

# Kansas Farmer



CHECKING HIS BOOK with Mrs. Rariden is Quentin Kubin. All association members' records for 2 years back are carried in truck for checking on at any time.



FAMILIAR SIGHT in McPherson county is this traveling testing laboratory that eliminates all objections to testing. Idea is that of Ray Loder, driving. He is being assisted part time by Mrs. Maxine Rariden, shown in cab.



INSTEAD OF CARRYING his equipment into dairy barn Loder does all testing work in truck. Two herds are tested daily and Mr. Loder stays in town nights.

## Cow Testing On Wheels

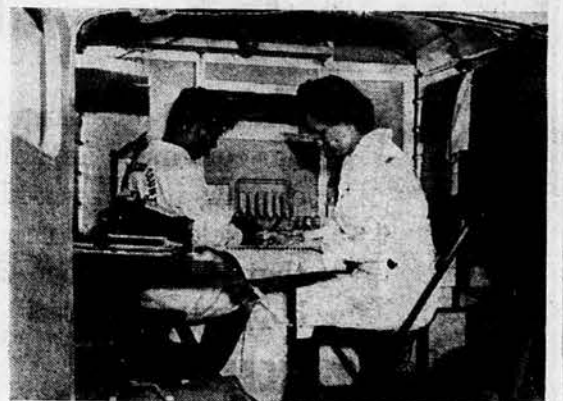
**Panel delivery truck turned into traveling laboratory ends many problems for McPherson County Dairy Herd Improvement Association members**

**N**O MATTER how much you dairymen favor cow testing, there must be times when having a tester visit your farm is an inconvenience. Or, perhaps, you would like to join a cow testing association but you just don't have that spare room in your home. Well, the average tester has his side, too. He can't live too normal a life when he has to sleep in a different place every night. You know from experience testers are not easy to find and not easy to keep.

So, you will be glad to hear someone has come up with the answer. He is Ray Loder, tester for the McPherson County Dairy Herd Improvement Association. His idea? A traveling laboratory.

It is as simple as that. Mr. Loder bought a panel delivery truck of the type commonly used for city merchandise deliveries. In the back of this truck he put all equipment he needs to do testing work. "I use the Babcock method of testing," he says. His equipment includes a centrifuge, test tubes, sample kits, field kits, pan for water, a heating element to heat water, a shelf for

[Continued on Page 23]

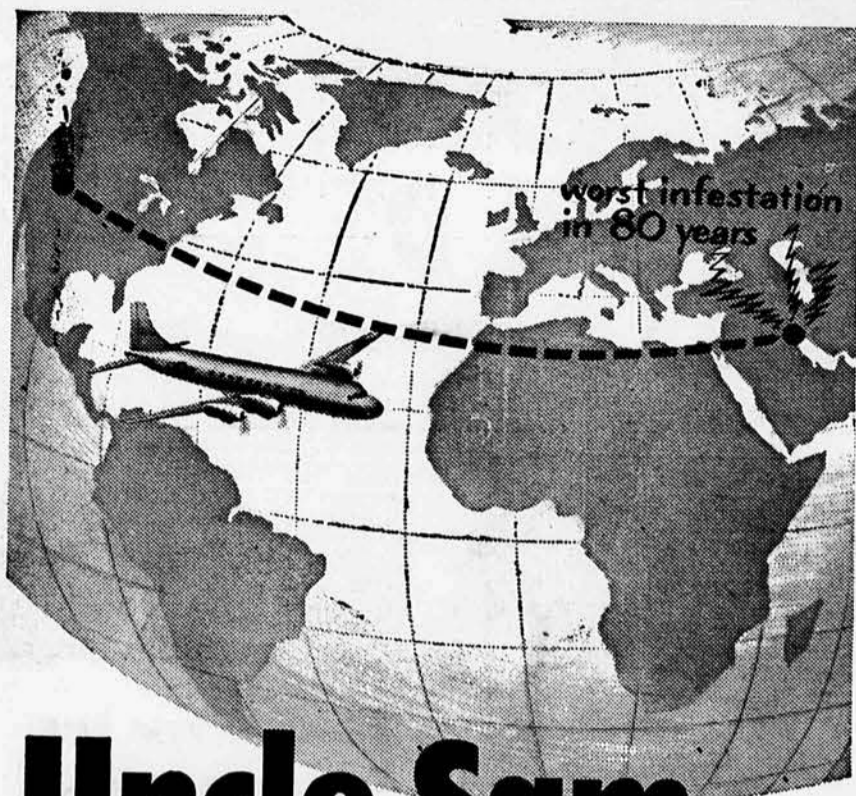


BOOKS ARE BROUGHT up-to-date by Mrs. Rariden & Mr. Loder does testing. There is no need to enter farm house during testing period.

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- Our Traveling 4-H'ers.....Page 8
- When You Freeze Peaches.....Page 18

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## When Your Child Goes To School

By CHARLES H. LERRIGO, M. D.

"School is one of the great adventures of a child's life," writes a celebrated educator. It also is one of the great hazards. Daily contact with other children well-mannered or rowdy, diseased or healthy, is bound to be reflected in their young lives. You can't bring your children up so tenderly as to avoid all the evil things of life. They are bound to meet and learn how to escape hazards.

Some things you can do in their early nurture and training are discussed in my special letter, "When Your Child Goes to School." Anyone desiring a copy should send a request with an envelope addressed to himself and bearing a 3-cent stamp, to Doctor C. H. Lerrigo, Kansas Farmer, Topeka. No copies can be sent unless the stamped envelope is received, please.

## Wet Weather Diseases That Bother Wheat

By CLAUDE KING, Kansas State College  
Extension Plant Pathologist

**M**ANY wheat fields in all sections of Kansas were attacked by various wet weather diseases. Extent of damage depends upon extent disease organisms worked into plant tissue. Bacterial black chaff was extensive this year and caused rotting to the extent of from slight to considerable damage. Following is a brief on some of the diseases occurring in Kansas this year:

1. **Basal glume rot:** This is a bacterial disease which characteristically causes a chocolate-brown rotting at the base of individual spikelets (a spikelet is one of the clusters of 2 or 3 kernels including chaff and awns on the head stem). It may be severe enough to cause extensive shriveling and sometimes rotting of individual spikelets. It may or may not spread to other spikelets. There is no sure control but since the disease lives over in old refuse and on the seed, crop rotation and Ceresan seed treatment help. Seed from a badly infected field should not be used for seed; however, if weather is not wet the next spring the disease may not show up even if infected seed is used.

2. **Bacterial black chaff:** This has caused much of the chocolate-brown streaking and spotting on heads. It also gets on stems and leaves. It even spots awns at times. Sometimes it is severe enough on the peduncle just below the head to seriously interfere with food and water passage to the head. This may reduce size of kernels or cause shriveling. In some cases the disease may be severe enough to cause rotting of heads. Control is the same as for basal glume rot.

3. **Wheat and barley scab:** This is a blighting of individual spikelets. The causal fungus produces a pinkish discoloration on glumes. Same control as basal glume rot only it also lives on corn. Lives over on old plant refuse and spores are carried about by wind. Crop rotation helps some years.

4. **Glume blotch:** This is a fungus disease which sometimes attacks heads. It is gray in appearance. Control is the same as for basal glume rot.

5. **Saprophytic mold:** On wheat which has drowned or been killed by some means a black coarse mold often gets on dead heads and other dead tissue. This mold had nothing to do with killing the wheat plants.

6. **Take-all foot rot:** Causes a rotting of roots and blackish-brown or black color just above roots on stem proper. Often occurs as light circular patches in fields at heading time but may affect individual plants here and there. Attacks wheat, barley, rye and some wild grasses. Control is crop rotation leaving out these crops for at least 3 years. Good fertility including adequate phosphate helps reduce damage.

7. **Western foot rot:** Causes a rotting in the stem crown which is the region where roots are attached to stem. Sometimes only interior of the crown is affected. Plants die prematurely, often after heading. Control is delayed planting ranging from after September 15 at the north line of Kansas to after October 10 at the south line. This disease occurs chiefly in Western Kansas.

8. **Leaf rust and stem rust:** These produce definite pustules so red powdery spores can be easily removed from

the pustules. Both produce red spore first and later black spores. Black spores of the stem rusts of both wheat and oats go to a kind of barberry bush but the black spore stage of the leaf rusts has no alternate host in the United States. All black spores cannot directly infect cereals.

### Test for Leaf Rust

A general way to tell leaf rust on stems from stem rust is to rub over the area of pustules with the finger. If it scratches it is stem rust and if smooth it is leaf rust. Sometimes a few stem rust pustules will get on the leaves. They usually cut clear thru the leaf while leaf rust spores do not. A present dust is not a problem this year because of the small amount of infection at this time. The reason rust has been slight is probably because of the dry weather this spring in Texas.

### Change Dates for Flint Hills Tour

Dates for the 1951 tour of the Flint Hills Hereford Association have been changed by the tour committee to Monday and Tuesday, July 23 and 24. The event was scheduled for July 9 and 10, but weather problems forced the change.

The tour will start at the Allen Engler and Sons Ranch, south of Topeka (1 mile west of Pauline), with a chuck wagon breakfast. Noon luncheon will be served at the Kansas State College campus, and a night meeting will be held in Abilene. For room reservations contact George W. Thompson, Welsh Hereford Farm, Abilene. Second morning the tour will start with a breakfast meeting at the Bob White Hereford Farm, Enterprise. A noon luncheon will be served at Moxley Hall Hereford Ranch, Council Grove. Complete tour arrangements will be announced later.

### Senator Capper on Radio

Every Sunday afternoon at 12:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

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# GRAIN DRILLS



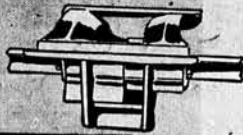
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THAT HOLD ALMOST A  
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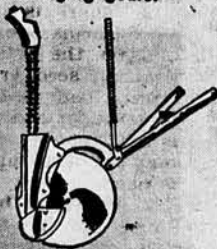
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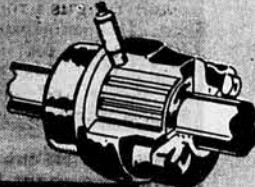


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giving uniform  
depth.



