, another by 79.2 per cent and a third by 89.9 per cent. Latest tests in 3 counties show no brucellosis.

The test and slaughter program is said by the magazine to be the most aggressive and most effective weapon now in use for wiping out brucellosis.

In those Michigan counties operating under this program, federal and state indemnities are paid if reactor cattle are sold for slaughter within 15 days. More than half of the farmers who had infected cattle in that area in 1937-41, when the program was started, sold animals immediately.

Herds in which reactor cattle are found are retested at intervals of 30 to 60 days until 2 negative tests, followed by a third negative test 6 months later, have been made. The herd is retested only when suspect cattle are found.

Fourteen counties in Michigan are operating under a program of deferred slaughter and vaccination of calves. Cattle owners in those counties are required to have their cattle tested. Under the deferred-slaughter program the farmer with an infected herd may enter into an agreement to have his calves vaccinated at state expense.

Herds will be retested only when all reactor animals in the herd are disposed of within 6 months. This is the requirement for calfhood vaccination at state expense in deferred-slaughter areas. Retesting will be done until 3

consecutive negative tests are obtained.

No indemnities are paid farmers under this deferred slaughter program. Purpose of keeping reactor cattle for a short time, it is explained, is to avoid bringing mature negative cattle replacements into surroundings where the hazard of infection is certain.

Calfhood vaccination is designed to grow vaccinated animals on contaminated premises. Vaccination by itself, the report explains, cannot be expected to control the disease. It must be accompanied by other control measures.

Many counties in Southern Michigan have not been operating under the state program. All have now voted to come in, and work on eradication is to start in 4 additional counties at an early date, it is reported.

Only one county in Michigan is using the ring test, but the program there is said to be showing much promise.

Blood testing in Michigan is done in a regional laboratory and in 4 mobile labs thruout the 57 counties, in both the immediate-slaughter and deferred-slaughter areas. Like Wisconsin, the state is divided into districts, with a federal or state veterinarian in charge of each district. Local veterinarians are employed for service at state expense under a district veterinarian.

Since it is claimed by livestock sanitarians that 80 per cent of all cases of brucellosis result in movement of infected cattle into clean herds, Michigan has taken strong measures to govern the sale of cattle.

#### Now It's a Law

It now is a state law in Michigan that no cattle more than 12 months old can be sold or disposed of (except for immediate slaughter) unless accompanied by a certificate of record issued by the state director of agriculture.

This certificate can be issued only under one of the following conditions:

1. If the animals have been found Bang's negative within 30 days before sale.
2. If the animals come directly from a herd in which all animals over 12 months old have been tested and found negative within 90 days.
3. If they have been vaccinated when 4 to 8 months old by an approved veterinarian with an approved vaccine. The vaccination must be recorded with the State Department of Agriculture and vaccination must have been within a year before sale.
4. If the animals come directly from a modified accredited Bang's herd.
5. If they come directly from herds not under quarantine in modified Bang's disease accredited counties.

#### Air-Map Kansas Farms

Kansas farms are being airplane mapped, with work this summer being continued in 11 additional western counties.

State PMA office announces coverage of these counties will be made: Greeley, Finney, Gove, Lane, Gray, Hamilton, Kearny, Ness, Trego, Scott, and Wichita. Pictures will be for sale at county USDA offices when project is completed.

#### WHAT ABOUT BRUCELLOSIS?

A new booklet entitled "What Is Known About Brucellosis" is now available, issued by The National Committee on Brucellosis.

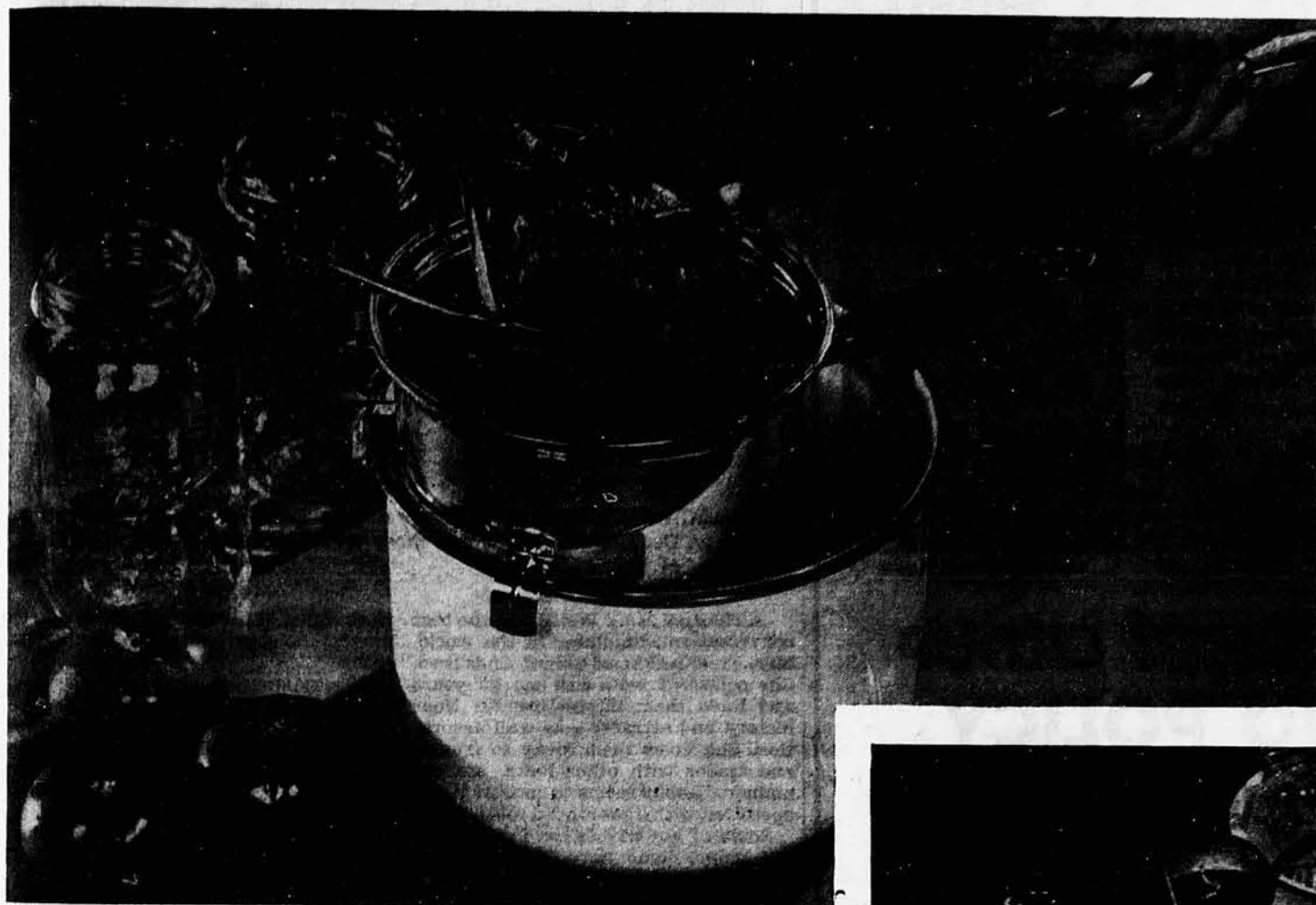
This booklet contains chapters on species of animals infected, importance of the disease, public health aspects, distribution of the disease, how the disease organisms enter the animal's body, channels of elimination from the body, resistance of the germs outside the animal's body, natural course of the disease, symptoms, method of spread, vaccination, control and eradication.

You can get a copy by sending 25 cents to Service Editor, *Kansas Farmer*, Topeka, and asking for "What Is Known About Brucellosis."



# Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



Photos courtesy  
Ball Brothers Company

**COOKED TOMATOES** go into food mill to remove skins and seeds. Then add salt and reheat to simmering temperature.

## TOMATOES

... for juice, puree, dressing, sauce, aspic and soup

IT'S time to line up those tomato-filled jars on the basement shelves. Time now in the kitchen and there will be tomatoes a'plenty to last until the next season. A food mill or good sieve will speed the job of making tomato juice and tomato puree.

### Tomato Juice

Use firm, red-ripe freshly picked tomatoes. Discard any that are bruised or specked with decay. Wash carefully and cut out cores. Leave tomatoes whole and bake in oven or cut into small pieces and cook on top the stove until soft. Press hot tomatoes thru a fine sieve or food mill. Add salt to taste. Reheat to simmering temperature (no hotter) and pour into hot jars. Process in the boiling-water bath for 15 minutes.

### Tomato Puree

Wash ripe tomatoes, remove bad spots and stem ends and cut in quarters. Cook, bringing just to the boiling point. Strain thru food mill or sieve. Boil to one half original volume. Add 1 teaspoon salt for each quart of juice, heat quickly to simmering point (no hotter). Fill hot jars or bottles to within one-fourth inch of top. Adjust lids and seal. Place in boiling-water bath deep enough to cover tops of jars and process 15 minutes.

A seasoned puree is made by simmering 4 quarts of ripe tomatoes until soft. Press thru fine sieve or food mill and cook until thick. Chop 6 onions, 3 carrots, 3 sweet peppers, 2 cups celery, add salt and pepper to taste, cover with boiling water and cook until soft. Press thru sieve and add to tomato pulp. Reheat and pour into hot jars and process 45 minutes in boiling-water bath.

### Tomato French Dressing

½ cup tomato puree	¼ cup sugar
½ cup vinegar	1 tablespoon grated onion
¼ teaspoon salt	½ teaspoon mustard
¼ teaspoon paprika	1 cup salad oil
¼ teaspoon pepper	1 tablespoon Worcestershire sauce

Combine all ingredients and mix thoroughly. Makes 1 pint of dressing for vegetable salads.

### Tomato Sauce

¼ cup chopped onion	2 cups tomato puree
1 clove garlic, sliced (if desired)	dash of cayenne
½ cup chopped green pepper	1 tablespoon Worcestershire sauce
¼ cup shortening	¼ teaspoon celery salt
1 cup water	2 tablespoons sugar
	½ teaspoon salt

Fry onion, garlic and green pepper in shortening until lightly browned. Add remaining in-

**POUR HOT** tomato juice into hot jars. Then they go into the boiling-water bath to be processed 15 minutes.

gredients and cook gently 1 hour. Put thru sieve or food mill and reheat before serving. Makes about 2 cups sauce. May be served on hamburgers, meat loaf, cooked vegetables, rice, or as sauce for spaghetti and meat balls.

### Tomato Aspic

1 tablespoon plain gelatin	2 tablespoons lemon juice
½ cup water	1 teaspoon grated onion
1 ½ cups tomato puree	dash of pepper
¼ teaspoon salt	

Soften gelatin in ½ cup water. Heat remainder of water to boiling. Remove from heat, add gelatin and stir until dissolved. Add remaining ingredients, mix well and chill until thickened.

### Tomato Pea Soup

½ pound dried split peas	2 teaspoons salt
5 cups water	½ teaspoon pepper
1 onion, sliced	1 cup tomato puree
¼ cup celery leaves	1 tablespoon flour
	1 tablespoon butter

Soak peas in water overnight. Drain and add 5 cups water, onion, celery leaves, salt and pepper. Cook until peas are tender, about 50 minutes or in pressure cooker at 10 pounds pressure for 15 minutes. Put thru sieve or food mill. Add tomato puree. Blend flour and butter, add and cook 3 minutes, stirring constantly.





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## Trivets Are Her Hobby



COLLECTING TRIVETS is the hobby of Mrs. Fred Gerkin, of Crawford county. Designs shown include those with and without handles in a variety of shapes.

A HOBBY MAY WELL BE the best conversation stimulator in the world. Mrs. Fred Gerkin, of Girard finds it so. She collects trivets and has for years and finds them interesting for their history and attractive as wall decoration. She gives them away to friends and trades with other folks. A well-managed hobby seems to encourage co-operation with like-minded folks.

Some of her trivets have real financial value, some have historical significance, some have handles, some are square, some round, some have short legs, some long. Perhaps it's the variety that makes trivets so interesting and attractive.

Mrs. Gerkin, who at the moment has about 55, thinks her Civil War or military trivet has the most financial worth. Perhaps next in order come the Maltese Cross and Crown, Star and Sun, Open Tulip, Peacock, Rail Fence, Horse Shoe, Cathedral, Double Heart and Feather. All these look like their names. Her trivets that look like lace for instance are called Lace. The one called Sunburst looks like that. And the Family Tree resembles just what we visualized a family tree to be. One has hunters molded in the center design.

Some few of her trivets have initials on them, molded there by the maker. Mrs. Gerkin says, "I don't know whether they were tailor-made for special people or whether they are initials of the makers." One of her interesting trivets is designed with the initials OBER, another with OFB.

Mrs. Gerkin adds that collectors who are seriously interested in collecting valuable trivets go in for those with handles and long legs and those that are square. Ones that commemorate some historical event in American history are first choices as well. Real collectors' items were made before 1870.

Some of her trivets were sent to her from far-away places, from friends in Washington, California, New Mexico, North Carolina as well as many Mid-

west states. She has given many away, mostly those of which she had duplicates.

A very great deal of thought was given to making trivets not only beautiful but symbolic, despite the fact they originally were only for a utilitarian purpose. Very early trivets were large and used for cooking stands for the fireplace to hold the iron cooking kettles. Later in the 18th century smaller trivets were made with shorter legs and more decorative tops for keeping the teakettle warm on the hearth. The most common ones were used by our mothers and grandmothers to set the iron on at the ironing board.

An interesting sidelight on the matter of trivets is that one sees miniatures. They were bought as gifts for little girls together with tiny sad irons to set on them. Mrs. Gerkin has several of these interesting miniatures.