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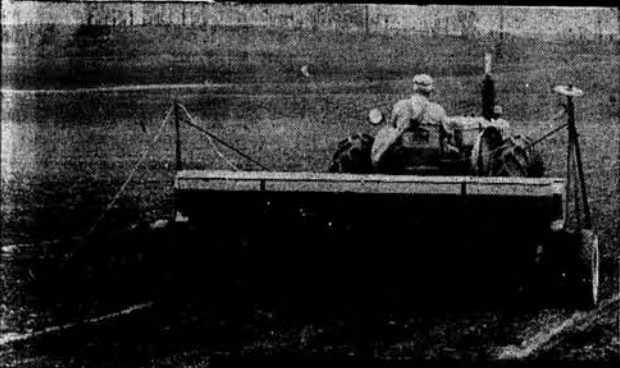
Front of bearing deli-  
very with close  
spaced double-disc  
openers. Seed is  
carried downward  
and evenly deposited  
in two rows at bottom  
of furrow.



MM press wheel drill  
packs soil firmly to hold  
moisture.



MM deep furrow and  
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protecting ridges.



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makes a fertilizer drill  
out of standard MM drill.



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3. MM deep-furrow method builds protecting ridges.
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# MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA



You can scarcely believe your eyes when you see . . .

## What Chemical Brush Killers Can Do

**H**OW would you like to clear out a hedge fence row without aid of a big bulldozer? Or would you like to clear willows out of your drainage ditch or stream without cutting them? Wouldn't it be nice to be rid of those pesky hedge trees in your pasture? Perhaps it is buckbrush or sumac that is giving you trouble. Does the idea of converting brushy land to productive pasture with little labor appeal to you?

These are some things that can be done with chemical brush killers. Today, improved chemicals are really effective on brush. Following treatment, dead brush quickly rots and deteriorates. Insects attack the roots. You can scarcely believe your eyes as you pull hedge trees out of the ground by hand, or when a quick jerk pulls out buckbrush by the handfuls. Small, light brush simply seems to disappear in a short time after being treated. Bigger trees literally begin falling apart, branches become brittle, bark peels off and within a few years the tree is easily uprooted.

For some years an easy way has been sought to rid pastures of brush and timber and to keep it free from sprouts. Actually, there was no easy way—the fight against brush called for plenty of hard work.

### It's the "Easy Way"

Chemical control of brush now appears to offer the "easy way." There is still much to be learned, but it already is obvious Kansas farmers can greatly profit from chemical control, just as they have made weed control work.

We don't believe anyone would want to clear our state of all trees. The right trees in the right place are a valuable asset. We are in sympathy with agencies that insist certain areas should be left with a natural cover of trees and wild plants not alone for beauty but for preservation of wildlife, also.

However, many Kansas farms are plagued with brush growing where it is not wanted. Fence rows grow rank and sap soils of adjoining fields; drainage ditches and streams become clogged with unwanted young trees; pasture land is gradually infested with "weed trees" that crowd out grass. These are examples of unwanted brush. In some areas, hedge trees are ruining pastures. With brush removed, some lime and fertilizer added, much land can be made productive.

But here we want to discuss how to treat brush with chemicals. As soon as

the weed killer 2,4-D was introduced to kill weeds growing in pastures and in crops, efforts were started to kill brush, too. Naturally, brush is more difficult to kill. Early efforts were only mildly satisfactory. Later, 2,4,5-T, a more powerful chemical, was developed, and it is this material that has made brush killing practical. This chemical is a "near relation" of 2,4-D.

Another improvement in these chemicals has been to produce both 2,4-D and 2,4,5-T that are low in volatility by using material much like our permanent anti-freeze solutions. This has made it possible to control killing of weeds and brush to limited areas—there's not so much danger of drift. And when these 2 chemicals are mixed they complement each other. Where one fails to kill a certain sprout or tree, the other comes thru for the knockout blow.

Are you confused about the various forms of these chemicals? Do the terms "esters" and "amine salts" mean anything to you? While knowledge of these terms may be helpful, actually reliable companies now sell their products as "brush killers." Brush killers should either contain mixtures of 2,4-D and 2,4,5-T or 2,4,5-T only.

### Ask for Chart

Manufacturers now publish charts that show you just what material is needed to do the job. It must be remembered chemicals should be purchased to do just what you want—all weed and brush killers are not alike. (If you want a chart just write Kansas Farmer at Topeka, and we'll see that you get such a chart promptly.)

In comparing costs of various chemicals, you should compare costs per pound of actual 2,4-D or 2,4,5-T. A weed-control booklet states: "The label on the container should state the weight of actual 2,4-D acid in the container. Divide the weight of actual 2,4-D acid in pounds into the cost in order to arrive at the actual cost per pound."

The cheapest product by the gallon actually may be the most costly.

In actual spraying there are 4 general methods. Use any of these to fit your problem. There is the foliage spray, applied after brush is completely leafed out; there is the dormant spray applied during winter; stumps may be sprayed most any time; and there is the basal spray that can be used any time but actually works best

(Continued on Page 22)



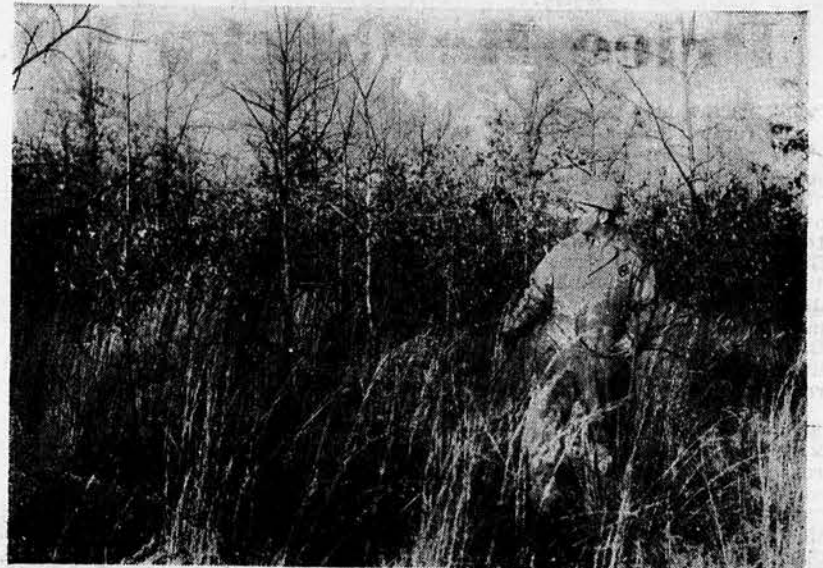
**BIG TREE**, a cottonwood, was sprayed last summer with basal application. Already the tree is falling apart and H. L. Bryan, Kansas City, shows how the bark on this tree on his Linn county farm is falling off. Insects attack dying trees immediately.



**STUMP SPROUTS** can be killed by spraying with brush killer. Average is 6 sprouts to every stump cut. This close-up of a stump in Linn county shows typical rotten appearance of chemically-treated wood.



**TREATED BRUSH** in fence rows can be easily pulled out of the ground, and hedge ordinarily is a tough customer.



**BRUSHLAND** like this can be found quite often in Eastern Kansas. Can land like this be made into productive pasture again? Chemical sprays seem to offer the most practical solution for this problem.



# Farm Matters

## AS I SEE THEM

AS I SEE it, the difference between a 32-foot flood stage on the Kaw at Topeka, and a 37-foot stage, is the difference between dikes for protection, on the one hand, and dams and reservoirs such as Tuttle Creek on the Blue, Milford on the Republican, and other dams and reservoirs to hold back disastrous floodwaters until flood dangers have passed. I am using the Kaw Valley simply as an example. The same holds true for other river valleys in Kansas that have overflowed, causing perhaps close to a billion dollars damage to industry and agriculture and householders in the last few weeks.

I have come to this decision with reluctance. The idea of putting 500 farmers off their land in the fertile valley of the Blue above Manhattan is most repugnant to me. Loss of the production of those fertile acres also is most regrettable. But the devastation wrought by the recent floods cannot be permitted to happen again, if humanly possible to prevent.

I still hold firmly to the opinion that in the long run, the true interest of the land and the people on the land, and in the cities, will be best served by impounding surplus waters nearest the point where the rain falls. Approved land and water conservation practices, contour farming and terracing, farm ponds and numerous reservoirs of smaller type than the mammoth Tuttle Creeks and Milfords and such, still will be necessary. These will be necessary not only to conserve the soil for production purposes, but also to stave off as long as possible the accumulation of silt in the large-type reservoirs.

If I could have my own way, these big dams and reservoirs would be constructed for flood control purposes, not coupled up with grandiose schemes for recreation, navigation, irrigation, and federally-controlled electric power projects.

But the plans that have been drawn all seem to call for the multiple-purpose reservoirs. Federal funds can be obtained only for multiple-purpose dams and reservoirs. Without federal funds, it is extremely doubtful whether adequate flood control projects would be constructed.

Faced with the probable alternative of a Missouri Valley Authority my advice to farmers of Kansas today is to go along with the basic provisions of the Pick-Sloan plan. It is preferable, in my judgment, to the probable alternative of the creation of a Missouri Valley Authority that would give Washington life-and-death powers over agriculture, business, industry and labor in this entire area.

My heart goes out in deepest sympathy to those whose homes have been devastated by these catastrophic floods of 1951. The task of

restoring these homes to make them livable; the slime, the mud, the stench, the back-breaking, discouraging work of getting the job done in the distressful, humid heat of July and August in these river valley homes, towns and cities, tries the souls of men and women.

But I know the people of Kansas, on the farms, in the towns, in the cities. In my 86 years I have known their fathers and mothers, their grandfathers and grandmothers. Thru three generations I have watched them meet and conquer adversity with high courage and dogged determination. The motto of Kansas, "To the Stars Thru Difficulties," has been tested and proved thru the better part of the century since white men first came to settle in the Flint Hills and on the prairies.

We will take this 1951 flood and its ravages in our stride, and do the things necessary to prevent the wholesale devastation and suffering from happening again. Another like it may not happen again in a half-century—but there is no assurance it might not come again next year, or any year thereafter. So we must prepare for the worst—and prepare also to make the best of it, whatever happens.

### Talk About Safety

I WANT to call your attention again this year, as I have in the past, to Farm Safety Week. It comes July 22 thru 28, and is sponsored by the National Safety Council, with the Kansas Safety Council co-operating. Of course, ever since 1944 when the idea was turned into practice by the National Safety Council, other farm-minded organizations have joined in wholeheartedly. They include the U. S. Department of Agriculture, National Fire Protection Association, the Farm Equipment Institute, American Farm Bureau Federation, Farmers' Union, and National Grange.

It is interesting to note what has been planned by way of observing Farm Safety Week. I have the program here. On Sunday, July 22, many churches will feature farm safety in sermons and Sunday school talks. Playlets and group discussions also are suggested. Monday, July 23, will stress home safety. That is because more farm people are injured in accidents in the home than anywhere else on the farm. I hope Kansas folks will devote part of the day at least to eliminating unsafe practices in the home.

Along comes Tuesday, July 24, with livestock the center of attention. Animals account for one out of every four farm work accidents. So

this is the day safe methods of handling livestock will get the center of the stage all over the nation. Just ask yourself whether you are careful enough around your animals.

How many falls have you had that didn't cause any damage?

How many that put you out of working condition? These accidents are up for attention on Wednesday, July 25. In the home and around the farmstead falls lead the list of mishaps. Good housekeeping around the entire farm is the theme of this day.

Are you careful when driving out of your gate onto the highway? Too many folks forget about this at the wrong time. So Thursday, July 26, is set aside to highlight the rules of safe driving and walking on highways to help reduce the toll of 6,500 rural residents killed in traffic accidents in a year.

If machinery is operated the way it should be handled, I am told, there wouldn't be much danger of accidents happening with it. So Friday, July 27, is machinery day, a time for you to check up on your safety habits with tractors and implements. No one need tell you not to stick your hand in a corn picker. You know how to operate machinery safely. But isn't it true you do take chances with machinery when you get in a hurry? Think that over July 27.

Then on Saturday, July 28, let me suggest that you review all phases of accident prevention as a means of encouraging safe practices on the farm 52 weeks out of the year. How much better it is to be safe than sorry, even if it does take a little extra time! No one is in such a hurry he must risk his life to get a job done. Your life is the most valuable thing in the world to you and your family. It is beyond measuring in dollars or other valuables.

I have a lot of figures here showing the number of accidents on farms line up in about this order: First is falls of persons, then in order accidents with machines, animals, motor vehicles, handling objects, hand tools, stepping on or striking objects, falling objects, burns or shock, sunstroke, lightning. You know what causes accidents and why they happen. You just remind your family that accidents don't need to happen. They can be prevented. I hope every farm family in Kansas will plan to observe National Farm Safety Week by talking over the subject in their homes. Then for the remainder of 1951 I hope farm accidents are as scarce as hen's teeth.

*Arthur Capper*  
Topeka.

## Price Rollbacks Likely to Be Eliminated

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

CONGRESSIONAL prohibition of any further rollbacks in beef cattle price ceilings now seems almost certain, as Congress struggles to write necessary amendments to the control and stabilization sections of the extended Defense Production Act.

Strongly possible at this writing, but not certain, is a prohibition against rollback price ceilings on any farm commodity.

Barely possible, a prohibition against rollback price ceilings on any manufactured commodity.

Senator Walter George, of Georgia, has served notice the 12½ per cent across-the-board increase in individual income tax rates will not be accepted by the Senate finance committee, of which he is chairman. As Sen. Eugene Millikin, of Colorado, ranking Republican member of the committee, is even more strongly opposed to increased rates the administration is asking than Senator George, the asked-for \$9 billion

tax increase may be pared down to \$6 billion, or even \$5 billion.

Barring an acute and general worsening of the Far East and Middle East situations, of course.

Korean truce or no Korean truce, President Truman has no intention of agreeing to any cut in his big armament program by an "obstinate" Congress.

Nor will he agree to any cuts in foreign military and economic aid programs.

White House is busily engaged checking vulnerable spots in armor of members of Congress, to influence—pressure if necessary—these to support intact the \$59 billion budget of Secretary of Defense George C. Marshall. And ditto the \$8.5 billion foreign aid budget of Secretary of State Dean Acheson.

Every indication today is that the foreign aid program will be reduced, particularly that for economic aid.

Veteran members of Congress, and veteran observers in Washington, do not believe the Marshall Defense budget will be cut more than \$2 billion; perhaps only \$1 billion. If foreign affairs go worse, Congress does not want the White House saying, "Look what you did by scrimping on defense."

Secretary Acheson's economic foreign aid program, however, looks to be in for scalping. Part of this is due to the feeling in Congress that recipients are not (1) properly grateful to Uncle Santa Claus; (2) that governments rather than their peoples have received most of the benefits; (3) and to a distrust and in many cases positive dis-

like (to put it mildly) of Secretary Acheson.

Attempt to rename Lend-Lease, UNRRA, Marshall Plan under the vague-sounding "Point Four" program so far has not been received with Congressional enthusiasm.

Mexico and Iran are partly responsible.

The British Government has a heavy investment in Iranian oil properties—more than a majority of the stock.

But the Iranian (Persian) Government took over the properties just the same. Asiatic peoples are becoming strongly nationalistic, in more ways than one. One point Iran makes is hard to get around: if "nationalization"—seizure—of privately owned British industries by the British government is a good thing for Britain, why should not the Iranian government nationalize the petroleum industry in Iran?

The Iranian incident has recalled to  
(Continued on Page 16)



## Your Extension Program Has New Co-sponsor

County Agricultural Councils to Be Set Up This Fall

By E. H. TEAGARDEN, District Agent

THE Extension program which has been conducted for the last 36 years by Kansas State College, co-operating with county Farm Bureaus of the state, now will be conducted in co-operation with a new county organization beginning January 1, 1952. This new organization is to be known as the County Agricultural Extension Council.

The new council will be composed of 3 persons from each township and each first- or second-class city in the county. One of 3 members is to represent agriculture, one will represent home economics and one, 4-H Club work. Thus the average county with 15 townships and one second-class city will have 48 persons who will make up the County Extension Council.

Purpose of the County Extension Council is giving instruction and practical demonstrations in agriculture, home economics and 4-H Club work to all people of the county. The council also has the responsibility of planning the educational program. The council may not engage in commercial or other activities not contributory to the educational program.

### Elections After October 1

Members of the council are to be elected at public meetings called for that purpose. Such meetings will be held after October 1 of this year, and should be completed by the middle of November. All citizens of voting age will be entitled to help select council members who are to represent the public in formulation and execution of the Extension program. The law states the program shall be for all the people of the county.

This broader aspect of the Extension program should mean great expansion will be experienced in county programs. More persons with a variety of interests will have a part in planning the program. Interests of more town and city people will be injected into the program. This is as it should be in a program supported by tax money. This development should not in any way modify the program which in the past has been thought of largely as a program for farm people. The rural program will continue as in the past with certain additions and modifications.

Organization of home demonstration units will not be changed in any manner under the new law. Units are composed of women who desire to meet regularly to study some segment of the home economics program. The units will continue to function in this capacity. Formerly most unit members became members of the county Farm Bureau by paying the amount of dues specified in the county Farm Bureau constitution. The County Extension Council has no dues. A unit may desire to assess members a small fee to cover any expense incidental to any organized group.

Financing the county Extension program will be modified somewhat since under the new law sources of funds are county, state and federal appropriations. In the past each county Farm

Bureau also contributed a portion of the dues to support of the Extension program. This amount has exceeded \$200,000 the past year for the state as a whole. Any amount no longer available from dues will be made up this year by additional county appropriations.

Business of the Extension council will be handled by an executive board composed of 3 officers—chairman, secretary, treasurer, and 6 other members all of whom are selected from and by members of the council. The executive board, co-operating with the director of Extension, will employ the agents in each county, have custody of all property and handle other responsibilities for the council.

On or before December 31, of this year, existing county Farm Bureaus will transfer to County Extension Councils all money and property belonging to county Farm Bureaus operating under provisions of the old county Farm Bureau law. This money and property, according to the new law, is to be used by the council for purposes as stated in the law, or if any property is not needed for that purpose it may be sold by the executive board and proceeds therefrom used for purposes of the law.

### Law Has Restrictions

The Extension council has certain limitations established in the new legislation. The council shall not engage in commercial activities, private enterprise, legislative programs, or other activities not authorized by the law. The council shall not give preferred service to any individual, group or organization. The council may collect fees for specific services which require special equipment or personnel, such as a soil-testing laboratory, seed-testing service, or other educational service. But the council shall not collect membership dues nor shall they collect dues for, or pay dues to any state or national organization or association.

The new law also encourages the council, executive board and county Extension agents to use every opportunity to reach interested groups and organizations so every group or organization may have equal opportunity to co-operate in the Extension program.

Significance of this new legislation may not be written until a quarter century has elapsed and opportunity given for the broad development of the Extension program in the counties. Kansas State College of Agriculture and Applied Science has a three-fold purpose; instruction to the students who enroll at the college, research and Extension. The legislation mentioned in preceding paragraphs is the present "Kansas Plan" for the college to conduct the Extension program in co-operation with the people of the counties. The law states the program shall be for all the people of the county. When this purpose is achieved, many thousands of additional families will be active participants in the Extension program of agriculture, home economics and 4-H Club work.

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## Now That You Have Electricity

THIS department has reported from time to time on the heat pump which is earmarked to revolutionize home heating and cooling. The simplest description likens this versatile machine to the cooling unit of an electric refrigerator or freezer which acts to transfer heat within the box to the air outside or to water or earth.

The heat pump adaptation for homes does just exactly that in summer, then can be reversed to transfer heat from an outside source, water or the earth, into the home. And since 1947, experimentation in several phases of heat pump development have been going on in Kansas under guidance of the Kan-

sas Committee on the Relation of Electricity to Agriculture (C.R.E.A.) and the Department of Agricultural Engineering at Kansas State College.

Released a year ago was a report by this group of tests which have been made involving transfer of heat to or from underground water and various types of earth. More work has been done on that problem and in addition actual field tests have been conducted of installations of heat pump units in Kansas rural and suburban homes.

Five such observations were made in homes ranging from 10-room frame to 6-room ranch style with varying de-

(Continued on Page 7)



grees of insulation. Daily records of kilowatt consumption and water use were kept as a comparative cost study for possible consumers and for power companies who must know load characteristics. The operation eventually will enable crews to predict the performance and efficiency of the heat pump under many Kansas soil, temperature and construction conditions.

It is perhaps significant that 5 of the 10 awards made by the National Safety Award Committee for 1951 involved adaptations of electricity. The grand award went for an electric ignition system for gas ranges, eliminating the pilot burner. Others in the electric field included a new circuit protector that eliminates the vagaries of the home fuse box, a closet light design that provides illumination when the door is opened, a plug-in strip that furnishes convenience outlets every few inches around the baseboard molding of a room, an electric timer for sun and heat lamps to eliminate over-heating.

Deodorizing rooms by electrical means has come in for considerable discussion lately but none has come up with the idea of providing a selection of odors and distributing them electrically until a recent product was introduced. The device comes complete with disks which when inserted in the unit give off wide range of odors.