For a golden wedding gift a very dear friend gave her a box of hand-embroidered towels . . . embroidered just for Mrs. Gerkin and no one else. The designs . . . yes, lacy trivets outlined with embroidery thread.

Mrs. Gerkin recommends them for wall decoration; for the dining table where the coffee pot or tea pot may be placed for easy service; for use under vases and house plants. To her it has been a great hobby, each new find a source of pleasure and conversation and something to give to a good friend when the right time comes.

### Slumber Party Ideas

There are 8 fun-provoking ideas for a hilarious good time in our leaflet, "A Slumber Party." We can send you a copy promptly upon request and 3c for postage. Write to Entertainment Editor, Kansas Farmer, Topeka.



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Drive—Auto Type Drives From Both Wheels.  
Tires—400x8 Pneumatic. Self Propelled.

The F & H heavy duty 24" self-propelled rotary type lawn mower cuts fine grass or large weeds. Powered by a Briggs & Stratton 3 H.P. air-cooled engine. V-belt and roller chain drive. Timken bearing spindle. Electric welded steel frame. No castings to break. Auto type differential, pulls from both wheels. Fool proof V-belt clutch. All bearings and gears are unconditionally guaranteed for one year. Drive wheel 12"x3.00 semi-pneumatic puncture proof. Front wheel 10"x2.00. Two blades with each machine. Only one nut to remove to change blades. Satisfaction guaranteed.

**Foushee & Heckendorn**  
Cedar Point, Kans.

## THE POET'S CORNER



Young Johnny is Jack of all trades  
He rates King of Hearts with the maids;  
He can trump every card,  
For his work in the yard  
Proves that Johnny's a real Ace of Spades.

—By Margaret Whittemore.

### Millinery Secret

He never complimented me  
On anything I wore;  
No interest in my hats he showed—  
At anytime before.

Then once I pleated ribbon  
Around a piece of felt...  
Atop the frilly crown  
A bunch of flowers dwelt.

I wore it o'er one eyebrow...  
It really looked quite nifty,  
He said he liked it very well,  
And I felt I'd been thrifty.

So why buy high-priced hats  
When they don't catch his eye?  
I make my own with pleasure  
And therewith please the guy!

—By Kay Penner.

### She's Growing Up

She used to play with teddy-bears,  
She owned some three or four;  
But now her fancy turns to wolves,  
Who whistle at her door.

—By Juanita Jackson.

### Certain Consolation

If troubles overtake you,  
And tries your heart to break,  
Just step into your kitchen  
And bake a "picture" cake!

If worries would submerge you,  
Just give yourself a shake,  
And bury them forever  
In an applesauce cake.

It really doesn't matter,  
What recipe you try,  
The family will prefer it  
To a good old-fashioned cry!

—By Ruth Blackwell.

### In The Kitchen

I'm in love with kitchen gadgets  
Wooden spoons with handles long,  
Pastry blenders, carrot graters  
Spatulas and kitchen tongs.

Radish curlers, garlic crushers  
Serrated knives that peel and slice,  
Cookie cutters, fruit juice reamers,  
Trick can openers... all are nice!

—By Mary Holman Grimes.

## News to You?

ONCE upon a time Extension clubs were known as "those women who get together to cook and sew feed sacks." Today their influence goes far beyond the borders of their homes and states. Thru their organizations across the country and the world they speak for rural women everywhere.

To keep track of the dozens of packages in her home food freezer, one homemaker cataloged her entire stock of frozen foods on 3- by 5-inch cards in a recipe file box. A quick glance at the file card tells her immediately how much of each food she has on hand and its location.

Late experiments indicate calcium is even more important in the daily diet of middle age and older persons than was thought formerly. A pint of milk each day is desirable, more is better.

Here's a recipe for frosted punch to serve 8 or 10 on a hot summer evening. It calls for 1 cup orange juice, ½ cup lime juice, ¼ cup lemon juice, 1 cup pineapple juice, ⅔ cup sugar, 6 to 8 cups ice water and 1 pint of vanilla ice cream. Have all ingredients ice cold. Combine all but ice cream and stir until sugar dissolves. Then stir in the ice cream and serve immediately.

When you store fresh strawberries in your refrigerator, don't forget to spread them out in a large-bottomed

pan. This is especially advisable for fully-ripe fruit, strawberries as well as other delicate berries. They need air and plenty of it to keep well.

Fish is best when cooked from the frozen state. Do not thaw, cook like unfrozen fish, but allow a little extra time.

It takes just a few extra steps to keep lettuce cups crisp and fresh. Invert the washed and separated leaves on a pan or tray to drain off the excess water. Then cover with a damp cloth and place in the refrigerator.

A dark room is to be strictly avoided when viewing television. A partly lighted room is easier on the eyes. Children should be encouraged to sit at least 4 feet away from the screen and adults about 8 to 12 feet.

### For the 25th or 50th

Our leaflet, "Golden and Silver Wedding Anniversaries," will help you if you are planning a wedding anniversary. A reception menu is suggested as well as decorations, entertainment and favors. For a copy of the leaflet, please address the Entertainment Editor, *Kansas Farmer*, Topeka, and enclose 3c.

## It's Walking, Not the Work

It's not so much the work as the walking that wears you out on house-cleaning jobs. Running back and forth for utensils and supplies adds weary mileage and minutes. There's one cure. Assemble all supplies on a cart, a wheeled tray or in a basket. Store it in the workroom when not in use.

## Pattern Booklet

It isn't too late to send for your copy of the "1952 Pattern Service" booklet which has ideas for women's and children's clothes and household accessories made from figured cotton bags. Send for your free copy to Home Service Editor, *Kansas Farmer*, Topeka.



"I'm jumping right  
to Kansas City  
for a good rest  
over the week-end  
at the Phillips!"

**20 STORIES OF COMFORT**  
3-52 Rates from \$4.50

## YOUR NAME, ETC.

## Rustproof Aluminum Mailbox Nameplate

• **Permanent Raised Letters**  
Your name on a Pikes Peak Nameplate is permanent—raised in solid metal like the words U.S. MAIL on your mailbox—can't come off or be weathered away—can't peel or flake off.

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Good for a lifetime of beauty because it is made of aluminum—can't ever rust, never gets shabby-looking. Graceful proportions—24" x 18".

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Raised lettering on both sides; letters 1½" high.

Any Wordings You Want, up to 15 letters and numbers (both sides the same). **\$1.00** WE PAY POSTAGE IF YOU SEND \$1.00. SATISFACTION GUARANTEED OR MONEY BACK. C.O.D. if you wish. EASY TO INSTALL—FITS ANY MAILBOX. YOUR NAMEPLATE SHIPPED SAME DAY ORDER IS RECEIVED. (see postage added)

**Pikes Peak Nameplates**  
257E Pike Bldg., Colorado Springs, Colo.

## Housework Easy Without Nagging Backache

Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages. Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!



# GOOD FARMERS



HAVE A  
**ROOF**  
WEED CUTTER  
TOO!

This **FENCE-ROW** Cutter  
Cuts Right Up to Obstacles . . .  
for Neater, Cleaner Farming

● Essential as your major implements, this original "Fence-Row" Weed Cutter mows everything from lawns to the toughest stands of bluegrass and light brush—effortlessly! Sweeps clean and close, within 1/4" of fence rows, buildings. Powerful 3 HP motor, optional forward drive. For neater farming, see your dealer, or write

**Roof Welding Works** PONTIAC 6, ILLINOIS

## RANCHERS-FARMERS "WEED KUTTER" ELECTRIC FENCERS



FAMOUS HOL-DEM FENCERS are guaranteed to hold all your stock, even on ground. Hol-DEM delivers the wallop in all and weather conditions—controls stock year 'round on thousands of farms. "Weed Cutter" feature eliminates shorts on fence!  
5 YEAR GUARANTEE!  
Satisfaction or your money back. Write for FREE folder with prices on Hi-line and operated units. Save money, work and six models to choose from . . . order today!

**HOL-DEM FENCER CO.**  
311 E. LINCOLN STREET  
WICHITA, KANSAS  
Dealers Wanted

## STOP KILLING YOURSELF!



Get a **Dumpit** HOIST  
to unload your truck!

Say good-bye to tedious hand shovelling . . . unload crops, feed, etc., faster, easier with a modern DUMP IT hydraulic body hoist. 4 farm-proved models with improved features, for all platform trucks 1 ton and larger.

MAIL FOR COMPLETE FACTS!

**St. Paul**

**HYDRAULIC HOIST**  
Customer Service Dept.  
36113 Main Street, Wayne, Mich.

☐ Send details on Dump It Hoist

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

*Dumpit* for extra profits!

## Betty Frakes Wins Scholarship



Betty Frakes, of Valley Falls, Jefferson county, has been awarded a \$200 scholarship by Kroeger for 4-H and scholastic work. She will use the award for study of home economics at Kansas State College. She has been a club member 6 years and completed 46 projects with a net income of \$1,050. In addition to the home economics project she has carried dairy and poultry work. The income from these projects will finance her college work. While there she will take the course which will fit her to be a home demonstration agent.

## Games and Stunts

Need some games for the picnic season? Let us send you our leaflet, "Games for Outdoors." It contains 21 games with instructions besides some stunt contest suggestions. Write for a copy of leaflet to Entertainment Editor, *Kansas Farmer*, Topeka, and enclose 3c postage.

## Embroidery With Ruffles



831

Three pretty ways to decorate scarfs, towels and pillowcases. Easy embroidery; add ready-made eyelet ruffling. Nice for the bride's trousseau. Pattern 831 includes transfers of 6 motifs 3 by 12 1/2 to 4 1/2 by 13 inches.

Pattern 25 cents. Address Needlework Editor, *Kansas Farmer*, Topeka.

# Extra Protection



You Get Extra Protection  
WITH CHAMPLIN HI-V-I MOTOR OIL

HI-V-I is refined with extra protection in mind! Modern engines demand more than lubrication from an oil . . . and they get it with Champlin HI-V-I! HI-V-I flows freely and instantly for fully protected starts . . . resists oxidation for full protection at high speeds! HI-V-I lubricates engines, so they don't become worn by corrosion or friction and they stay clean!

Extra protection is yours for the asking, in Champlin HI-V-I motor oil. Ask for it!

a product of  
**CHAMPLIN REFINING CO.**  
ENID, OKLAHOMA



GET  
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PROTECTION  
IN YOUR BARN, TOO!

For the control of flies, lice, ticks, etc., on cattle, hogs, sheep, horses and other livestock, use Champlin Cattle and Barn Spray for positive, quick results.

OTHER CHAMPLIN AGRICULTURAL CHEMICALS  
• Champlin DAIRY SPRAY  
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Ask for these by name!



## AG School Tests Prove

Direct Drive Ni-Resist  
Nylon Roller  
Tractor or Engine Driven

**HANSON PUMP**  
THE BEST

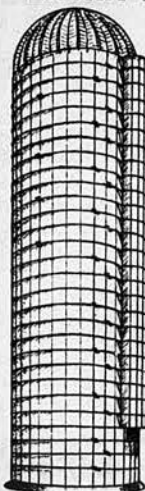
In Ag School tests the Ni-Resist nylon roller pump has operated efficiently ten times as long as gear driven pumps.

Pressures up to 350 pounds  
Gallonages up to 15 per minute

Write for free literature

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Manufactured by our NEW METHOD for GREATER STRENGTH — BEAUTY — DURABILITY.

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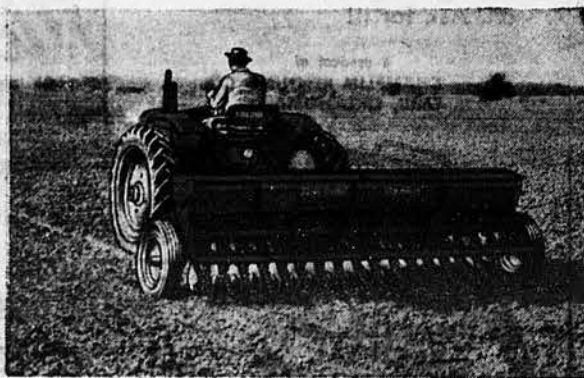


## Plant Right in Every Soil Condition with a John Deere-Van Brunt Drill

**T**HERE are many factors that must be just right to assure an accurate job of planting—soil conditions must be right, the feeding must be uniform and in the right quantity, depth of planting must be correct and even, and the right furrow openers must be used to suit the soil and the crop.

Farmers everywhere have found all these advantages are theirs when they plant with a John Deere-Van Brunt Grain Drill. A John Deere-Van Brunt works at high speeds—you have a better chance to complete the job when soil conditions are best. Accurate feeds measure out seed in just the right quantity. Spring pressure on furrow openers maintains even planting depth. And you can choose the drill and furrow openers to best suit your planting plans.

**Top Photo:** A dual hookup of Model "RB" Plain Grain Drills. The Model "RB" is equipped with accurate double-run feeds. Gang press wheels, grass seed and fertilizer attachments are available as extra equipment. **Right:** The Model "FB" Fertilizer-Grain Drill. Equipping the "FB" with grass seed attachment outfits it for seeding, sowing grass seed, and fertilizing in one fast operation.



**Left:** The John Deere-Van Brunt Model "B" Plain Grain Drill. Equipped with the famous John Deere-Van Brunt Adjustable Gate Fluted Force Feeds, the Model "B" drills all seed accurately, and without waste or damage. All these John Deere-Van Brunt Grain Drills can be equipped from a wide choice of furrow openers to fit your particular planting needs. Let your John Deere dealer help you choose the right drill for your farm, or mail the coupon below for free folders.