A hand lamp, we are told, has been introduced which will plug into a regular 110-volt outlet or operate from a 7½-volt battery. More information than that was not supplied, but it would seem such a dual device might be useful—one for two jobs.

We can suggest that a voltage regulator now on the market is a good protection for motors and other electrical equipment that might be subjected to sudden changes in line voltage. This sometimes happens with serious consequences where loads tend to vary. Altho hand-operated regulators are common, an automatic device is best.

Use of electric radiant heating panels in houses is making headway, according to various sources. This is especially true where the heat conduits for warm air circulation are difficult or impossible to install, such as in old houses or houses where design precludes such heating method. On the other hand, word has been received that several housing projects have incorporated electric heat thruout units.

An angle on maintaining a water supply for stock during cold weather has been advanced from Minnesota. Instead of heating water with thermostatically controlled resistance heaters, the report says, the suggestion is made that fresh well water be pumped into the tank at a regular rate. The circulation prevents freezing but a good drainage arrangement must be made because the excess water is wasted. Savings in electric bills have been large if the water does not need to be raised too high.

Just a reminder about defrosting, now that summer speeds the cycle in electric refrigeration. A small electric radiant heater can be used to soften the frost with dispatch and help bring the refrigerator or freezer back into operation sooner.

This writer noted a novel home drying unit that can be made by most anyone. It was installed in a home economics department in a southern high school and was used to dry dishtowels in time for the next class. The unit consisted of a 6-foot cabinet in which were installed 2 infrared heat lamps and a small fan. Metal grillwork provided the means for evaporation and ventilation and the device made an attractive addition to the room. By arranging towel racks within the cabinet, clothes dry in a jiffy.

### Permanent Water System

"Safe Water for the Farm," is the title of a 46-page USDA bulletin with illustrations, which will answer many questions for folks contemplating installation of a permanent water system. Kansas Farmer's Bulletin Service, Topeka, can send you a copy of the bulletin without delay. Please include 3c with your request.

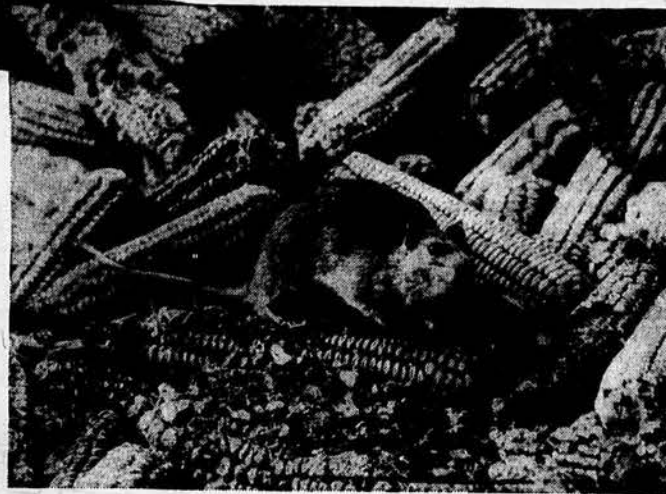
## 1 CROSSBRED LAMBS GROW FASTER

USDA experiments show that crossing pure breeds produces superior lambs. (1) More of them live to weaning age. (2) They reach market weight sooner. (3) Wool yield rises.



## 2 DON'T FEED YOUR GRAIN TO RATS!

When grain bins are empty in summer, it's your best time to ratproof them, points out USDA. See your County Agent and get him to organize a community-wide war on rats.



## 3 FREEZE 'EM, RECOMMENDS USDA,

as an ideal way of preserving our peach crop—for "fresh fruit" desserts all winter. Researchers say to peel without dipping in hot water; slice directly into cold syrup, and add ascorbic acid to prevent darkening.

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## Donna Goes to France

*We Get Acquainted With Other International Farm Youth Exchange Delegates and See Our Big Cities*

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the first one from Donna Cowan, of Emporia, who has gone to France.

**DEAR MR. GILKESON:** At 7 a. m. Monday, June 18, at Union Station in Kansas City, I descended the escalator with a red-headed girl carrying about the same amount of luggage I had. We looked at each other and she said, "Are you Donna?" And I said, "Yes, and you must be Carol Jean." So I met the first of the 3 other delegates to France. Carol Jean Blackhall is from Sterling, in Rice county. Standing in the door of the train was Warren Prawl from Severance, Doniphan county, 4-H member, the delegate to Switzerland.

In the car we found Betty Elliott of White City, Morris county IFYE delegate to Holland. Dorothy Vanskike, of Arkansas City, Cowley county, left June 6 for England and Wales.

### Enjoy Train Trip

We had 25 hours on the train to get acquainted. Three fourths of us had never eaten on a diner before, and it was fascinating to watch waiters carry trays without spilling anything. I'd never been east of St. Louis, and to whiz thru so many states in such a short time was a wish-fulfilling experience. But we weren't long in Indianapolis, Dayton, Pittsburg or Baltimore.

J. Harold Johnson, our state 4-H Club leader, met us at the station in Washington, and took us to the Harrington Hotel where reservations had been made for 48 IFYE's. Two of us were waiting in the lobby for the other Kansans to arrive when a soft southern voice said, "Are you all IFYE's?" And we introduced ourselves to a girl from South Carolina. A boy with a big hat, cowboy boots, and a green jacket with



Donna Cowan

bassy of their respective countries. At the French embassy we enjoyed talking in French to a secretary who also spoke good English. Monsieur Jacques Humbert gave us lots of information about his native country. He talked to us in perfect English so we'd be able to understand all he said.

One afternoon the group sailed down the Potomac river (it's much wider than I'd imagined) to visit Mount Vernon. I recalled the story about George Washington throwing a silver dollar across the Potomac. I should think it would have landed in the middle of the river considering its width, but they say a dollar went farther in those days.

The fifth floor of the Department of Agriculture was the scene of most of our meetings during which we received information about our countries, passports, ship tickets and expense accounts.

It was quite an experience to see an American League baseball game. Some of us went to see the Washington Senators play the St. Louis Browns at Griffith Stadium.

### Many Things to See

Sunday after church we took some pictures from the top of Washington Monument and visited the Smithsonian Institute which was filled with everything from the costumes of the wives of all our presidents to the "Spirit of St. Louis," the plane Lindbergh flew nonstop from New York to Paris.

Washington is a beautiful city, laid out in four sections, radiating from the Capital building. One of my French friends told me the plans for the city were drawn by a Frenchman.

Late Monday evening, June 25, we left Washington for New York. The porter awakened us at 6 o'clock and we dressed hurriedly, went thru the gigantic Pennsylvania station and packed our baggage and ourselves into the black-long line of yellow cabs.

We found our rooms in the 32-story Shelton Hotel. After breakfast we went to number 2 Park Avenue to the United States Mission to the United Nations. The IFYE delegates sat around a conference table used by such people as Eleanor Roosevelt and Dean Acheson to discuss the workings of the U. N., and our part in it. At noon the group walked over to the Empire State building. On the 86th floor at 1,060 feet we viewed the city and ate lunch.

In the afternoon the IFYE's went by bus on a sight-seeing tour of lower New York and Chinatown. We went thru the Bowery, past Wall Street, and thru Fulton's Fish market. New York is a city of contrasts. That evening we

walked down Fifth Avenue seeing all the wonderful shops, rode thru Central Park in a hansom cab (it's more beautiful than in the movies and songs), walked thru Radio City, along a street lined with restaurants ranging from African, Chinese, to French and finally took a taxi back to the hotel. (We were sure we couldn't have found it any other way!)

Wednesday morning at the Waldorf Astoria the IFYE's were guests of Sears Roebuck at a Bon Voyage farewell breakfast. It's such a good feeling to discover the importance people all over the nation place on this project. The thing that makes the exchange so unique is that it is financed by the people, our own friends and neighbors, and not by government funds, altho it has the backing of the U. S. Department of Agriculture and the State Department. This "grassroots ambassadors" term

### Feeding a Crowd

For women who are called upon to serve as supper chairman for a church, school or other neighborhood group, there is a new booklet just off the press. It has menu suggestions, a buying guide and recipes for 50 to 100 servings, all originating in the General Foods Institution test kitchen. We can recommend the booklet, "Feeding a Crowd," and will have a copy sent free upon request to Home Editor, Kansas Farmer, Topeka.

means it's straight from the hearts of the people, the opportunity for developing genuine friendships among peoples of many countries.—Donna Cowan.

## Warren Goes to Switzerland

*Kansas International Farm Youth Exchange Delegates Get Started on Their Great Adventure*

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the first one from Warren Prawl, of Severance, who has gone to Switzerland.

**DEAR MR. GILKESON:** In behalf of all Kansas International Farm Youth Exchange delegates I thank all those who have devoted their time and money that is helping provide this wonderful experience for us. The way we can repay is to write, give talks and show pictures to show our humble appreciation.

Most of you readers of Kansas Farmer are familiar with IFYE and its program. In 1951 there are 58 delegates going to 22 different countries from New Zealand to Turkey. The 4-H is being helped in this grand effort by sponsors, including Kansas Farmer, who realize the importance of this project.

Betty Elliott, of White City, and I left Manhattan, on June 18 at 5 a. m. on the City of St. Louis. In Kansas City, Donna Cowan, of Emporia, and Carol Jean Blackhall, of Sterling, boarded the train. It was my first trip on a train and the first time any of us had been east of Springfield, Ill., so it was quite an experience beginning such a trip. Eating on a railroad diner traveling 70 miles an hour is great fun.

We arrived in Washington, D. C., at 10 o'clock at Union Station on June 19, and we were met by J. Harold Johnson, our State 4-H Club leader who was in Washington with the Kansas delegates attending National 4-H Club Camp.

We hadn't been in our hotel, The Harrington, 10 minutes before we began meeting other IFYE delegates from all over the U. S. First one was Elizabeth Guice, from North Carolina; how we enjoy that Southern drawl!

### Attended National 4-H Camp

We attended National 4-H Club Camp with the 4-H'ers and visited the Jefferson Memorial Library of Congress, Lincoln's Memorial and gazed at the majestic sight of the lighted Capitol Building and Washington's Monument.

On Wednesday morning we were recognized by the National Campers as "Grassroots Diplomats." Mr. Russell, of the State Department, christened us and told of the job we had ahead of us and of the great work we were doing to bring about world understanding.

During our stay in Washington we spent a lot of time with exchangees from Europe. I spent as much time as possible with 2 youths from Switzerland, Vreny Kanner and Ruedi Mumenthaler. Vreny will be in Pennsylvania and Ruedi in Arizona. These European exchangees are doing the same job as we IFYE's, promoting interest and understanding among nations.

On Thursday we IFYE's began our orientation. We sat thru lectures on everything from the foreign policy of the U. S. to morals of other countries. On Thursday and Friday we visited our respective foreign embassies.

I saw my first big league ball game on Thursday as did many others of our group. The Washington Senators won.

I heard the radio report and Kansas was still having rain. We were smothering here, temperature 98 degrees on Sunday.



Warren Prawl

On Sunday the group was free to go to church, as most did, and use the remainder of the day for sight-seeing. We went to the Smithsonian Institute and then to see some friends from Kansas. Two girls who had attended Kansas State in 1946.

On Monday we received instructions about caring for our baggage on our ship, the H.M.S. Georgia, a steamer carrying 1,000 passengers.

Monday night we boarded a train for New York, a Pullman, and arrived in New York at 6 o'clock on Tuesday morning. After a hasty breakfast we attended a meeting and were lectured on the United States and its connection with the United Nations.

### Dinner "High Up"

We ate dinner on the 86th floor of the Empire State Building. What a building, a 15-mile view of the city of New York. During the afternoon we took a tour of Chinatown and New York east side. The slums were something to see and try to forget, but you can't. Another boy from North Carolina and I went to see the Dodgers and the New York Giants play. How the fans love "them bums."

On Wednesday morning we were guests of the Sears Roebuck Foundation for breakfast at the beautiful Waldorf Astoria hotel.

After another lecture on the importance and great job the IFYE project was doing we were free to pack.

We are boarding our ship at 2 o'clock and sailing at 5. So long from the IFYE's from Kansas.

—Warren Prawl.

Warren's address while he is overseas will be, Warren Prawl, American Legation, Bern, Switzerland, c/o Dr. Paul Minneman, Counselor.

### Ford Foundation Boosts 4-H Work

The National 4-H Club Foundation has been granted up to \$70,500 by the Ford Foundation, comments the U. S. Department of Agriculture. The grant will supplement present funds of the International Farm Youth Exchange project for the current year.

### For Women and Girls

An excellent leaflet with clever illustrations, giving 25 points on good grooming in the form of a quiz, has just been issued by the beauty adviser for Pond's. We have a supply of these leaflets, "Good Grooming Quiz." Write to Home Editor, Kansas Farmer, Topeka, and enclose 3c for postage.

a map of a large state marked with a 4-H on it said, "I'll bet you all are some more IFYE's." We keep hearing he's from Texas.

The IFYE's had our first meeting at 4 o'clock Tuesday afternoon. Carol Jean and I then met George Scott, from Colorado, and Esco Williams, from Mississippi, who are going to France with us. The boys are just beginning to learn the language while Carol Jean and I speak some French.

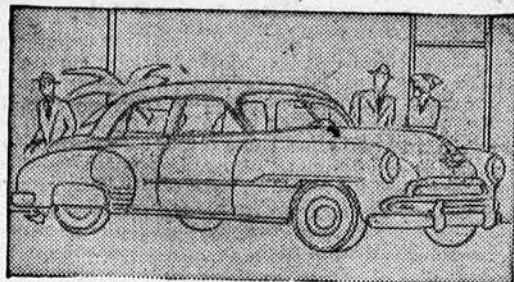
That night the IFYE's went by bus with the 4-H camp delegation to visit Jefferson Memorial, the Library of Congress and Lincoln Memorial. We were with some French people who are IFYE exchangees, a French county agent, a poultry farmer, and a rural social worker. We talked to them in French and especially to Micheline Chosson who was going to Kansas and was just beginning to learn English. We sang French songs on the bus and everybody joined in singing "Allouette" and their pronunciation was pretty good, altho most of the group didn't know what the words meant. But music is the same in any language.

The whole week in Washington was filled with interesting lectures and discussions. Each group visited the em-

### Old Letters Contest

Many letters are coming in for our "Old Letters Contest" recently announced in Kansas Farmer. There's still time if you want to enter. Winning letters will bring a \$3 check to the sender. Remember, any old letters about early-day Kansas agriculture or history of interest to readers are eligible for the contest.

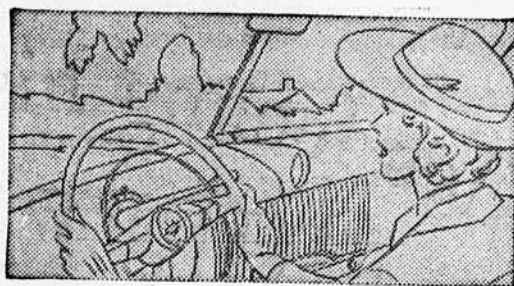




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## Fair Exhibits That Win

By WILLIAM G. AMSTEIN, Kansas State College

IT WILL soon be time to prepare exhibits for the fairs. As a rule vegetables to be displayed should be harvested early in the morning or late in the evening. Harvested products, regardless of their use, should not be left in the sun but placed where it is cool and moist soon as possible.

In preparing an exhibit, oversize, small, green, overripe, misshaped, diseased or insect-damaged specimens or those with other blemishes are culls and should not be saved for exhibit or included as first-grade products for sale.

When preparing vegetables for exhibit keep a score card in mind. Remember, also, that rules for each fair vary somewhat. For example, classes at Kansas Free Fair and Kansas State Fair are not all alike altho many exhibitors compete at both fairs.

A rule that seems useful in selecting and preparing an exhibit is first to pick out one typical specimen having good type, size, color and that is free from blemishes. Then by using this single specimen as a guide select at least twice the amount called for in the rules for the class or exhibit. For example, if you wish to show a peck of Irish potatoes select at least one-half bushel or more using the ideal sample potato as an example to go by.

### Here's a Score Card

A score card for vegetables on the basis of 100 could be as follows:

Condition—freedom from dirt, disease and blemishes, edible maturity, 25 per cent; quality—crispness, flavor and firmness, 20 per cent; trueness to type, 20 per cent; uniformity—size, color and shape, 20 per cent; size—should conform to market demands, 15 per cent.

Considering these items, an excellent selection would not have more than 10 per cent variation in size, shape and color of specimens. To be of the best market size and quality beets would be 1½ to 3 inches, carrots 1 to 2½ inches, onions over 2 inches and potatoes 6 to 10 ounces and true to variety type. At the opposite extreme would be specimens seriously damaged by disease, insects, mechanical or other means. Extreme differences in size, shape or color should be avoided. Specimens are too often noticed in a class where the largest one is twice the size of the smallest one.

The question is often raised regard-

ing cleaning vegetables to be exhibited. Commercially most vegetables are now washed or cleaned in some manner if soil conditions require. Contrary to the opinion of many, I do not believe vegetables that have to be washed or brushed to produce an attractive exhibit should be penalized by being placed down or disqualified.

This year due to extreme moisture conditions many root crops may require more cleaning than usual to be presentable.

After specimens are selected they should be carefully wrapped in newspaper or protected in some manner for the trip to the fair. Too often I find extra fine specimens in exhibits ruined on the way to the fair with no worthy substitutes available to take their place. Take a little extra time to protect them after you have selected them.

### Know the Date

Find out before it is too late when vegetables have to be entered and placed on exhibition or displayed. If you cannot arrange to make a special trip to do this, you may find your neighbors are going early and will be willing to take your exhibit for you. This is often true, especially if watermelons are involved and they have room in the car or truck for an extra one for themselves.

In addition to selecting and showing vegetables it is well to arrange to see them judged; at least see how they were placed. Whether you win, get a second or third or fail to place, it will be worthwhile seeing what competition you had. You can learn even if you do not always win.

A further suggestion on selection of vegetables for display classes or collections has to do with kinds chosen. Too often egg plant, beans and choices of this type that have poor shelf life in a hot exhibit hall or tent are chosen. Again many make the mistake of choosing ripe or overripe specimens. Mature but not overripe products should be selected. If judging is delayed 24 hours or where the show lasts 3 or 4 days, choose specimens that will still have some quality after being on display for a day or two.

If rules on collections state 5 different vegetables, do not include 10 kinds. Usually it will only serve to clutter up your exhibit. Select the 5 best and make them so outstanding there will be no question as to your winning.

## Answers to Your Flower Questions

By FRANK PAYNE

**QUESTION:** I remember the lovely flowers my grandmother grew many years ago around her home, also the many happy hours I spent in her flower garden. Now I want to have a garden of old-fashioned flowers like she grew. What can you advise me to plant?

**Answer:** Fashion and trend in flowers change same as in ladies' clothing. I can remember the old-fashioned clothes of the gay nineties with large ostrich plumes on picture hats. Yes, grandma did all right for herself in such clothes because that is the way she won grandpa. And for a proper background you could always find her busy out in the flower garden among her favorite flowers.

There were stately hollyhocks in her garden. Flowering vines were on the fences. A bed of "flags," (now called iris) and always a few plants of "pi-neys" better known now as peonies, spread their beauty everywhere. Four o'clocks, bachelor buttons and ragged Betty were plentiful, too.

Most of these old-timers were brought out in covered wagons from eastern states and nursed into blooming with loving care under great handicaps and hardships old settlers had to contend with. But grandma was always busy and right on the job so that is how our present-day love of flowers and beauty had its start and influence upon you and me. Grandma not only had flowers of her own but was always generous in giving visitors to her garden a "start" of some flower they did not have.

I think hollyhocks are the flowers

that were most beautiful in old-time gardens. Some folks today think they are hard to get started. That is caused by trying to dig up large blooming plants when they should not do so, or else they do not sow seed at the right time of year. July or early August is the best time to sow the seed right out in a background or along a fence in a sunny spot. You can get the single or double type in all colors. Both types are beautiful. Once you get a good start they will come up volunteer from seed dropped by the plants so you need not worry about them from there on. Be sure to cut off and remove the old stalks late in fall to keep out rust that may live over winter in the old stalks and cause you much trouble next year.

If I remember right, grandma always had a large castor bean planted in one corner of her garden. She said

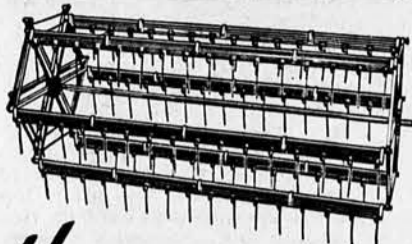
(Continued on Page 11)

## Window Curtains

A recent publication on room decorating, of interest to women, is entitled, "Window Curtains... Planning and Selection." It gives the best lesson on window and home decoration in color we have ever seen for 20 cents. There are pictures illustrating color decorations for every room in the house. For a copy of USDA Home and Garden bulletin, No. 4, write Farm Service Editor, Kansas Farmer, Topeka. Price 20c.