Send for Free folder today!  
John Deere, Moline, Ill. Dept. K-11  
Please send me free folder on the Drill checked below:

☐ Model "RB"  
Double-Run  
Grain Drill  
☐ Model "FB"  
Fertilizer-Grain  
Drill  
☐ Model "B"  
Fluted-Feed  
Grain Drill

Name \_\_\_\_\_

R.R. \_\_\_\_\_

Town \_\_\_\_\_

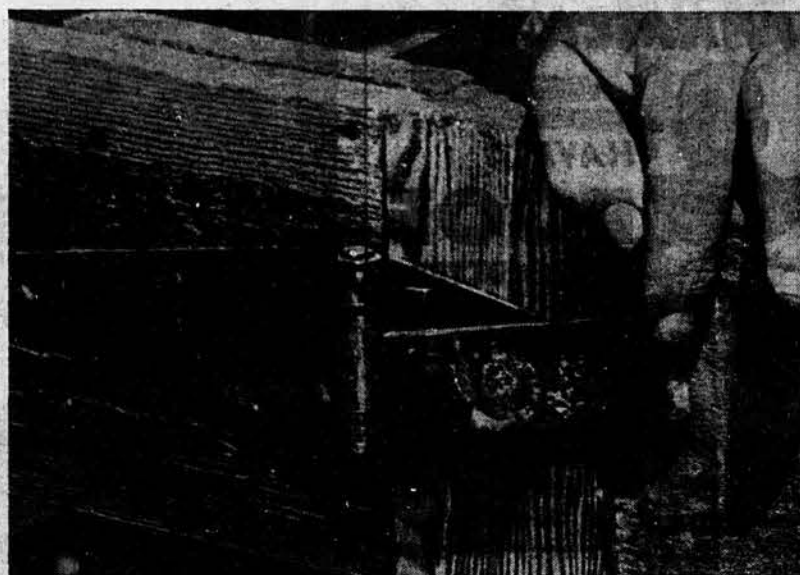
Box No. \_\_\_\_\_

State \_\_\_\_\_



## Fit for Man and Beast

(Continued from Page 1)



**ALL GATES** and swinging pen sections on Booz farm are fastened with this easy-to-make and easy-to-use latch. Latch locks when back end of metal bar strikes hinge joint.

"With farrowing stalls boxed in, brooder heat lamps actually warm the entire stall," says Carol, "making a comfortable temperature for sow as well as for pigs."

In the back wall of each stall is a small covered hole that can be opened to allow pigs to enter the service alley. They go down this alley to a creep-feed room at one end of the house.

Doors leading from farrowing stalls to outside pens are heavy and slide up and down in a groove. They also are fixed so they can be opened part way to let pigs out but still hold sow inside. "It is hard to build a door sows can't tear up or off," says Carol, "but they haven't been able to do a thing with these and we like them very much."

### Can Change Pen Size

Outside pens have concrete floors as does the house. Pens are made in 2 sections with the outer half serving part time as a gate. That is, the outer 6 feet of the pen wall can be swung across to cut pen size in half. This makes pen adjustable to needs of sow and litter. Square watering tanks are put in the pen fence line so each waterer serves 2 pens.

One thing Mr. Booz and Carol like very much is an oil heating stove in the feed room. "We spend a lot of time in the hoghouse in some mighty cold weather and the heating stove is invaluable. It is mighty nice to work in a 70-degree room when it's below zero outside," says Mr. Booz.

After building their new hoghouse they still needed more farrowing space, so Mr. Booz and Carol decided to remodel an old central-aisle, open-pen house along the same lines as their new house.

"We did make some changes, however, as the result of what we learned building the new one," says Mr. Booz.

For instance, in the new house, floors in the farrowing stalls slope only an inch in 7 feet and slope away from the brooder corner. In the remodeled house floors were sloped 3 inches in 7 feet and toward the brooder.

In the new house, as we explained, one corner of each pen was cut off to make the brooder. In the remodeled house, brooders are nothing but open-faced boxes shoved up against a small hole in the back side of the farrowing stall. "With a 3-inch slope to the floor pigs almost fall thru the hole and into the brooder," says Mr. Booz. "At least, they find it much quicker than with the setup in our new house. We like the boxes better than corner brooders for several reasons. They don't take any space away from the sow. She can't get at the brooders to tear or damage them. When pigs get big enough to use a creep we just pull the boxes back from the hole a little to let them out. Later, when we don't need the brooders we can take them out."

Both Yorkshire and Duroc hogs are raised on the Booz farm now as an experiment to compare a good standard breed with the English-type bacon hog.

### Saves Shoveling Grain

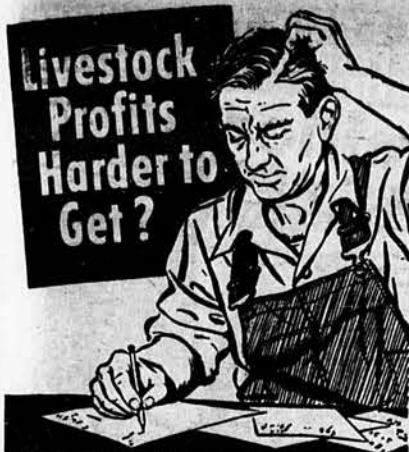
Ralph Brown, Brewster, uses 2 augers, welded together, to put grain where he wants it in his elevator. Grain first is elevated to top of elevator, then funneled into one auger or the other which carries it to one side of the elevator or the other and lets grain into proper bin.

One auger also opens at front of building so grain can drop into a screen cleaner. This also helps dry wheat. Holes in bin doors are used to fit perforated well casing in for connection with blowers to dry grain.



**THIS OIL STOVE** allows Mr. Booz and Carol to work in 70-degree temperature when it is below zero outside hoghouse.





...NOT WITH

**BIG 6**

**TRACE MINERAL SALT**

Most grasses and home-grown grains no longer supply enough vital minerals for proper livestock feeding. That's why livestock suffer from depraved appetites, emaciation, slow gains, brittle bones, etc.—why your livestock profits are not what they might be.

**YOUR LIVESTOCK NEED EXTRA MINERAL HELP!**

BIG 6 has what it takes to raise thrifty, strong-boned profitable livestock—contains salt, cobalt, manganese, iron, copper and stabilized iodine. It's a low-cost way to safeguard livestock profits. Provide BIG 6 for all your livestock.

Available from most feed dealers in 50-lb. blocks and 100-lb. bags.



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20 West 9th Street Bldg., Kansas City 6, Mo.  
Makers of REX Multi-Mineral Supplement with Salt, BIG 4 Iodized Mineral Supplement Salt

**SAVE \$100.00**  
ON THIS **HYDRAULIC TRUCK BED HOIST**  
Get the hoist you need while prices are low. Save money and labor by dumping your heavy loads with a Savage hydraulic truck bed hoist. Easily installed. Guaranteed. Write today for FREE FOLDER AND FACTORY-TO-YOU PRICE. **SAVAGE MFG. CO., 1000 S. McComas, Wichita, Kan.**

**That's for Me!**  
This man is about to make a good investment! He's going to buy an **INTERLOCKING STAVE SILO**. He'll cut his feed costs, produce better beef and have an investment that will pay for itself many times over in the years to come! Send for **FREE folder TODAY!**

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**\$35 DOWN PAYMENT**  
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I would like information on the following:

☐ SILOS ☐ GRAIN AND INDUSTRIAL STORAGE ☐ SILO BLOWER

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NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**Preserve Green Feed**

(Continued from Page 6)

tions, to test for moisture. Or a handful of the windrowed crop can be twisted to estimate the degree of moisture. If beads of moisture ooze to the surface of stems when twisting, it has been wilted to the right stage. If moisture drips it is still too wet. If no moisture appears at all it is too dry. Too wet loads can be mixed with too dry loads and silage of proper moisture will result.

Phillips Brothers wilted their first alfalfa silage and added 150 pounds of corn-and-cob meal to the ton. Now they don't bother to wilt and use even less preservative. It turned out just as well. They prefer not to wilt because carotene is particularly important to them as dairymen. The corn chop they use as insurance is simply figured into the grain ration which they would give their cows anyway.

**Could Tell No Difference**

Mr. Latzke used the plain wilt method for 5 straight years with good results. Last year he tried a preservative, using molasses, about 1 bushel of molasses to every 2½ to 3 tons of silage. When the price of molasses went up he cut the ratio, using only half as much molasses. He says he could tell no difference between the feeds.

Mr. Hiller prefers to omit the wilting stage because of the cost. Wilting requires an extra time thru the field. By making alfalfa silage without wilting, he can cut and chop in one operation. He says he can make alfalfa into silage cheaper than he can put it into bales.

But whether you wilt or not, there are several tips important to good results. These men have experienced the value of these tips. In some cases experiments have well proved their worth.

First of all, plan the crop for silage. Don't plan to put up that first crop of alfalfa for hay, and should it get caught by rain change it over to silage. Silage can be no better than the quality of the crop put in the silo.

Cut at the right stage of growth. Cut for high protein content. That is before maturity. Then cut it fine, about ¼ inch. The finer it is cut the better it will pack, exclude air. Exclusion of air prevents spoilage. Fine chopping makes for less fermentation, a better type of fermentation. It makes a more palatable silage and an increase in quantity of crop that can be put in the silo.

**Keep the Job Going**

Try to avoid long intervals between silo-filling dates. A day or two delay after filling has started may result in a spoiled layer of silage.

Materials put into the top one third of the silo should be wilted less, only slightly. Heavy moist materials will pack more closely and press out more air. Some find it advisable to tramp the upper one third of the ensilage as it is blown in.

An unwilted layer 4 to 6 feet deep at the top will help complete the job of forcing air out of the ensiled material and will help exclude air from this top layer.

During settling period in an upright silo it is well to tramp occasionally, taking special care to pack materials in tightly near the silo wall.

A tractor can be used to pack ensilage in trench silos. And tar paper covering, some have found, will help prevent spoilage in the trench silo.

Grass silage put up right makes excellent feed. Your soil will like the type of farming that goes with grass silage, too.

You may want to use a preservative the first year or two. After that you may gain confidence in your ability to put up good grass silage and eliminate the preservative. Others have and will swear by it.

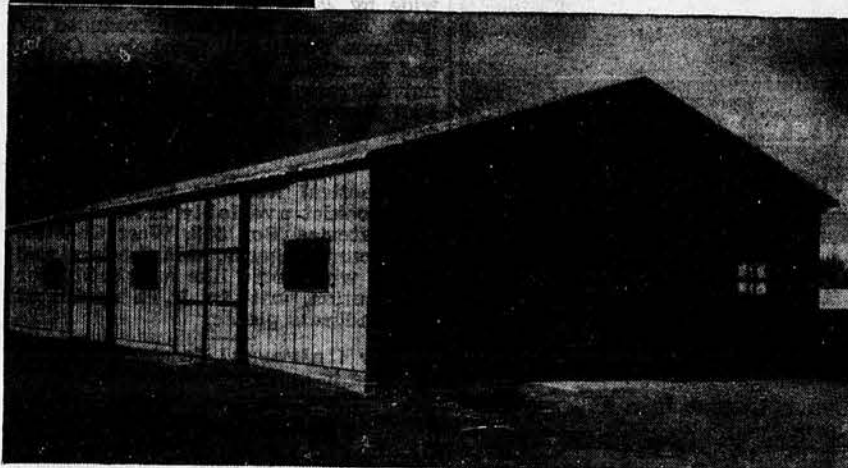
**Change in the Scene**

Sunflower road markers in Kansas have a new design. There is a larger "route number," making it easier for motorists to read. Numerals are 6-inch widths now, were 4 inches. According to the State Highway Commission there are 250,000 state route markers on Kansas roads. New signs can be repainted, but old ones were embossed, with numeral raised.

**Elmer Arnold, Rozel, Kans., says**

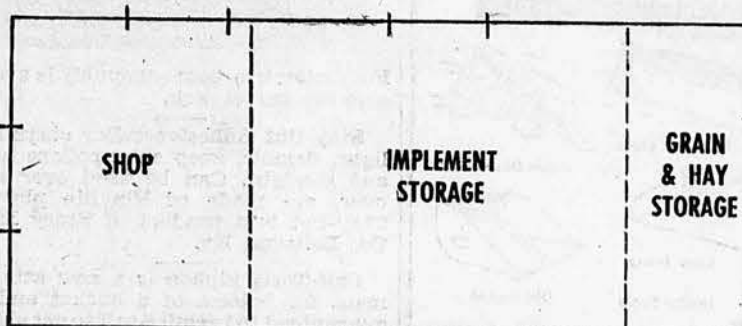


**"My Butler Building solved all my storage problems"**



"I purchased a 32' wide Butler rigid frame steel building a year ago to accommodate the many storage needs I have on my farm. My building is used to store hay, implements and many other items. I also have a small workshop at one end of the building.

"After using my building one year, I have often wondered how I have ever gotten along without it. The low maintenance cost, fire safety and long life construction mean a lot to me. I would recommend this type of building to anyone in need of a storage building."



PLENTY OF SPACE for all storage needs is illustrated by this floor plan of Mr. Arnold's Butler Building, which provides for workshop, implement storage, and grain and hay storage.

To meet your storage or shelter needs, take Mr. Arnold's recommendation . . . investigate Butler Steel Buildings. Straight sidewalls and clear interior construction mean full space use . . . year around. And Butler Steel Buildings are fire and lightning safe . . . proof against rodents and other vermin . . . strong, sturdy, weathersealed and *weathertough*. See your Butler dealer, or fill out and mail coupon today.

**Straight Sidewalls . . . Use all the space you pay for**

**BUTLER**  
STEEL PRODUCTS

**BUTLER MANUFACTURING COMPANY**  
KANSAS CITY, MISSOURI  
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For prompt reply, address  
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- ☐ Send name of my nearest Butler dealer.  
☐ Send information about Butler Buildings.