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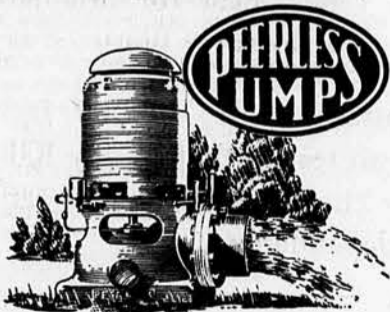
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that kept the moles away. The medium-height red variety was most showy. Being a dahlia grower I wouldn't write about grandma's garden without getting in my two cents worth about dahlias.

You bet, grandma really did have dahlias in her garden! The kind she grew were the old-fashioned ball or honeycomb type, only 2 to 3 inches in diameter, but do you know that type today is very popular and can take blue ribbons in any present-day dahlia show right alongside of the monster, big as dinner plate decoratives! Why? Simply because they are beautiful, very practical for all uses, keep well when cut and to many flower lovers, it is their only conception of dahlias because they remember grandma had the same type in her garden. A. D. Livoni, a lavender pink; Floral Park Jewel, red and white, and Storm King, a pure white, are the names of 3 old-timers grandma grew and loved. And I, too, have these varieties in my large dahlia fields to supply the great demand for old-fashioned dahlias today.

**Wants Some Vines**

**Question:** I would like to plant some vines to help add beauty to my flower garden. I want some animal types that grow quickly to make shade, while others should be perennial and stay many years in the same place, on fences, and to cover unsightly buildings and places. What do you recommend I plant?

**Answer:** For quick-growing annual vines I can recommend morning-glories, moonvines, Cardinal climbers, ornamental gourds or the climbing nasturtiums easily grown from seed planted in spring. Maderia vines have a root like a dahlia and must be dug up in late fall.

Now for the hardy perennial or shrub-type vines that stay out all winter and grow many years in the same place I advise perennial sweet peas, silver lace vine, trumpet vine, Hall's honeysuckle, bittersweet, clematis, wisteria or Boston ivy. Most of these can be bought from your local nurseryman.

A good point to remember when growing vines close to your house or porch is to build a trellis for them to run upon. If allowed to climb on woodwork of a porch or house or onto the roof, vines will soon rot out the wood. So always have a few inches of space between trellis and woodwork or siding of the house so vines cannot do any damage. Most vines must receive a good soaking at the roots in extreme drouth spells, same as your other flowers or plants.

**How About Poppies?**

**Question:** I want to plant some Oriental poppies. When is the proper time to do this? How do you care for and divide the old plants?

**Answer:** Proper time to plant Oriental poppies is in August or early September when they are dormant. All poppies resent transplanting or rough handling of their roots. You can divide old roots in fall. Do not break or twist roots and if it should be dry, give a good watering when they are replanted. They must always be in a sunny spot if you wish nice bloom and best results.

You also can grow them from seed and transplant the seedlings into individual pots to avoid root disturbance when planting to their permanent place. Of course, if you grow them from seed, do not expect to always get true colors, but the root divisions will always come true to the colors they were.

Never plant in a soggy, wet place, but a gritty, well-drained soil is best. When cutting blooms you must sear the end of the stem over a flame or they will bleed and the petals droop. About 12 hours is the average length of time the poppy bloom will keep in water when cut, if seared.

**Right Time for Lily Bulbs**

**Question:** When should one plant madonna lily bulbs and how deep?

**Answer:** Late August or early September is the only proper time to plant madonna lilies. Plant in a sunny, well-drained spot in good soil and do not cover bulb with more than 2 inches of soil. A double handful of gravel or coarse sand should be placed in the hole under the bulb to allow plenty of drainage. Never use any animal manure around your lilies or you may get a rot in them. Madonna lilies will make a nice green growth in late fall which acts as a mulch and winter protection for the bulbs.

*My next Flower Questions and Answers will be all about care of your lawn.*

**"Don't miss the FARMHAND display at the FAIR!"**



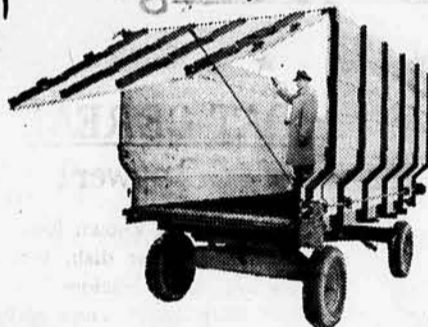
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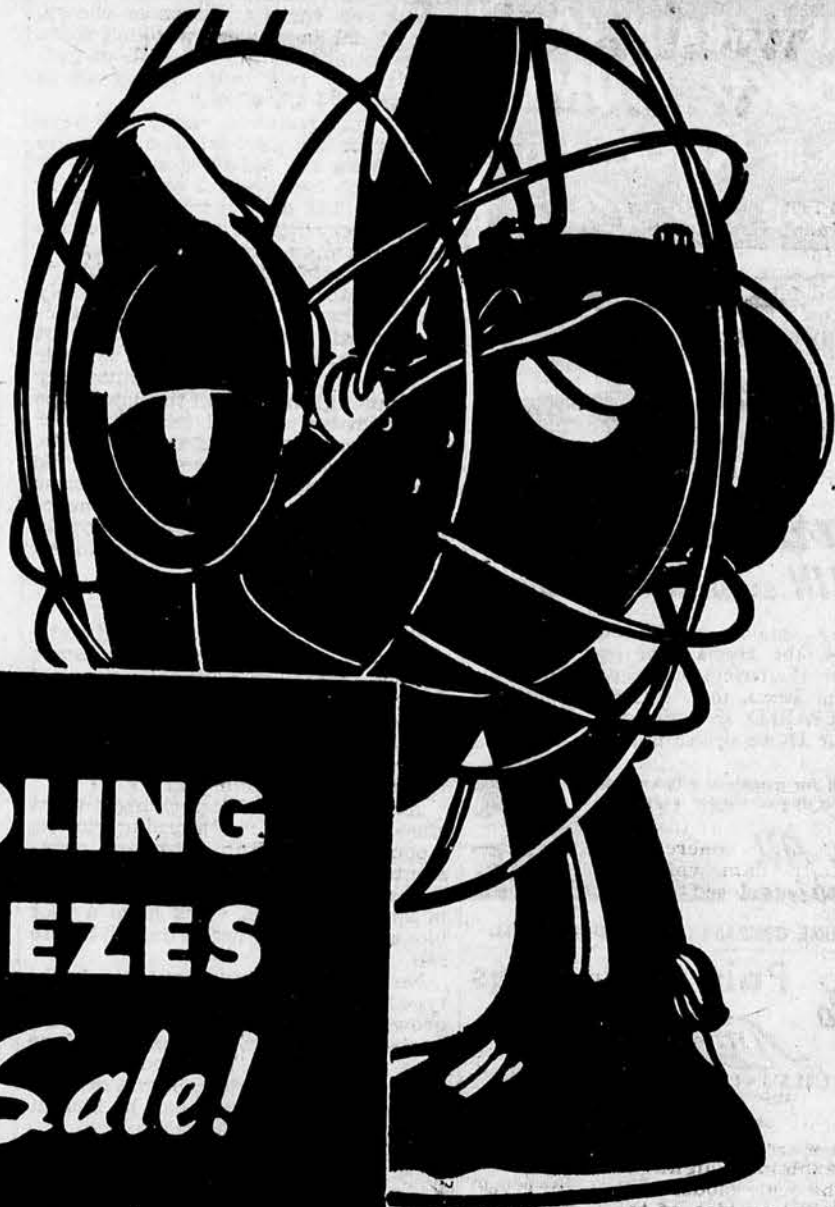
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SUMMER COMFORT  
FOR  
FARM HOMES"**

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watt is doing in making life more pleasant and enjoyable in the Nicholson home.

Outside the Nicholson home itself, electricity is doing its part almost everywhere. Inside the barn, electric power shears sheep and grinds feed besides furnishing light and ventilation. In the other buildings, electricity is a quick and dependable "hired hand," pumping domestic and irrigation water, heat for brooders, and power for the farm shop.

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Article No. 7

# We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS

LOCATED 90 miles west of Spokane, Wash., Grand Coulee dam is the largest man-made structure in the world. A single white man lived on the site and operated a ferry across the river for the convenience of a few Indians living in the vicinity, when construction began in 1931. Since then a bustling city has sprung up numbering several thousand.

The dam, which impounds waters of the Columbia river, rises to a height (from bedrock) of 550 feet, is as long as 12 ordinary city blocks, and the amount of concrete used in construction was 3 times that used in the Hoover dam. Lake Roosevelt is formed which stretches north 150 miles to the Canadian boundary. It is reported the dam now generates one half of all electric power used in the surrounding 5 states, and by next year will supply water for irrigating more than one million acres of what is now desert land.

It is impressive to see the immense volume of water hurtling over giant spillways, down the face of the dam, forming a misty cataract of cool, green water 330 feet high, twice the height of Niagara, and more than one-third mile long. A wide concrete highway surmounts the dam, which at the time of our visit was closed to the public. There was great activity in progress due to installation of pumps for use in the irrigation project. These pumps, largest ever constructed, will lift water from the lake a height of 280 feet. The building being constructed to house the pumps will equal the height of a 6-story building.

### See How It Works

Visitors are welcomed to the Vista House where lectures are given every hour, explaining highlights of the project. The scale model of the dam gives the visitor an idea of the tremendous amount of work involved in its construction. One is given opportunity to visit the working parts of the dam by driving his car a half mile to a parking space at a lower level. Groups are conducted thru the powerhouse by guides. But after walking along miles of corridors, climbing up and down stairs, viewing the great turbines and generators and listening to the recital of figures, we came away in a very confused state of mind.

Grand Coulee, once the bed of the Columbia river, is an immense dry gorge 52 miles long, from 1 to 5 miles wide and with rock walls that tower to 1,000 feet in places. Seven distinct lava flows may be traced on the sides of the cliff. The entire length of the old river bed was a scene of great activity, for the coulee will be utilized to carry the waters for irrigation when installation of the pumping system is completed. A new road is being constructed along the sides of the cliffs to replace the present road which will be under 90 feet of water. The Reclamation Bureau is undertaking the giant task of preparing the land for irrigation. Bulldozers and "cats" are tearing out sagebrush, pushing up rocks and digging ditches. The brush is being burned, rocks hauled away and the land leveled. The land will be offered for sale in small tracts, with veterans getting first chance.