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R.F.D. \_\_\_\_\_  
P.O. \_\_\_\_\_ State \_\_\_\_\_



## Easy Loading... Dozing... Lifting...



### NEW IDEA-HORN HYDRAULIC LOADER

Three models that fit practically any tractor... 10 easy-on attachments... turn your tractor into a versatile helper for easy, quick, one-man crop and chore work. Low clearance and compact design allow working room in tight spots. Coped and welded joints... tubular steel frame provide long life of trouble-free service. Ask your NEW IDEA dealer for further details, or mail coupon below.

#### 10 Easy-on Attachments



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FARM EQUIPMENT CO. **AVCO** MANUFACTURING CORPORATION

Dept. H-322, Coldwater, Ohio

Send free literature as checked:

- ☐ NEW IDEA-HORN Loaders  
☐ NEW IDEA-HORN Stalk Shredders  
☐ NEW IDEA-HORN Steel Wagon Box

Name \_\_\_\_\_

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## HAVE YOU HEARD?

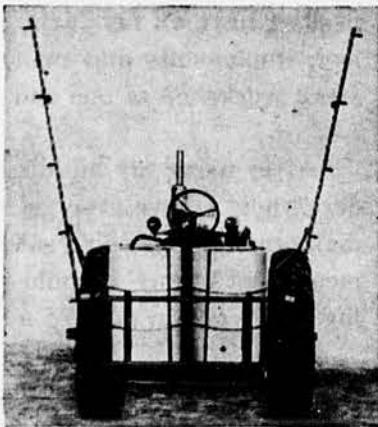


### Notes on New Products and Folks Who Make Them

**ALL-AMERICAN SPACE SAVER** is a new high-pressure water system for home service that is wholly self-contained. It measures only 12 inches wide by 28 inches long by 30 inches high. The unit has been introduced by Advance Pump Co., Berkeley, Calif., and Hamilton, O. Made in 2 sizes, the unit delivers up to 975 gallons per hour. Full descriptive literature is available from the nearest Advance company office.

"**Practical Mastitis Control**" is a new booklet available from Martin Laboratories, Box 532, West Chester, Pa. County agents, 4-H leaders and others who would like a quantity for distribution, write Dr. F. E. Martin, at same address please.

**New Universal Jayhawk Field Sprayer** is announced by Wyatt Mfg. Co., Salina, Kan. Sprayer can be mounted on rear or front of tractor as well as on a trailer. Nozzles and drops are available for corn, wheat, cotton, and open field spraying. Main boom assembly can be on either front or rear without change in spray hose. Chemical barrels are carried on rear of tractor.



For trailer use, boom assembly is available less barrel rack.

**Stay-Put Adhesive collar stays** are light, flexible, keep shirt collars neat and straight. Can be used over and over, are made of Vinylite plastic. Stay-Put is a product of Story Mfg. Co., Bellevue, Ky.

**Calf-Teria Siphon** is a new attachment for bottom of a bucket and is guaranteed to permit a calf to get about all milk from bottom of a pail—leaves



less than a tablespoon of unused milk at each feeding. This picture shows part of siphon in interior of bucket. According to Calf-Teria Sales, Inc., Fort Wayne, Ind., tests have proved one ton of milk was saved in raising 20 calves. A durable plastic valve, spring steel clamp and sturdy rubber hose insure long life. Retail price, \$1.

**Dari-Kool** bulk cooler is made by Dairy Equipment Co., Madison, Wis. Milk is poured or pumped directly into tank coolers instead of into milk cans.

Initial cost of Dari-Kool is low and there's great efficiency of operation, say many dairymen who have tried the new cooler. Dari-Kool milk storage tanks are cooled by an ice-cold glacial waterfall which runs down sides of



tanks. Milk temperature is reduced from 90° to 50° in less than one hour. Stainless steel tanks roll forward on folding track for easy washing and draining.

**Clay heavy-duty stock gate** is a new product of Clay Equipment Corp., Cedar Falls, Ia. Gate is designed to take abuse of bull pens, stock yards, feed lots, corrals. Gate can be raised and tilted to permit hogs and other small animals to pass under, while cattle, horses and other large animals are held back. Six heavy steel bars are used in gate instead of wire. Clay stock gates are made in standard sizes of 10, 14, 16 and 18 feet.

**Redi-Bolt** is a new threaded steel rod, for repair and construction jobs. It's available in straight 36-inch lengths, threaded end to end and in 6 sizes. The user can cut his bolts—quickly and easily—to the exact size and shape required. The rod can be bent into U-bolts,



L-bolts, eye-bolts, by heating with blowtorch or kitchen stove flame. Redi-Bolt can be used to build and repair feed bunks, self-feeders, wagon boxes, windmills, overhead conveyors, dairy stanchions, silos, manure loaders, hayracks. The new product is available from hardware and farm implement stores. For more details, write the company at P. O. Box 6102, Chicago, Ill.

**Cooper-Tox** is a new, improved Toxaphene livestock dip, or spray. To introduce it to cattlemen, Wm. Cooper & Nephews, Inc., Chicago, offers a free sample of Cooper-Tox. Use it to control ticks, flies, lice and sheep ticks on all livestock except dairy animals.

Minerals are especially important in baby beef production, comments Moorman's Mfg. Co., Quincy, Ill.; they're needed for quick growth. "Also, it takes a properly balanced ration, including a complete mineral feed, to put on that extra fine finish that is so desirable." Moorman's GroFat comes in either powder or block form, provides necessary minerals for growth and development.

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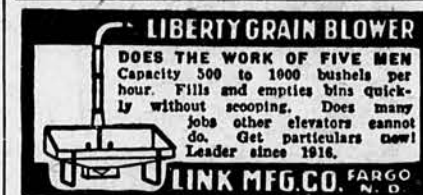
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FIRST IN FARM MATERIALS HANDLING

## Marketing Viewpoint

LEONARD W. SCHRUBEN, Feed Grains  
L. W. VAN MEIR, Livestock

In what stage is the hog market at present?—F. B.

In terms of market receipts the hog market is past the winter and early spring peak and is approaching the seasonal low. Total receipts at 12 public markets for the first 3 months of 1952 were 1.8 million dollars above receipts for the second quarter. Hog slaughter will reach its seasonal low in August and September.

Hog prices have a seasonal movement just the reverse of that of hog slaughter. Hog prices have recovered considerably from the April low. The average price at Kansas City for Gd-Ch 200-240-pound barrows for June was \$20.65 as compared to the April average of \$17.35. Hog prices should continue to increase and reach a seasonal peak the latter part of August or first week in September.

How important is the International Wheat Agreement to wheat farmers?—C. S.

It is one instrument of policy through which the United States encourages wheat exports. It is not the only way we have of meeting competition from other exporting nations for the world's markets, but it happens to be the most important at present. The present agreement expires July 31, 1953. Discussion of renewing the agreement has started.

To get an idea as to the importance of exports, one has only to remember that since World War II we have exported about the same amount of wheat as has been produced in Kansas, Oklahoma, Texas and Nebraska. Without an export market the pressure of wheat supplies would be tremendous if our production would have been the same as was realized.

We have exported almost 2½ billion bushels of wheat since the end of World War II. With a price structure that makes it impossible for wheat to compete as a livestock feed, other markets must be found. Foreign people have been able to buy our wheat thru both foreign aid programs and the I.W.A. Export programs have had the effect of permitting farmers to produce more wheat than otherwise. Without export outlets there is little question that either wheat would be fed to livestock or that production would have been curtailed.

### More 4-H Reporters Enter Contest

Here is a 6th list of 4-H Club reporters who have written Kansas Farmer about the 1952 Kansas 4-H News Writing Contest and for one of our "Suggestion Sheets" of stories to prepare. Kansas Farmer is new sponsor for the contest.

Reporters and home include: Joan Trimmell, Star Shooting 4-H Club, Garnett; Kathryn Johnson, Prospectors 4-H Club, R. 2, Luray; Ted Patterson, Richland Rustlers 4-H Club, R. 2, Pratt; Mary Pearson, Jolly Junior 4-H Club, R. 3, Baldwin.

### Some Feeding Hints

If you're one of 20 million dog owners in America, you'll want to give your dog good food and care. For hints on this, write us for a copy of "Feed and Care for Your Dog the Purina Way," a new booklet of Ralston Purina Co., St. Louis, Mo. No charge. Just address Farm Service Editor, Kansas Farmer, Topeka.

And say, would you please tell us what you feed your dog, what type of feed you buy, where you buy it? Thanks.

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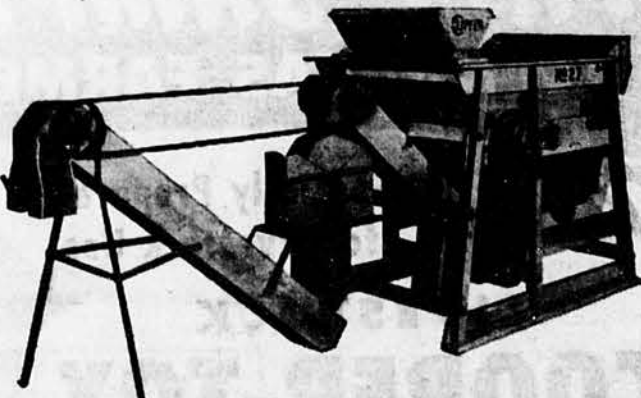
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## Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

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## Time to Get Fall Garden Started and These Suggestions May Help

By WILLIAM G. AMSTEIN, Kansas State College

WHILE GARDENS on many farms have been hurt by hot, dry weather, some fine crops were grown in many of them before weather took its toll. Where irrigation has been possible, production has been maintained. Within a week or two, it will be time to get fall garden plantings underway. Many years fall plantings will do much more than we realize.

Some new vegetable varieties introduced this year for the first time showed to rather good advantage. For example, America spinach certainly stood much more heat before going to seed than our standard varieties such as Bloomsdale Long Standing. Another example in this same group is the new variety of leaf lettuce, Salad Bowl. This variety remained in useful condition long after our general standard varieties became tough and worthless. Hybrid onions are still another example of a new crop with high value in our local needs, especially for gardeners who have trouble storing onions.

As we get our fall garden plantings underway, a few suggestions ahead of planting time may help. As the season approaches, moisture conditions usually improve. If we have kept an area free of weeds and cleared of early plant remains, so much the better. Where we are able to water, our problems are taken care of.

In the fall garden, short-season, early-maturing varieties and crops need to be emphasized. Some think fall gardens are not as easy to start. It is

often possible to grow quite a variety of crops in fall gardens. Any fall production will help conserve our spring-grown crops that have been stored.

Crops such as snap beans, spinach, lettuce, radishes, sweet corn, beets and Chinese (celery) cabbage are the best adapted. In most areas of Kansas, plantings of many of these crops should be seeded by August 1. Later planting dates are possible in southeastern counties. Lettuce, spinach and other shorter season crops can be planted as late as September 1 in southern counties.

Many years more than one planting of these fall garden crops is desirable. This will often result in better yields as well as guaranteeing a stand from one planting, that might not be the case if real hot weather hurt the stand.

A crop such as Chinese cabbage is of interest to many gardeners and if grown with any success, should be on more of our lists. Many know it as a salad crop in their stores in the fall and winter, but have not tried it themselves. It is usually seeded directly in the row and plants thinned after they are up to a stand to about 8 to 12 inches apart. Varieties with names such as Chihili, Wong Bok, Michilli, or Petasi are usually available. Only one variety is needed. Good moisture and fertility are both important. No blanching or tying of plants is necessary to provide an attractive finished product.

Let's have a fall garden. Certainly we need to plan on having at least a good turnip patch.

## COMING EVENTS

July 20-26—Farm Safety Week, sponsored by National Safety Council and Department of Agriculture.

July 21—Shawnee county, beef tour.

July 22—Johnson county 4-H Chamber of Commerce picnic, Olathe, waterworks lake, 7 p. m. If inclement weather, picnic in American Legion building.

July 22—Jackson county, land judging school, courtroom, Holton, 10:00 a. m.

July 22-25—Dickinson, Saline, Marion, McPherson and Rice counties, 4-H Camp, (older group), Rock Springs.

July 22-25—American Hatchery Federation annual convention, San Francisco.

July 23—Lane, Comanche and Ness counties, Southwest 4-H Camp.

July 23—Ellsworth county, beef tour and barbecue.

July 25—Labette county, grain drying school, Altamont.

July 25—Cloud county beef tour.

July 27—Norton county, 4-H businessmen's picnic, Norton, Elmwood Park.

July 28—Johnson county dairy tour.

July 28-29—Flint Hills Hereford tour. Schedule of tour is on page 3.

July 28-30—Osage county, home management training school for H. D. U. leaders, Lyndon.

July 30—Jefferson county, county-wide home economics judging school, Township Hall, Valley Falls.

July 30-Aug. 1—Sheridan county, 4-H fair, Hoxie.

July 30-Aug. 9—National Vegetable Week.

July 31—Brown county, dairy judging school, Lambert & Dickerson Guernsey Farm, Hiawatha.

July 31—Barton county, 4-H Chamber of Commerce picnic, Lake Barton.

July 31—Osage county, H. D. U. county-wide play day, Osage City fairgrounds.

July 31-August 1—Shawnee county, eastern Kansas judging school, Topeka.

July 31-August 1—Annual Eastern Kansas FFA and 4-H Club livestock judging school.

July 31-Aug. 2—Coville county, 4-H show, Arkansas City.

July 31-Aug. 2—Sheridan county, 4-H and FFA fair, Hoxie.

August 3-5—Nemaha county, 4-H fair, Seneca.

August 3-9—Barber county 4-H summer camp, Ponca City, Okla.

August 4—Washington county, unit lesson on washing and ironing, Ethel Self, Washington.

August 4—Pottawatomie county, beef tour.

August 4-9—Rush county, junior leadership camp, Rock Springs.

August 5—Wabaunsee county, beef tour.

August 5—Washington county, 4-H leader food preservation school, Elizabeth Randle, Washington.

August 5—Wabaunsee county, beef tour and barbecue, Kermit Roth farm, Maple Hill.

August 5-6—Brown county 4-H fair, Fairview.

August 5-6—Finney county, land judging school.

August 6—Sedgewick county, dairy pasture and management tour.

August 6-7—McPherson county, 4-H and community fair, Moundridge.

August 7—Sedgewick county, annual picnic.

August 6-8—Jefferson county, 4-H Camp, Sycamore Springs.

August 7—Barton county, home economics 4-H judging contest.

August 7-8—Chase county, Council Grove judging.

August 7-8—Barton county, land judging school.

August 7-8—Morris county, district judging school for 4-H'ers, Camp Freemont, Council Grove.

August 8—Finney county, annual homemakers overnight camp.

August 8-10—Logan county, Oakley 64th birthday celebration.

August 10—Rawlins county, business men's picnic.

August 11-15—State Conservation Camp.

August 12—Butler county, land judging school, El Dorado, 10 a. m.

August 12-14—Barton county 4-H fair.

August 12-14—Sedgewick county, 4-H Club fair.

August 13—Morton county, livestock judging school.

August 13—Wichita county, frozen foods training school, Wichita County Community high school, Leoti.

August 14—Brown county, soil conservation field day, Ben Willie farm, Robinson.

August 14-16—Comanche county 4-H fair.

August 14-16—Wyandotte county 4-H fair, Bonner Springs.

August 15-16—Kearny county, 4-H fair, Louck's Park, Lakin.

August 17-23—Sixth International Grassland Congress, Pennsylvania State College, State College, Pa.

August 18-19—Kiowa county, 4-H fair, Greensburg.

August 18-20—Shawnee county, 4-H Club fair.

August 18-20—McPherson county, 4-H fair, McPherson.

August 18-23—Central Kansas 4-H fair, Abilene.

August 19-20—Wichita county Old Settlers' picnic and fair.

August 20-21—Edwards county, 4-H fair, Kinsley.

August 20-21—Morris county, 4-H fair and sale.

August 20-23—Norton, Decatur, Sheridan, Rooks, Graham and Phillips counties, 4-H camp, Rock Springs.

August 21-22—Rawlins county, 4-H and FFA fair.

August 21-22—Barton county, overnight camp for home demonstration women.

August 22—Wabaunsee county, horse show, Alma, 8 p. m.

August 23—Jefferson county, county wide preliminary style review for all 4-H girls, Oskaloosa Legion Hall.

August 25-27—Jefferson county, 4-H fair, Valley Falls.

August 25-26—Hamilton county fair and 4-H fair, Syracuse.

August 27-28—Barton county leader training on problems of aging, with Vivian Briggs, KSC Extension specialist.

August 27-30—Dickinson, Morris, Marion counties, tri-county 4-H fair, Herrington.



## More Acres Being Summer-Fallowed

Kansas farmers summer fallowed more acres of cropland last year than in 1950, according to Kansas State Board of Agriculture and U. S. Bureau of Agricultural Economics. The 1951 total was 4,451,000 acres and in 1950, 4,233,000 acres. The 1951 figure was larger than in any of the 5 preceding years of record and 21 per cent above the 5-year (1946-50) average of 3,693,000 acres.

Of the total acreage fallowed in 1951, 96 per cent or 4,273,000 acres were seeded to wheat last fall. This acreage was 6,000 acres more than in 1950. In western third of state, wheat seeded on fallow in fall of 1951 comprised 59 per cent of all wheat seeded. In central third, percentage was 10 per cent; in northwestern district, 73 per cent, and in central district, 9 per cent. Wheat yields on these summer fallowed acres showed increases over cropland with continuous wheat.

## Grain Sanitation New 4-H Project

Grain sanitation projects have been added to the Kansas 4-H Club program as a demonstration activity.

J. Harold Johnson, state 4-H Club leader, says the Kansas Wheat Improvement Association will give leather, gold-lettered billfolds for the best demonstration in each of the 105 counties, and 17-jewel gold watches and trips to the American Royal 4-H Club conference to state winners in the activity. State winners will be selected at Kansas State Fair in Hutchinson.

Members will demonstrate different phases of grain storage sanitation, such as cleaning bins and premises, spraying bins with residual sprays to kill weevils, using wheat protectants or fumigants, controlling birds, rats and mice and treating stored grain for weevils.

## New Cattle Disease Appears

Reported for the first time in America is a new cattle disease—fescue foot. The disease affecting the hind feet of cattle has been discovered in 2 counties in Western Colorado. First report was in 1948 in New Zealand.

A toxic substance contained in a certain species of tall fescue grass causes a restriction of the blood supply to the hind feet, resulting in lameness and a sloughing of the hoof of one or both hind feet. Reed's fescue grass—also termed King, Giant or Ditch Bank fescue—has the botanical name *Festuca arundinacea*, the same species reported to be the cause of trouble in New Zealand. Colorado Experiment Station is investigating the new disease.

## KSC Expands Teacher Training

A 4-year degree curriculum in elementary education will be initiated at Kansas State College in September. Students will be prepared to teach in Kansas elementary schools, will qualify for an elementary teaching certificate from the State Board of Education, valid in any elementary school in the state. The curriculum will help solve the critical shortage of qualified elementary schoolteachers.

## Oldest Mule?

Jen, a mule foaled in 1919, is believed to be oldest mule in Kansas. Recently she celebrated her birthday with 33 candles on her oats bucket, writes John L. Wingert, Lyon county. In April 19 *Kansas Farmer*, he asked, "Is this the oldest mule in Kansas?" Let's have a letter from you if you know of an older mule.

The mule has been known over the world from earliest times. The old testament mentions mules, as well as liter-

ature produced as early as 800 B. C. Some of the old Roman writers discussed the mule in their description of agriculture. Spaniards brought mules to the U. S. in the 16th century. George Washington was one of the first to engage in mule production, and Henry Clay, of Kentucky, is credited with introducing Spanish jacks in his state.

## Oldest Mule

In April 19 issue of *Kansas Farmer*, I see where John L. Wingert, of Lyon county, wonders who has the oldest mule.

I would like to nominate "Gin," a black mare mule foaled April 26, 1916, celebrating her 36th birthday this spring. Gin is in good flesh and will pull a car out of the mud just like she always did.

Let's hear if he can top this.—V. D. Brillhart, Bourbon Co.

## Offer New 4-H Horse Project

New program for Kansas 4-H members is the light horse project. Sponsors are Kansas Saddle and Pleasure Horse Association and Kansas State College Extension service.

Members will be encouraged to breed and train light horses. The association will provide stud service and financial backing for premiums for exhibits and advice on management, training and markets for animals. Also provided are bred registered mares for 4-H colt project. A 4-H class will be introduced at the State Futurity Show in Salina, and an auction for 4-H members when they want to sell their colts.

## Study Salt Needs Of Beef Cattle

Salt needs of beef cattle are being studied at Kansas State College in co-operative experiments. Members of the departments of animal husbandry and chemistry are working with the School of Veterinary Medicine. Effects of a prolonged, salt-free diet are being determined. Dr. E. J. Splitter, veterinarian, says the influence which this restricted diet may have upon such factors as the rate of gain, body chemistry and susceptibility to disease will be examined.

## Good Chicks

Are the foundation for a successful poultry flock. Then by following a top feeding and management program, you'll get top results. For tips, write us for a copy of the Ralston Purina Company's "Poultry Book." Address the Farm Service Editor, *Kansas Farmer*, Topeka. No charge.

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Be An Auctioneer. Term soon. Write for catalog. Missouri Auction School, 3241 Paseo, Kansas City, Mo.

## AGENTS AND SALESMEN

At Last! Something new and sensational in Christmas cards. Make extra money fast! Show Satins, Velours, Metallics. Gets easy orders. Pays up to 100% cash profit. 30 free samples. With name \$5 for \$1.25. Big line. Amazing new Glo-in-the-Dark Ornaments. Personalized Matches, Stationery. Several \$1.00 boxes on approval. Puro Greetings, 2801 Locust, Dept. 287-J, St. Louis, Mo.

\$50 for Spare Time selling only 100 exquisite \$1 Christmas Card Assortments. Exciting values sell on sight. Profits to 100% on complete line. Free samples Personalized Cards, Stationery. Assortments on approval. Stuart Greetings, 325 W. Randolph, Dept. 835, Chicago 6.

Man to Earn \$90 week up. Long needed invention. Advertisers Saturday Evening Post, Colliers. Prospects everywhere. Full or part time. Exclusive. No investment. Free samples. Write Red Comet, Inc., Dept. 24-C, Littleton, Colo.

## August 2 Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by Friday, July 25

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

# Classified Advertising Department

## KANSAS FARMER Classified Advertising

### WORD RATE

10c per word each issue. Minimum—12 words. Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis

### DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/2	\$4.90	2	\$19.60
3/4	9.80	3	29.40

Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads.

Write for special display requirements.

Kansas Farmer, Topeka, Kan.

## BABY CHICKS

Rocks, Reds, Hampshires, Wyandottes \$7.95, pullets \$12.95; Leghorns, Austra-whites, Minorcas, \$8.95, pullets \$14.95; Heavy Assorted \$6.90; Leftovers \$4.85; Fryers \$2.95 FOB, 100% alive COD. Catalog free. Bush Hatchery, Clinton, Mo.

DeForest Blueblood Chicks, broiler and egg breeds and crosses. Hatching year around. Broad-breasted Bronze, Beltsville White Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

White, Brown Leghorns, Austra-whites, Rocks, Reds, Hampshires, Wyandottes \$8.90, pullets \$13.95; Heavies \$6.85; Mixed \$5.95; Fryers \$2.95. Hi-Grade Chicks, Deepwater, Mo.

## FARM EQUIPMENT

### KOROK SILO

No concrete. No plaster. Acid proof. Permanent. State Agent, E. D. HERSHBERGER, Newton, Kansas

Gigantic Surplus Equipment Sale. Amazing bargains. Savings to 70%. Farm engines, A-C generators, hay winches, telephones, air compressors, paint spray outfits, weed spray outfits, water pumps, electric saws-drills, welders, chain saws, battery chargers, binoculars, contour levels, etc. Special—farm telephones, \$12.40 each. Freight prepaid. Rush card, illustrated sale catalog. Burden Sales Company, 877 "O" Street Lincoln, Nebraska.

Want to Save Money? Then send for your Free 1952 farm catalog. It's loaded with bargains for farm, home, ranch. Save on barb wire, field fence, paints, roofing, hardware, and hundreds of values. Big free coupons. Write for free catalog. Trading Post, 1800 D Burlington, North Kansas City, Mo.

Booms All-Purpose Wagon Unloader. Inexpensive, easily attached to your present wagon. Unloads five tons in seven or fourteen minutes. Free literature. Booms Silo Co., Harbor Beach, Mich.

Wire Winder. Roll and unroll barbed wire with tractor power and speed. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

Build Your Own Rotary Lawn and weed cutter. We supply cutting unit complete. Price \$16.50. Circular free. Tractor-Lite Mfg. Co., Spirit Lake, Iowa.

Ford or Ferguson 24" Hus-Kee Tractor tool box. Heavy steel. Low price. Order from dealer or write Metal Box Co., Valparaiso, Ind.

## MACHINERY AND PARTS

Blue Bow and Blue Circle Treated Baler Twine, Binder Twine, Rope and three other brands. Wanted, dealers, distributors, salesmen. Bob Stone, National Twine Distributors, Chariton, Ia.

## ELECTRICAL EQUIPMENT

Light Plants, Generators, air compressors, blowers. Low prices. Free catalog. Wellworth Trading Co., 1832 So. Wabash, Chicago 16, Ill.

## FILMS AND PRINTS

### 3c Deckledge Reprints 3c

Reprints size as negative 3c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 5x7 enlargements for 50c. Four 8x10 for \$1.00. Your favorite photo copied and 10 billfold pictures 65c. Summers Studio, Unionville, Mo.

### 20 DECKLEDGE REPRINTS 50c

6-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete prices.

### FINN'S PHOTO SERVICE

Box 1068-KF Topeka, Kan.

Two Sets of "Deckledge" Prints with every 8-exposure roll finished 40c. Very finest quality. "Deckledge" reprints 3c each. Jumbo reprints 4c each. Brown Photo Company, 1910-32 Emerson, Minneapolis, Minn.

Only 25c. Your roll developed and 8 finest quality enlarged prints. Pictures plastic bound in beautiful album. Trial offer; limited time. Daily service. Ball Studio, Dept. 72M, Box 275, St. Louis, Mo.

Jumbo Prints — 8-exposure, 35c. 12-exposure, 50c. 16-exposure, 65c. Reprints, 5c each. The Foto Farm, Dept. KF, Box 228, Norfolk, Nebr.

Eight-Exposure Roll printed one of each 25c; two each 35c; one each Jumbo 35c. Star Photo, Denver, Colo.

16 Jumbo Prints from any size roll or negatives, 35c, with this ad. I. Skrudland, Lake Geneva, Wis.

## DOGS

Black English Shepherd Pups. Breeder for 25 years. H. W. Chestnut, Chanute, Kans.

Rat Terrier Puppies. Bred for ratters. Crusaders Kennels, Stafford, Kansas.

## PETS

Young Parrots—Make fine talkers. Herb Miller, 1911-N, Lubbock, Tex.

## RABBITS AND PIGEONS

Earn Up to \$400 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark, O.

## FOR THE TABLE

### HONEY Mixed 60-lb. Can \$10.50

Extracted—Pure as bees can make it. 60-lb. Can Clover, FOB.....\$12.00 60-lb. Can Mixed, FOB.....10.50 12-lb. Can Clover (Postpaid to 600 ml.)... 3.85 12-lb. Can Mixed (Postpaid to 600 ml.)... 3.50 Order Promptly — Supply Limited HAHN APIARIES, 1715 Lane St., Topeka, Kan.