### Great Contrast in State

There are great contrasts in the state. Eastern sections with scanty rainfall and large wheat farms; the desert regions around Grand Coulee; the rich river valleys of Wenatchee and Yakima that produce fine fruit; the forests of Douglas fir, hemlock and cedar in Western Washington that feed the lumber industry as well as shipbuilding in coastal cities; the valuable fisheries along the coast. In some regions of the state annual rainfall is only a few inches; on the western slopes of the Olympic mountains annual average is 142 inches.

We had expected to see orchards of Yakima valley loaded with peaches and apricots, but a late freeze had killed most of the soft fruit. Peaches we bought had been brought in from California. The highway passes thru a tunnel just before reaching Yakima, then the whole fertile valley spread out below us and Mt. Rainier's lofty peak ap-

peared to the northwest and dominated the whole horizon.

How different had been our first sight of Rainier. That was in January, 1948, while on a trip on the west coast from San Francisco to Seattle. We had taken the boat en route to Victoria, B. C. The mists and fog of early morning cleared and we had our first sight of Mt. Rainier from the upper deck of the "Princess Elizabeth." The mountain, often shrouded by clouds in winter, stood out, revealed in all its majestic snow-covered splendor for several hours. Mt. Rainier, the 4th highest peak in the U. S., has the largest glacial system of any mountain and the National Park centered by Mt. Rainier is a noted summer and winter resort. People of Tacoma often refer to the 14,000-foot peak on their back doorstep as Mt. Tacoma, much to the irritation of the Seattle Chamber of Commerce.

### Trees 200 Feet Tall

On the 1948 trip thru Western Washington, we had been introduced to the state's great lumber industry. We had seen tracts of Douglas fir being logged. These trees reach a height of 200 feet and more. They are straight as a string and free from branches except near the top. Some tracts were being cleared, stumps pushed over by bulldozers, the ground leveled and made ready for other crops. In others, only a few trees were felled, leaving room for smaller trees to grow. Piles of logs along railroad sidings waited to be loaded on flatcars; trucks piled high with logs whizzed along highways en route to the sawmill. There were huge piles of sawdust, great plywood and veneer mills, all a part of that important industry.

Seattle, like Portland and other west coast cities, expanded rapidly during overnight. It is the chief port of embarkation for Alaska, the Klondike, the the war. Settled in 1851, it remained a small town until gold was discovered in the Klondike, then it became a city, Yukon as well as the Orient. With a city map in hand we explored Seattle, driving for miles along the waterfront, to the Canal locks, Golden Gardens, the Farmer's Market and to Mercer Island.

Seattle's canal locks have played an important part in growth of the city by increasing harbor facilities. Constructed and maintained by the Corps of Army Engineers, the locks rank with those of Sault Ste. Marie in size. Opened in June, 1917, they equalize the 21-foot difference between the waters of Puget Sound and Lake Washington. There is a constant stream of ships large and small passing thru the locks. We watched a U. S. destroyer sail majestically into the larger lock. Many very young lads in navy blue crowded the decks of the ship. Main concern of those on duty was to keep the sides of the trim ship from rubbing against the rusty sides of the lock chamber as the water level lowered. Soon the gates opened and the destroyer sailed down the canal and out to sea.

### This Bridge Floats

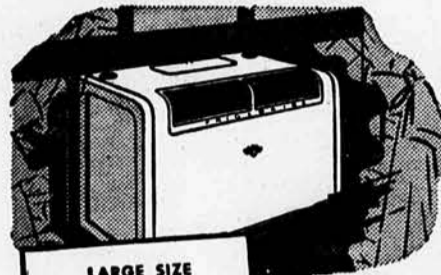
"Floating Bridge" is another attraction. Considered a great engineering feat, the bridge spans Lake Washington connecting the mainland with Mercer Island, carries a 4-lane highway, is 6,560 feet long, 60 feet wide, laid on reinforced-concrete pontoons in water 226 feet deep.

Highlight of our Seattle visit was the one-day cruise to Victoria, capital of British Columbia. Located halfway between Seattle and Vancouver, B. C., Victoria is often called the London of the New World. The majority of inhabitants are of English descent and shops specialize in English-made products, fine china, linens, silverware and wools. We boarded a sight-seeing bus, after a delightful cruise up the Sound. The moderate climate and bountiful rainfall provide ideal conditions and roses bloom 10 months of the year. In summer the tour includes a visit to famous Butchart's gardens.

We left Seattle one morning during a snowstorm, passing thru Fort Lewis which became the training center for many Midwest boys inducted into service the fall of 1950.

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**FULLY GUARANTEED**, like all Dempsters, this Deep-Well Ejector has just one moving part. It's excellent for pumping water more than 25 feet vertical distance.

**REDUCE POWER LOSSES** with the Dempster Shallow-Well Reciprocating Pump. It's designed to cut power cost and deliver large quantities of water inexpensively from nearby wells or cisterns.

**INCREASES FARM PRODUCTION**—Plenty of fresh, clean water at the turn of a tap puts profitable weight on cattle, fat on hogs, and grade "A" eggs in the nests. You need water by the gallons, not by the buckets, to get farm production in high gear. The small cost of having running water with a Dempster System is more than offset by the extra money it earns in extra production.

**SAVES VALUABLE WORK TIME**—The hours you spend carrying water should be spent doing other farm work. The pump-and-carry method is a hard, time-wasting chore that keeps you away from dozens of real money-making jobs. And remember, a Dempster Water System not only saves you time and helps you earn more money, but it brings city living right to the farm—so that life is easier and more convenient. Act now! Ask your dealer for a free estimate on the cost of installing a Dempster Water System.

**LOW OPERATING COST** makes this positive-lubricated Dempster Reciprocating Deep-Well Pump the thrifty member of the Dempster line.

Ask Your Dempster Dealer For A FREE Cost Estimate!

DEMPSTER MILL MFG. CO.  
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## DEMPSTER

WATER SUPPLY EQUIPMENT

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Unloads Hardest Frozen Grass or Corn Ensilage  
Throw the Switch; Ensilage Comes Down

Throw switch at foot of silo; a massive drive hub, rolling on the surface of the ensilage rotates screw conveyors around the silo. Case hardened knives, turning at 115 r.p.m., shred ensilage fine. An automatic windlass pays out the suspension cable so the unloader lowers continuously as it rotates. 1/4 in. to 3/4 in. of ensilage is removed every 3 to 4 minutes. Blower discharges ensilage down chute. Coarse parts are ground finer; no hard chunks, no rotten lumps. Cattle eagerly lick manger clean.

The VanDale Silo Unloader keeps walls cleaner and surface of ensilage more level than the most careful man; no mat-

ter how hard packed or hard frozen your ensilage may be. Advanced scientific design with few moving parts assures low upkeep cost. Operation and servicing of unloader easily learned. Machine can be hoisted up silo chute in parts and installed in a few hours by 2 men, and as readily moved to a second silo. Exceptionally safe in operation.

Farmers from North Dakota to New England declare their VanDale Silo Unloaders are among the best investments they ever made. You can throw down a ton of ensilage with 3c to 4c worth of electricity. 1 1/2 h.p. motor does the work.

### HEGG FARM EQUIPMENT CO.

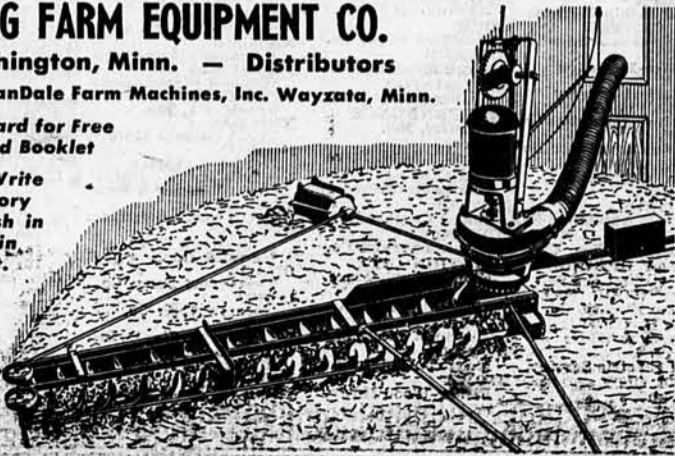
Worthington, Minn. — Distributors

Mfg. by: VanDale Farm Machines, Inc. Wayzata, Minn.

Send Postcard for Free Illustrated Booklet

Dealers: Write for territory today; cash in on virgin market.

Few Moving Parts • Small Upkeep Cost



## Have You Heard?



**THE LATCH-ON** Utility Carrier can be lowered to the ground for easy loading, then raised for transportation. The J. I. Case Co., Racine, Wis., says the carrier can be attached to the "VA" Series Tractors with hydraulic control and Eagle Hitch. The carrier is a convenient device for handling small

running down grain. The unit handles the crop gently, without "roping," "bunching" or shattering. It speeds up and simplifies combining by mowing and delivering crop in loose, airy windrows. It can work on wet, soggy ground, sandy soil, or terraced contours where heavier harvesters may bog down. The K-S is available in 10- and 12-ft. models



New improvements on the Hagie Hi-Clearance Sprayer are now in production. The 1951 models carry larger tank capacities, a choice of 2 motors, a built-in agitator and simplified operating controls. Tests show a marked increase in yield where spray control is used, and the Hagie Sprayer does not tie up farm tractors. Hagie meets every requirement for a complete spray operation, comments Dodgen & Company, Fort Dodge, Ia.

loads around the farm. It's good for hauling baled hay to feed bunks, milk cans from barn to road, for carrying spray tanks, for many other jobs.

The Kilsect Corporation, of St. Louis, Mo., announces a new low-cost barn ventilator. The Kilsect Barn Ventilator is a cast-aluminum pedestal-type assembly with a 24-inch Torrington blade. Simplified construction allows mounting anywhere and in any position with belt drive from any 1/2- or 3/4-h.p. motor. The unit comes completely assembled with blade and all necessary pulleys, screws, bolts, except motor and cabinet.

The new windrow pickup on the New Holland field forage harvester is available first time this season. New Holland Machine Co., New Holland, Pa., says their new pickup can be attached to self-powered or power take-off models of New Holland harvesters. Spring-tooth reel and pickup fingers give clean-sweeping action. Greater ground clearance gives additional protection against stones and rough ground. Over-all width is over 60 inches, with an effective pickup width of 54 inches.