## INVESTMENTS

### OVER 6% INCOME

You now can obtain over 6% income on your money if invested in Kansas Power & Light Common Stock. Dividends are paid quarterly. We, at all times, have shares for your investment.

Write today for full information.

### ESTES & CO., Inc.

112 West 7th Topeka, Kan.

## SEEDS

### BUY SPERRY'S KY 31 FESCUE

Green pasture year around—makes fine hay. "The answer to a cattleman's prayers." I ran 75 to 100 head all winter on 60 acres, no feed, no shelter. (See Henry County agent's article in July issue of *Capper's Farmer*.) Drill 20 lbs. per acre August 15th to September 15th. Seed 65c lb. Order now. Send 10% with order and pay balance on delivery. Floyd Sperry, Box 8, Route 6, Clinton, Mo.

### Brome Grass Seed Wanted

Send samples stating quantity for sale.

MID-CONTINENT SEEDS, Inc. 422 N. Santa Fe Salina, Kansas

## KANSAS CERTIFIED SEED

Thirty-five Bushels Registered Buffalo Alfalfa Seed. Harvest fifty-one. C. E. Henneberger, Atwood, Kan.

## FLOWERS AND BULBS

African Violets—Newest varieties. Write for price list. Mrs. Fred Walkenhorst, 6030 Indiana, Kansas City, Mo.

## WANTED TO BUY

Highest Cash Paid for Old, Broken Jewelry, Gold Teeth, Watches, Silverware, Diamonds, Spectacles. Free information. Satisfaction guaranteed. Rose Smelting Company, 29-KA East Madison, Chicago.

Send Us Wool or Woolen Rags. Trade for woolens. Bating and blankets. Write for free circular. Litchfield Woolen Co., 303 Sibley Ave. No., Litchfield, Minn.

## REMEDIES—TREATMENTS

Foot Formula Nine-Twelve successfully combats athlete's foot, foot odors, and promotes healing. Jar \$1.00 postpaid. House of Kirk, Dept. K, Box 1472, Cincinnati, Ohio.

## OF INTEREST TO WOMEN

Stainless Steel, Waterless Vaporseal, one quart sauce pans \$6.50; eight, \$14.50; six, \$13.50; two, \$7.50; three, \$5.50. Pressure Cookers, Percolators, Oven Roasters, Milk Pails. Major Co., 71 Milford, Springfield, Mass.

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.

## FEATHERS WANTED

West Chicago Pays More: Get highest cash prices for your goose and duck feathers. Send sample for prices of used feathers. Free shipping tags. Prompt payment. Company highly rated. West Chicago Feather Company, Dept. C. G., 172 N. Aberdeen St., Chicago 7, Ill.

## FARMS—MISCELLANEOUS

We Have Several Farms and Ranches from 80-acre dairy farm to 1,280-acre cattle ranches with good improvement. Aubrey Russell, Phone 49178, Universal Realty Co., 206 East Olive, Springfield, Mo.

Strout's Catalogs—Free! Farms, Homes, Businesses, 3,646 bargains, 31 states. World's largest, 52 years service. Strout Realty, 20-V West 9th St., Kansas City 6, Mo.

Good Home in the Ozarks. Low taxes. Free lists. Owensby, Buffalo, Mo.

## OF INTEREST TO ALL

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.

Don't Feed Sparrows! Make your own trap and catch thousands. Save costly feed and annoyance. Free details. Roy Vail, Farm Service Co., Box 7921, Chicago 15, Ill.

Boots and Shoes—Highgrade, fancy, handmade. Western style. Made to your measurement. Latest catalog. Crichton Boot Company, El Paso 8, Tex.

Trim Your Own Hair like a professional barber. Save \$50 per year. Complete comb clipper \$1. Lincoln Supply, 529 Main, Evanston 12, Ill.

Fish Bait—Over 20 recipes and suggestions only 10c and stamp. Many favorable reports received. K. F. Fisherman, 1715 Lane, Topeka, Kan.

## Attention OLD TIMERS

### 65-YEAR-OLD THRESHER

demonstrated at the Alban Lelker farm, 1 1/4 miles north, 1/2 mile east of

WALKER, KANSAS

JULY 26 & 27 — 2 P. M.

will thresh wheat as did 65 years ago, using 12 horses to power the thrasher.

Low-Flying Planes Not Allowed

ADMISSION:

Adults \$1.25, Children 50c



**SHEEP**

**NORTHWEST  
MISSOURI  
HAMPSHIRE  
SHEEP  
BREEDERS'  
ASSOCIATION  
RAM  
SALE**

**MONDAY, AUGUST 4, 1952**

Purebred Livestock Sale Barn,  
St. Joseph Stock Yards  
**ST. JOSEPH, MO.**

Show at 10 a.m. Sale at 1 p.m.

**30 YEARLING RAMS—5 AGED RAMS**  
These will all be large, growthy rams ready for heavy service.

**We will also sell 10 head of choice yearling Hampshire ewes.**

**CONSIGNORS:**  
Glen Armentrout ..... Norborne  
Jack & Eugene Busby ..... Maryville  
James R. Cook ..... Hemphill  
A. J. Dinsdale ..... Maryville  
Clever D. Gibson ..... New Hampton  
Dale Hawkins ..... Osborn  
William D. Norman ..... Cowdell  
F. B. Houghton ..... Maryville  
Clarence Sturm ..... Maryville  
L. C. Thornton ..... Maryville  
Miller Van Trump ..... Elmira  
J. T. Williams, Jr. ..... Maryville  
Mrs. Denton McGinnis ..... Maryville

For catalogs or additional information, write  
**F. B. HOUGHTON**  
Secretary, N. W. Missouri State College  
MARYVILLE, MISSOURI  
Judge: Rollo Singleton  
Auctioneer: Bert Powell

**Nebraska Sheep Breeders'  
16TH ANNUAL  
RAM and EWE SALE**

**Friday, August 1, 1952**  
State Fair Grounds  
**Lincoln, Nebraska**

9:00 A. M. Judging Reg. Sheep and Program  
11:00 A. M. Auction begins with Grade Ewes  
100 Black Face Western Yearling Ewes—  
90 Registered Yearling Rams—60 Registered  
Yearling Ewes, Registered Rams and Ewes  
are Hampshire, Shropshire, Cheviot, South-  
down and Corriedale.

For information write:  
**M. A. ALEXANDER, Secretary**  
College of Agriculture, Lincoln, Nebraska  
Charles Corliss, Auctioneer

**SHEEP**

**1200 head to select from**  
All good ages, yearlings, twos and threes.  
Blackface and whiteface

**See us before you buy**  
**E. B. THOMPSON RANCH**  
DEFIANCE, MISSOURI

**ORDER YOUR SUFFOLK RAMS**  
now while supply is still available.  
**BEAT GESTE FARMS**  
Roy B. Warrick & Sons Oskaloosa, Iowa

**Dairy CATTLE**

**A. Lewis Oswald  
John C. Oswald**

**Rotherwood  
JERSEYS**  
Hutchinson, Kansas

**HIGHER VIEW DAIRY  
FARM HOLSTEINS**

Located 4 miles north of Hays, on highway  
183. Featuring the bloodlines of Clyde Hill  
and the Crescent Beauties. We have 125 head  
in our herd. Serviceable-age bulls for sale at  
all times. We offer a few females occasion-  
ally. Visitors always welcome.  
**J. D. & E. E. FELLERS, Hays, Kan.**

**LOCUST LEA AYRSHIRES**

The most discriminating buy-  
ers can make selections from  
our herd at the present time.  
If you are looking for a herd  
sire, most any age you will  
find it here with preferred  
pedigrees and out of dams with  
high records. When you are in  
the market for Ayrshire breed-  
ing stock, don't fail to pay us a visit.  
**LOCUST LEA FARMS**  
Mr. and Mrs. John C. Reas

**WISCONSIN DAIRY CATTLE**

Choice Holstein, Guernsey and Brown Swiss  
Calves, Yearlings and Springing Heifers. Deliv-  
ered to your farm C.O.D.  
**Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419**

**82 HEAD OF  
JERSEY AND GUERNSEY HEIFERS**  
Good quality, yearling.  
**MACK MORRIS, Phone 983, Rogerville, Mo.**

**Name Winners in 1952 Soil  
Conservation Essay Contest**

STATE WINNER of 1952 essay con-  
test sponsored by the National Grange  
and the American Plant Food Council,  
Inc., Washington, D. C., is George Lar-  
son, 14, Miltonvale. Subject of essays  
was "Conservation Farming for Abun-  
dant Living."

Second place winner is Lois Adams,  
17, La Harpe, and 3rd place award goes  
to Charlotte Morrell, 19, Blue Mound.

Claude Brey, state lecturer for the  
Kansas Grange, Ozawie, reports 54  
Granges had entrants in the state con-  
test; 200 youths competed locally.

**The Winning Essay**

Following is the state-winning essay  
written by George Larson:

"Conservation is a word that didn't  
mean very much to me and my dad and  
a lot of other people until last summer.  
Sure—we knew what it meant but we  
just didn't pay any attention to it. Then  
Mother Nature did more in a few months  
to convince people it was smart to save  
their land than all the lectures and bul-  
letins had ever done.

"At our place we had a foot of rain in  
less than a week. Every day we watched  
water pour off the hills and turn ditches  
into gullies. When we went to see some  
of the flood damage and saw the tons  
and tons of soil washed into people's  
homes, we knew where some of our  
farm was.

"Dad has been one of these hard-to-  
convince people. He liked his rows  
straight—the straighter the better. He  
wanted his fields square. Last summer  
he decided a straight row wasn't so  
good if water was going to run right  
down the middle of it. He came home  
from town one day and said, 'Well, I  
signed up for soil conservation today.  
We're going to terrace, build some  
waterways and a pond.'

"Let us examine conservation and  
see what all it includes and how it can  
help give us more abundant living. Soil  
and water conservation is proper use  
and care of land and water. To do a  
good job of conservation a farmer must  
control erosion. He must use level land  
for crops and sloping land for hay and  
pasture.

"All farmers should plan to have  
some protection for wild life, and a good  
way to provide this is to plant trees  
and shrubs on steep places. Wild life on  
your farm helps control insects and  
gives us all a good deal of pleasure. We  
have a windbreak north of our house  
where an old rooster pheasant has been  
living all winter. We get a big kick out  
of watching him. I know he wouldn't  
last long if there wasn't a game law  
protecting him.

"There is no law yet that forces a  
man to conserve his soil, but it is our  
duty to keep the land as good as it was  
when we got it. Poor land means poor  
crops and low income. Poor income



George Larson

means less taxes for roads and schools.

"Each farmer should study his farm  
and make a plan that will help him pro-  
duce the most and still build up his  
soil. Crop rotation is one of the oldest  
ways of soil conservation. Our grand-  
fathers found out their land produced  
better if it wasn't planted to the same  
crop too many years in succession.

**Two of Newer Methods**

"Strip-cropping and contour farm-  
ing are 2 of the newer methods. A strip  
of small grains, hay or grass is planted  
and then a strip such as corn or sor-  
ghums. These may be sown in strips  
running around slopes to make rows  
more level. This slows down water and  
allows more of it to soak in the soil. It  
takes less power to pull around the hill  
than up and down and there isn't any  
time wasted shifting gears. Where the  
land slopes, it should be terraced. This  
is building ridges of soil to slow down  
and hold water which would run down  
the hill. Terraces can empty into grassed  
waterways which will carry away water  
and prevent gullies.

"There are many other conservation  
practices depending on location of your  
farm. Most important thing is to start  
saving your land before it is damaged  
so badly it will take years to bring it  
back. R. M. Salter said, 'Our rapidly-  
increasing population is putting more  
strain on our soils. Within a quarter of  
a century we may have fifty million  
more mouths to feed.'

"So my dad and I are going to try  
some of these methods of soil conserva-  
tion. We'd hate to think someone didn't  
have enough to eat 50 years from now  
because we ruined 160 acres of ground,  
but that isn't the main reason. We want  
all the good things that good crops will  
help us buy—good machinery, a nice  
car, a home and more abundant living."

**MITCHELL COUNTY TESTS WHEAT FERTILIZERS**

**BELOIT FFA members and Mitchell County Extension service joined  
forces on a fertility and variety test plot for wheat at the county fair-  
grounds at Beloit this season. Early in the year, variation in fertilizer rates  
and even varieties showed up. County Agent Joe Neill checks correlation  
plots. At left, plot received 100-100-0 at seeding, that on right, 100-100-25.**

**Beef CATTLE**

**8-year experiment shows**

**Angus calves average**

**66 LBS. MORE AT WEANING**

In 8 continuous years of comparison by a  
leading state university between two  
major beef breeds involving 374 calves  
... **ANGUS** purebred calves outweighed  
purebred calves of the other breed by 66  
lbs. average at weaning time. Since all  
calves were fed and handled the same,  
this accurate experiment proves: "Angus  
calves grow faster!" Be ahead! Buy  
Blacks! Wean bigger calves!

**American Aberdeen-Angus Breeders' Ass'n**  
Chicago 9, Illinois

**REG. ANGUS** Cows and Heifers for sale.  
Bred to or sired by Tri R  
Prince Eric a good breeding grandson of Prince  
Eric of Sunbeam.  
**CHESTNUT & RAILSBACK, Quinter, Kansas**

**Reg. Scotch Shorthorns**

Best bloodlines. Some 2-year-  
old bred heifers—some young  
cows with calves—also some  
older cows with calves. Also  
good young bulls serviceable  
age.

**ROBT. J. CROCKETT**  
Kinsley, Kansas

**SCOTCH SHORTHORNS**

Bulls for sale: Dark roan and reds, 8 to 16  
months old. You will like the calves by our Tri-  
State Champion M V Prince Peter 15th. Watch  
for them at the fall fair.

**GLENN E. LACY & SON, Miltonvale, Kan.**

**BEEF CATTLE**

**POLLED SHORTHORN**—For Sale both Bulls  
and Females. Well bred, properly marked and  
good individuals. Bang's vaccinated. Ready to  
go out and do good for their new owners. Come  
see our herd before you buy.

**HARRY BIRD & SONS, Albert, Kansas**

**REG. HEREFORD BULLS**

10 to 18 months old. Sired by: OJR Jupiter Star  
12th, Domino Lad KTO 11th and F. Elation 22.  
Top range and herd bull prospects.

**WAITE BROS., Winfield, Kansas**

**Dual-Purpose CATTLE**

**DISPERSAL  
of Registered Red Polled Cattle**

**Monday, July 21, 1952**

at 1:00 P. M. Central Standard Time  
At the farm, 4 miles east, 2 miles south and  
1/2 mile east of Buhler, Kan.; 6 miles north  
and 1/2 miles west of Burrton, Kan. 17 miles  
south and 1/2 miles west of McPherson; 20  
miles northeast of Hutchinson. 1 Herd Bull.  
12 Mature Cows. 2 2-year-old Bred Heifers.  
12 1-year-old Open Heifers. 4 Short-age Bulls.  
Herd now on DHA test also winners of show  
records. Guest consignor: J. E. Leppke,  
Penelope, Kan., is consigning 2 Bulls ready  
for service.

**Owners: Erwin Siemens and  
Herman Siemens**  
Buhler, Kansas

**REG. MILKING SHORTHORN**

Bulls and Heifers sired by Ark Val Styliah Star  
and Ark Val Choice Master. Bulls to serviceable  
age, heifers open and bred. Several cows.  
**ARK VAL HERD, Henry C. Stunkel,  
Belle Plaine, Kansas**

**HOGS**

**KNELL'S**

**DUROC Bred Gilt Sale**

Will be held at the Baker Sales Pavilion  
on highway 71 at south edge of

**Carthage, Missouri**

Time 1:30 P. M. on

**Thursday, August 7**

60 Bred Gilt—To farrow in September. Gilt  
bred to and sired by these boars that have  
proven themselves in our herd—Perfect Lad  
A—Velvet Blend—Heavy Set Fancy. These  
are medium type Durocs. Offering vaccinated  
for cholera.

For sale catalog write to  
**ED KNELL & SONS, Carthage, Mo.**  
Auctioneer—Bert Powell

**REG. SPOTTED POLAND CHINA  
SOWS AND GILTS**

Bred to farrow in August and September.  
Double immune. Farm located 6 miles south  
and 1 mile west of Ness City.

**Walter Rothe**  
Ness City, Kansas

**REG. SPOTTED POLAND CHINAS**

Choice spring boars & gilts with plenty of length,  
deep sides, deep full hams. Sired by Kansas  
Model and Majestic Duke. New bloodlines and  
unrelated pairs. Double immune. 4 1/2 miles North  
J. V. CUNDIFF & SONS, TALMAGE, KANSAS

You are invited to attend the  
Kansas Spotted Poland China Breeders Assn.  
**FOURTH ANNUAL PICNIC**  
Basket Dinner at Noon—Bring Your Family  
**SUNDAY, JULY 27, 1952**  
Eisenhower Park, Abilene, Kansas  
Walter Rothe, Pres., Ness City, Kan.  
H. E. Holliday, Sec.-Treas., Richland, Kan.





## In the Field

**MIKE WILSON**  
TOPEKA, KANSAS  
Livestock Editor

The KAW VALLEY HEREFORD ASSOCIATION TOUR will be August 13. Tentative plans are to tour Pottawatomie and Wabash counties. Officers of this association are: Earl Moyer, Manhattan, President; Paul Hartwick, Onaga, vice-president; Wendell Moyer, Manhattan, secretary-treasurer.

Three registered Jerseys in the herd owned by MRS. JAMES E. BERRY, Ottawa, recently were classified under a program of the American Jersey Cattle Club. All 3 animals were classified Good Plus—in a class for females who have had at least one calf and bulls over 2 years old.

Just received the Milking Shorthorn Echoes, official publication of KANSAS MILKING SHORTHORN SOCIETY. It states Friday, August 8, is date chosen for annual State Picnic and Field Day, to be held at the Retnub Farms, Geneseo, owned and operated by Joe Hunter. Joe extends you all an invitation to attend.

The SOUTHWEST KANSAS HEREFORD TOUR will be August 11 and 12. Present plans are to visit herds in Seward, Stevens, Grant, Kearney and Finney counties. Those on the tour committee are: Ralph Deewall, Coldwater; O. P. Williams, Ulysses; Bob Arbuthnot, Liberal; Leon Scheuerman, Deerfield; and Herman Westmeyer, Dodge City.

ERWIN THALMANN, of the Thalmann Stock Farm, Haven, and Bob and A. J. McCurry, Sedgwick, recently purchased Happy Acres Eileenmere 70th, a new herd sire, for \$20,000. This Angus bull is a son of Homeplace Eileenmere 687, the \$50,000 son of Eileenmere 487. Happy Acres Angus farm is owned by Myrick & Son, Stanberry, Mo.

ELK COUNTY LIVESTOCK BREEDERS have scheduled their annual tour for Thursday, July 24, according to John Maxwell, county agent. As usual a barbecued lunch will be served at noon. This tour will start on Main Street in Moline at 8:30 A. M. to tour livestock farms in Southwestern Elk county. Everyone should attend this tour and enjoy the friendly hospitality of Elk county breeders.

Our office recently has received word of the death of a co-worker and good friend of every person in the livestock world. GUY E. SMITH, better known as "Smitty," an outstanding livestock photographer, passed away on July 4, at his home in Kansas City, Mo. He spent his entire life working among the purebred breeders throughout the United States. His familiar signature appears on practically all sale pictures and in most every livestock ad. He will be greatly missed by all of us who worked with him.

A Gold Star Herd award has been made to JOHN C. OSWALD, Hutchinson, on his herd of registered Jerseys, by the American Jersey Cattle Club. The award is in recognition for unusually high production over a 4-year period. Last year, 24 cows had an average production of 7,249 pounds milk containing 408 pounds butterfat. Over the past 4 years Mr. Oswald has had an average of 17 cows in his herd producing 7,854 pounds milk containing 450 pounds butterfat a piece. The Oswald herd average is more than 2 times greater than that of the "average" dairy cow in the United States.

I have word from RAY SAYLER, secretary of Kansas Poland China Breeders Association, saying this group will hold their annual picnic at the C. R. Rowe & Son farm, near Scranton, July 27. A basket dinner will be served at noon. C. W. Mitchell, new secretary of the National Poland China Record Association, will be present and will present some interesting remarks.

It is very likely several other officers of the National Association will attend. Those interested in this breed should not fail to attend, besides enjoying the meeting and looking at good Poland Chinas, we are sure you will certainly enjoy the Rowe hospitality.

Recent sales reported by the Walnut Valley Hereford Ranch, owned and operated by WAITE BROTHERS, BOYD and KENNETH, Winfield, are as follows: WVHR Domino Lad, their first son of Domino Lad KTO 111, an outstanding son of Domino Lad C 14th, sold to Helling & Schuler, El Dorado, for \$10,000. This same farm also purchased 3 daughters of Domino Lad KTO 111 and a daughter of OJR Jupiter Star 12. This firm sold bulls to the following buyers: O. H. Paxon, Columbus; Robert Kerr, Cheney; Orville Brooks, Wellington; Jim Perkins, Howard; Clay Smith, Jr., Cambridge; Jim McCullough and Dale Lukens, Medicine Lodge; L. L. Kittleson, Winfield, and Eugene Rhodes, Wellington. It is a pleasure to visit the Walnut Valley Hereford Ranch and inspect their fine herd of cattle.

## Public Sales of Livestock

- Aberdeen-Angus Cattle**  
October 22—Blackpost Ranch, Olathe, Kan.  
September 27—Black Ridge Stock Farms Pasture to Profit Sale, Wayne Ukena, Sale Manager, Everest, Kan.  
October 29—Kansas Breeders' Association Sale, Hutchinson, Kan. Don Good, Sale Manager, Manhattan, Kan.  
December 8—Annual Commercial and Purebred Sale, Dodge City, Kan. Chester I. Bare, Sale Manager, Protection, Kan.  
**Ayrshire Cattle**  
October 17—Kansas Ayrshire Breeders Production Sale, Hutchinson, Kan.  
**Brown Swiss Cattle**  
August 4—Rocky Mountain Brown Swiss Association Sale, Island Grove Park, Greeley, Colo.  
August 5—Don Townsend Dispersion, Fort Morgan, Colo.  
October 15—Tri-State Brown Swiss Association, Topeka, Kan. Ross Zimmerman, Sale secretary, Abbyville, Kan.  
**Dairy Cattle—All Breeds**  
September 15 & 16—M.F.A. Artificially sired female sale, Springfield, Mo. J. Warren Nordyke, Manager.

**Guernsey Cattle**  
October 21—Kansas Guernsey Breeders' Association, Hutchinson, Kan. C. J. Graber, Secretary, Newton, Kan.

**Hereford Cattle**  
September 3—Chas. and Mary Condell Dixon, Leon, Kan.  
September 5—Lull Hereford Farms, Smith Center, Kan.  
September 11, 12 and 13—L. L. Jones & Son Dispersion, Garden City, Kan.  
September 16—Clyde E. Holman Registered Hereford Herd Reduction Sale, Richmond, Mo.  
Donald J. Bowman, Sales Manager, Hamilton, Mo.  
September 18—Fritz Kerbs & Sons, Otis, Kan.  
September 27—O'Bryan Ranch Annual 4-H and Hereford Calf Sale, Hiattville, Kan.  
September 29—John W. Spencer, Straight Creek Farms, Whiting, Kan. Sale at Marysville, Kan.

October 2—Wendell Intermill, Mankato, Kan.  
October 3—Frazier Hereford Farm Production Sale, Stet. Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
October 5—North Central Kansas Hereford Breeders Show and Sale, Belleville, Kan. George C. Wreath, Sale Manager, Belleville, Kan.

October 6—Hiland Stock Farms, Superior, Nebr.  
October 6—Melvin Schlemmer, Owner.  
October 6—Beeks-Cleland, Baldwin, Kan.  
October 9—Jim Riffel, Junction City, Kan.  
October 9—Belly Acres Ranch, Paxico, Kan.  
October 18—CK Ranch, Brookville, Kan.  
October 21—Twin Oak Farm, Moundridge, Kan.  
October 25—Belden & Scheutz, Horton, Kan.  
October 28—O'Bryan Ranch Annual Polled Hereford Sale, Hiattville, Kan.  
October 30—Flint Hills Association, Cottonwood Falls, Kan.

October 31—Ely Hereford Ranch, Attica, Kan.  
November 1—K Sale, Hutchinson, Kan.  
November 6—Lincoln County, Sylvan Grove, Kan.

November 7—Cowley County Hereford Breeders' Association Sale, Arkansas City, Kan. Charles H. Cloud, Sale Manager, Winfield, Kan.

November 11—Tonn & Fishburn, Haven, Kan.  
November 11—Solomon Valley Hereford Sale, Osborne, Kan.  
November 12—Central Kansas Polled Hereford Sale, Herington, Kan.

November 18 and 19—Sunflower Futurity, Hutchinson, Kan.  
November 21—Golden Willow Polled Hereford Sale, Pittsburg, Kan.

November 24—Summer County Hereford Breeders' Association Sale, Wellington, Kan. Paul M. Philippi, Secretary-Treasurer, Argonia, Kan.

November 25—Frank Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma.

December 5—South Central Kansas Hereford Association, Newton, Kan. Phil H. Adrain, Sale Manager, Moundridge, Kan.

December 6—A. R. Schlickau & Sons, Haven, Kan.  
December 10—B-K Herefords, Longford, Kan. Sale at Minneapolis, Kan.

**Polled Hereford Cattle**  
September 20—Ducy & Kilmer, sale at Hebron, Nebr.

October 20—Cowgill Polled Hereford Ranch, Milan, Mo.  
November 14—Mid-West Polled Hereford Association Show & Sale, Deshler, Nebr. Fred C. Ducy, Manager, Chester, Nebr.

**Holstein Cattle**  
July 23—Leonard Kuhlman, Wells, Kan.  
October 8—Kansas State Holstein Association Sale, Herington, Kan. R. L. Evans, Hutchinson, Kan. Chairman State Sale Committee.

October 23—Central Kansas Breeders Fall Consignment Sale, Hutchinson, Kan. T. Hobart McVey, Sale Manager, Nickerson, Kan.

October 27—North Central Kansas Holstein Sale, Washington, Kan. Earl N. Phillips, Chairman, Manhattan, Kan.

October 28—Nebraska State Holstein Association Sale, Lincoln, Nebr. Robt. Koehler, Fremont, Neb. T. Hobart McVay, Sale Manager, Nickerson, Kan.

**Jersey Cattle**  
September 1—Missouri Jersey Cattle Club, St. Joseph, Mo. Ivan N. Gates, Sales Manager, West Liberty, Iowa.

**Red Poll Cattle**  
July 21—Dispersion Sale, Edwin Siemens & Herman Siemens, Buhler, Kan.  
September 24—G. W. Locke, Burns, Kan.

**Shorthorn Cattle**  
August 26—Earl E. Stoffer, Abilene, Kan.  
October 31—Mid-Kansas Shorthorn Breeders Show and Sale, Salina, Kan. Mervin Aegerter, Sale Manager, Seward, Nebr.

November 6—State Polled Shorthorn Sale, Hutchinson, Kan.  
November 7—State Shorthorn Sale, Hutchinson, Kan.

**Hampshire Hogs**  
October 21—C. E. McClure, Republic, Kan. (night sale), Belleville fairgrounds.

**Poland China Hogs**  
October 20—C. R. Rowe & Sons, Scranton, Kan.

**Sheep**  
August 11—Annual August Hampshire and Suffolk ram and ewe sale, Beau Geste Farms, Oskaloosa, Ia.

**Hampshire Sheep**  
August 4—Northwest Missouri Hampshire Sheep Association, St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

## TREND OF THE MARKETS

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

	Ago Week	Ago Month	Ago Year
Fed Steers	\$35.00	\$33.25	\$38.75
Hogs	22.25	21.00	23.80
Lambs	30.50	28.50	32.00
Hens, 4 to 5 lbs.	.19	.17	.27
Eggs, Standards	.41½	.37	.42
Butterfat, No. 1	.65	.61	.62
Wheat, No. 2, Hard	2.34½	2.37	2.54½
Corn, No. 2, Yellow	1.93½	1.90½	1.78½
Oats, No. 2, White	.91	.90½	.97½
Barley, No. 2	1.34	1.34	1.31
Alfalfa, No. 1	34.00	31.00	—
Prairie, No. 1	30.00	25.00	—

## • AUCTIONEERS • BERT POWELL

AUCTIONEER  
LIVESTOCK AND REAL ESTATE  
1529 Plass Avenue Topeka, Kan.



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

# CLOSING OUT SALE

WILL SELL

Cattle, Complete Line of Farm Machinery and  
160-acre Improved Farm

## WEDNESDAY, JULY 23rd

10:30 A. M.

LEONARD KUHLMAN, WELLS, KANSAS  
10 miles east of Minneapolis, Kansas

31 Head Holsteins  
4 two-year-old grade Holstein Heifers fresh  
25 two-year-old grade Holstein Heifers due in October  
1 Registered 2-year-old Holstein Bull from 500-lb. dam  
1 Registered Holstein Bull Calf

FARM MACHINERY  
John Deere Field Chopper and Blower complete with wagons  
2 Tractors  
2 Plows  
1 Combine  
1 One-Way  
16/8 Van Brun Drill

160-ACRE CREEK BOTTOM FARM

Carl A. Reh, Owner, Bennington, Kansas

Located 10 miles east of Minneapolis on county road.

8-room bungalow with basement and bath, electricity and good water. Barn, granary, chicken houses and garage. New Dodson silo. 80 acres of crop land; 80 acres in pasture. Possession given immediately. Land sale between machinery and cattle.

★ ★ ★ COLORADO ★ ★ ★

## REGISTERED BROWN SWISS SALES

★ August 4—ROCKY MOUNTAIN BROWN SWISS ASSN. SALE

At 12 noon, Island Grove Park, Greeley, Colo.

SELLING 40 HEAD of cows, bred heifers and bulls, selected for type and production from Colorado's top herds. For information and catalog write FRED SUSSEX, Sale Manager, Fort Morgan, Colo.

★ August 5—DON TOWNSEND DISPERSION

At 12 noon, at the farm 2 east & 1½ miles south of Fort Morgan, Colorado

SELLING 55 HEAD of choice Swiss cattle, 27 producing cows, 7 bred heifers, 3 open heifers, 4 bulls, 5 bull and 9 heifer calves. . . 20 direct descendants of Jane of Vernon 5th. Many cows over 600 pounds butterfat.

Herd sire, a son of Royal's Utmost of Lee's Hill. Three year herd average (1949-51) is 474 pounds fat. One of the state's top herd in both type and production.

Write for catalog to DON TOWNSEND, Fort Morgan, Colo.

Auctioneer for both sales—C. E. Reed, Fort Morgan



## Attention RED POLL BREEDERS

FIFTH ANNUAL PICNIC

WEDNESDAY, AUGUST 6, 1952

at City Park, NEWTON, KAN.

Basket dinner at noon

Bring your friends, meet our National Secretary, F. A. SLOAN from Lincoln, Nebr.

## 20 Polled Hereford Bulls



Sired by polled sons  
of C. K. Cadet

Bloodlines intensely polled from 40 years of constructive breeding. 12 months to serviceable-age bulls offered. Priced reasonably.

GOERNANDT BROS.  
Ames (near Concordia), Kansas

## Sunflower Farms ANGUS



Herd Sires:

Ever Prince Revolution 2nd  
Homeplace Eileenmere 304th.  
Ever Prince of Sunflower.

Cattle of both sexes for sale at all times. We have bred and sold some of the top winners and selling cattle at the larger shows and sales throughout the country. When in need of good breeding stock pay us a visit.

Sunflower Farms, Everest, Kansas  
Jim, Keith and Bob Swartz, Owners

Featuring these top herd sires.

CK CRUSTY 70TH

bred by CK Ranch, Brookville, half-brother to 1951 American Royal Champion.

CK ROYAL DUKE 3RD

bred by CK Ranch

P. ROYAL DUKE 7TH

bred by Parcel Herefords, Coldwater, grand champion bull at the 1948 Kansas State Sale. A number of his heifers are being retained in the herd.

Visitors are welcome to see the Get and Service of these bulls.

STRAIGHT CREEK FARMS, Whiting, Kan.  
JOHN W. SPENCER, Owner

## Livestock Advertising Rates

Effective February 1, 1951

½ Column inch (5 lines) . . . \$3.50 per issue  
1 Column inch . . . . . \$9.80 per issue  
The ad costing \$3.50 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

MIKE WILSON, Livestock Editor  
912 Kansas Avenue  
Kansas Farmer - - Topeka, Kansas

# Here Is Low-Cost Advertising! ONLY 10c A WORD

Kansas Farmer has 118,311 subscribers, and reaches an average of over four out of every five farm homes in the state. It is printed twice each month on the first and third Saturday. The Classified rates are:

Regular Classified—10c a word (12 words Minimum)

Display Classified—\$9.80 a column inch

\$4.90 a half inch

(Black Face Type used in these ads but no cuts)

Mail Your Ad to

## KANSAS FARMER

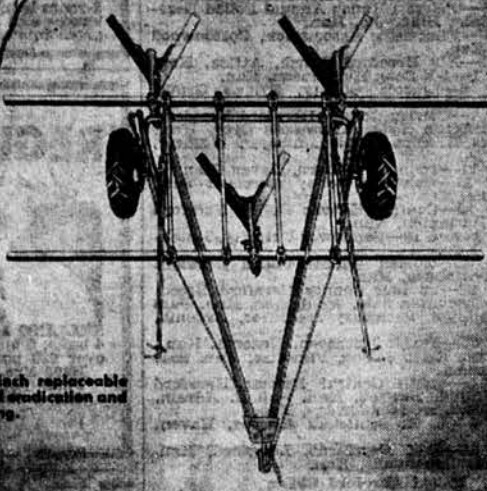
912 Kansas Avenue

Topeka, Kansas

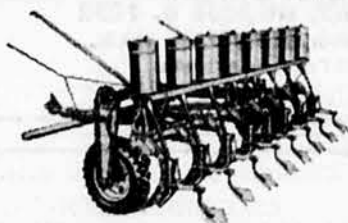




**LOOK! THERE IS AN MM IN YOUR HANDS!**



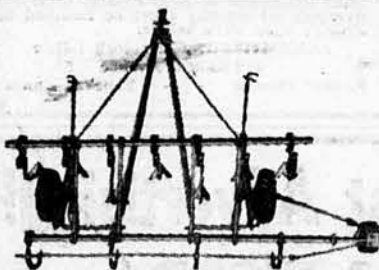
Remember: MM originated the idea of mounting more than one implement on a carrier with a square tool bar hitch—the Uni-Carrier with tools attached becomes the Uni-Tiller.



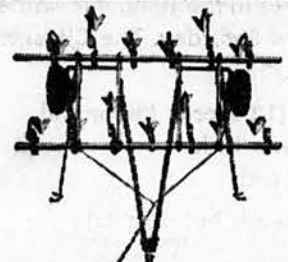
QM Wheat Lister Seeder mounted on QM Uni-Carrier is adjustable as 6-, 7- or 8-row machine.



Simple, sturdy chain drive for Lister Planter gives you dependable, trouble-free performance year after year.



Red weeder mounted on Uni-Carrier is available in 12 or 15 ft. sizes. It revolves at an even depth, destroying all weeds. Uni-spring teeth can be mounted on front tool bar if desired.



QM double tool bar Uni-Carrier with Uni-spring teeth. Ideal for orchards and general field use. Choice of 7, 9, 13, or 15 teeth with shovels or sweeps.

## IN YOUR HANDS *any* MM PRODUCT can be a **PROFIT BUILDER. LOOK AT the new QM UNI-CARRIER with DOUBLE TOOL BARS—A PERFECT EXAMPLE!**

When you were a youngster, did you ever cup your hands like the man above and notice the "M" that forms in each palm? Today, another "MM" in your hands—quality-built, longer-lasting MM farm machinery—can be a profit builder . . . and the MM Uni-Carrier is a perfect example of MM advanced design that pays off for you. Remember, more than 30 years ago MM originated the idea of putting more than one implement on a carrier—the Uni-Carrier with tools attached becomes the Uni-Tiller.

### THE UNI-CARRIER SAVES YOU MONEY

When you own an MM Uni-Tiller, you eliminate the cost of extra frames, wheels, levers. You buy just one Uni-Carrier and the Uni-Implements that you need. Tools clamp onto the Uni-Carrier double tool bars to form a rigid, rugged machine unit. The 2 1/4 inch square tool bars serve as part of the frame and are available in lengths from 92 inches to 184 inches. Double power lift permits one side to be raised independently from the other.

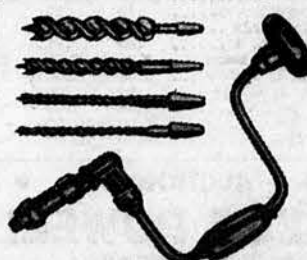
The Uni-Carrier fits all tractors. It allows you to equalize the machinery load to fit the power of your tractor, to change farming methods quickly to meet seasonal or special crop demands. The Uni-Tiller is unequalled for contour farming and all soil conservation practices. Ideal for orchards and specialized farming . . . a money-saver, a money-maker on *every* farm.

### The Brace and Bit Comparison

A carpenter doesn't buy a BRACE for every BIT used in his work. If he did he would spend a lot of money uselessly, and have an extra chest or two of tools to carry around. The UNI-CARRIER may be considered the AGRICULTURAL BRACE and the various tools are the AGRICULTURAL BITS—and you buy only those you need. You get away from paying for a lot of extra frames, levers, wheels, power lifts, etc. The Uni-Tiller lowers your equipment costs, gives you an easy-to-handle, sturdy unit.

### YOUR MM DEALER HAS THE FACTS!

See your MM Dealer. Ask him about the 11 different MM tools for Uni-Tiller farming. Discover how much you can save when you Uni-farm the MM way.



Quality Control in MM FACTORIES ASSURES DEPENDABLE PERFORMANCE IN THE FIELD

**MINNEAPOLIS-MOLINE**  
MINNEAPOLIS 1, MINNESOTA

## HOW YOU CAN CUT EQUIPMENT COSTS BY MM UNI-FARMING

MM Uni-Tiller gives you single-unit advantages at lower multi-unit costs

It's like putting money in the bank when you can slash your equipment costs and still *boost* the efficiency of your labor-saving, profit-building farm machinery.

Right today, thousands of modern farmer-businessmen are reaping those big benefits. They are actually cutting costs while they boost production with the MM Uni-Tiller.

### YOU CAN DO IT!

When you farm the MM Uni-Tiller way, you own the basic MM Uni-Carrier and then buy only the soil-working attachments you need. You own one transporting unit, the Uni-Carrier. You save the cost of additional frames, levers, wheels, power lifts, etc. You get a solid, rugged unit that is easy to handle, easy to mount and dismount.

### THESE FEATURES MEAN PROFITS FOR YOU!

1. You can equalize load to tractor power. There is no greater waste than running a tractor at less than capacity or overloading it. If you have a large and small tractor, you can make the Uni-Tiller load fit whichever tractor you are using.
2. After paying for the first Uni-Carrier, you save the cost of as many sets of frames, power lifts, levers, wheels, axles and hitches as the separate Uni-Tools you buy.
3. You can quickly change methods of farming to suit seasonal weather or switch from one crop to another.
4. The Uni-Tiller fits any tractor, crawler or wheel type.
5. You get unequalled economy in cost, freight, replacement, use, upkeep, power, time, land, labor, investment, storage, taxes, insurance, and depreciation.
6. The Uni-Tiller multiplies the adaptability of different implements to different crops, seasonal changes, different localities and ways of farming. It makes new tools and combinations of tools possible and practical.
7. The Uni-Tiller vastly increases the number and variety of farm operations possible by adjusting the Uni-Tools on the tool bar.
8. A depth regulation lever is used for each wheel. The QM handles easily.
9. Double lift overcomes wheel slippage in difficult soil conditions. Separate rope trips on each powerlift enable you to raise either side separately.
10. Adjustable drawbar hitch assures uniform work. Rugged all-steel 2 1/4" tool bars for the QM are regular equipment in 148-inch lengths. 92-, 128-, and 184-inch lengths are optional.
11. Tool-bar clamps, the heart of the Uni-Tiller, are quickly and easily attached to form a completely rigid UNIT of Uni-Carrier and Uni-Tools. This arrangement permits addition or subtraction of load to conform to power, and allows for ranges of adjustment and offsetting of tools never before possible.

SEE YOUR MM DEALER! ASK HIM TO SHOW YOU THE COMPLETE SELECTION OF UNI-TOOLS BUILT TO HELP YOU MAKE BIGGER FARMING PROFITS!