"Rainmaker" is the title of a new farm movie recently previewed in Washington by Sinclair Refining Co., New York. It was produced "in the interests of Community Farm Improvement," writes the company. It will be shown at Sinclair Farm Shows, then be released for showings by county agents, 4-H Clubs, FFA organizations, others.

Metacide is a new insecticide which has proved to be very effective in pest control, announces Dow Chemical Company. It is less hazardous to humans, will be offered to growers this year. Dow research workers had good results in controlling mites, aphids, scales, European corn borer, cabbage worms, Mexican bean beetles, many other pests. Metacide is a liquid, is applied as an emulsion. It is compatible with most insecticides and fungicides.

The improved K-S Universal Windrower is the first harvester to feature rear mounting, says its manufacturer, Central Manufacturing Co., Omaha, Nebr. The windrower enters the field first, ahead of the tractor, eliminating

A new hay rake has been announced by Automatic Equipment Mfg. Co., South Sioux City, Nebr. The new product features a precision matched hydraulic system—the result of years of tests and engineering. Side rakes are pivoted at the center to allow for clean raking on uneven ground. Sturdy cylinder holds teeth at any level for raking on wet or boggy ground. Hay-Kings are available in 14- or 24-foot lengths.

## GRANDMA . . . By Charles Kuhn



GOODNESS, I SHOULD THINK ANY COLOR WOULD BE OK-



BUT I'M GONNA USE THE RIGHT ONE THIS TIME -



AN' MAYBE I CAN REALLY GROW NICE VEGETABLES!



BUT I DON'T SEE WHY YA COULDN'T RAISE JUST AS GOOD A GARDEN WITH A RED THUMB AS A GREEN THUMB!!



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**INSECTICIDES**  
*kill 'em fast!*

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Niotox 10 Dust (10% DDT)	Miscible
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Miscible	

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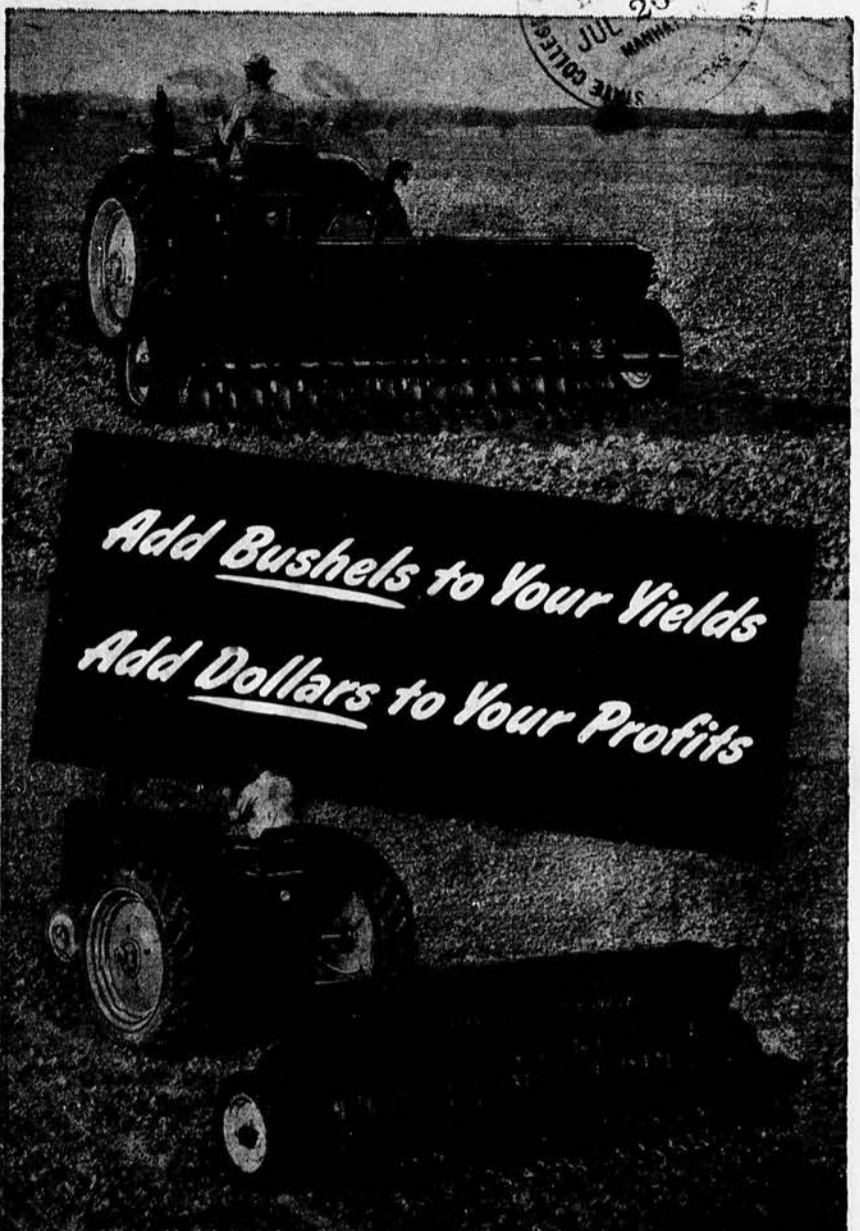
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CONCRETE PRODUCTS CO.  
McPherson, Kansas

904 W. Euclid St.



## Coming Events

- July 22-25—Chase county 4-H camp for older groups, Rock Springs Ranch.
- July 23—Neosho county, Farm Management Association meeting, Chanute.
- July 23—Johnson county dairy tour, with KSC specialists Fred Foreman and George Gerber.
- July 23—Johnson county, 4-H foods leader training, with Elizabeth Randle, Olathe.
- July 23-24—Flint Hills Hereford tour, start at Engler & Sons ranch, 5 miles south and 1 mile west of Topeka.
- July 23-25—Jewell county, Old Settlers Days.
- July 24—Wabaunsee county Cattlemen's Association, annual Bar B Que, on Kermit Roth farm.
- July 24—Barton county irrigation demonstration.
- July 24—Jefferson county dairy tour.
- July 24-25—Elk county 4-H camp, Sedan Lake.
- July 25—Leavenworth county dairy tour, with Fred Foreman, KSC specialist.
- July 25-28—Five-county (Saline, Marion, McPherson, Rice and Dickinson counties) 4-H camp for older group, Rock Springs Ranch.
- July 26—Ford county 4-H council meeting, Windhorst.
- July 26—Barton county 4-H and Chamber of Commerce members' annual picnic.
- July 26—Neosho county Farm Bureau and 4-H Club picnic.
- July 26-27—Shawnee county Eastern Kansas judging school, Topeka.
- July 26-28—Osborne county, Downs annual celebration, Downs.
- July 27—Elk county-wide beef tour and barbecue in northwest portion of county with Lot Taylor and Ray Hoss, KSC specialists.
- July 28—Dickinson county, State Shorthorn picnic, Eisenhower Park, Abilene.
- July 28—Miami county, women's hobby-lobby day.
- July 29—Edwards county, Rural Life picnic.
- July 29-August 2—Reno-Shawnee counties 4-H camp, Rock Springs Ranch.
- July 30-August 4—Montgomery county, Old Settlers Day, Cherryvale.
- July 30—Sumner county Hereford tour in vicinity of Caldwell.
- July 30—Johnson county, terracing and waterway demonstration, with Walter Selby, C. T. Hall and Orville Love, KSC specialists.
- July 30-31—Barton county leader training lesson on insurance, with Gladys Meyers, KSC specialist.
- July 30-31—Jefferson county women's camp, Sycamore Springs.
- July 30-31—Sedgwick county, district 4-H livestock judging school.
- July 30-August 1—Washington county, "Annual Days of '49," parades, horse show, carnival, Hanover.
- July 31—Elk county, nutrition meeting, one-dish meal demonstration by Mary Fletcher, for all unit nutrition leaders. All-day meeting.
- July 31—Cloud county district grain fumigation school, with Norman Whitehair and Dell Gates, KSC specialists, in charge.
- July 31-August 3—Clark county fair-rodeo-horse show-4-H fair, Ashland.
- August 1—Brown county, Lambert-Dickerson dairy day, Hiawatha.
- August 1—Leavenworth county, soil conservation field day, with Harold Harper and Walter Selby, KSC specialists.
- August 1—Miami county, meeting with Charles Parks, KSC landscape specialist.
- August 1-4—Lincoln county 4-H Club camp, Rock Springs Ranch.
- August 1-4—Washington county 4-H camp, Rock Springs Ranch.
- August 1-4—Sheridan county 4-H and FFA fair, Hoxie.
- August 2—Sedgwick county, annual Farm Bureau picnic, Linwood Park, Wichita.
- August 2—Reno county, district fumigation school for grain men, Hutehinson.
- August 2-3—Morris county, livestock district 4-H judging, Council Grove.
- August 3—Jefferson county-wide 4-H room improvement tour.
- August 3-5—Kearny county 4-H camp, Scott Park.
- August 4-6—State camp, rural life, Rock Springs.
- August 6—Ellsworth county beef tour.
- August 6-7—Reno county district 4-H dairy judging school.
- August 6-8—Cloud county fair and 4-H encampment, Glasco.
- August 6-11—State camp, junior leadership, Rock Springs.
- August 7—Lincoln county, beef barbecue and tour, Lincoln.
- August 7—Shawnee county district grain bin fumigation school, Topeka Auditorium, Room 202, 10 A. M.; in afternoon will go to some farm to demonstrate.
- August 7-9—Jefferson county 4-H camp, Sycamore Springs.
- August 7-11—Graham county Pioneer Days and 4-H fair, Hill City.
- August 8-9—Harvey county, Old Settlers picnic, Halstead.
- August 8-11—Barton county, younger 4-H members camp, Hays.
- August 8-11—Ellis county 4-H members (ages 10 to 14) camp, Ft. Hays College.
- August 9—Sedgwick county, summer dairy tour.
- August 9—Cloud county beef tour.
- August 9-10—Southwest Kansas Hereford Association tour, visiting herds in Barber, Comanche, Ford and Clark counties.
- August 10—Brown county, 7th county 4-H tractor maintenance school, Hiawatha Implement Company.
- August 10—Kingman county, dairy tour.
- August 10-11—Washington county, craft work, with Ellen Batchelor, KSC specialist.
- August 12-16—State camp, conservation, Rock Springs.

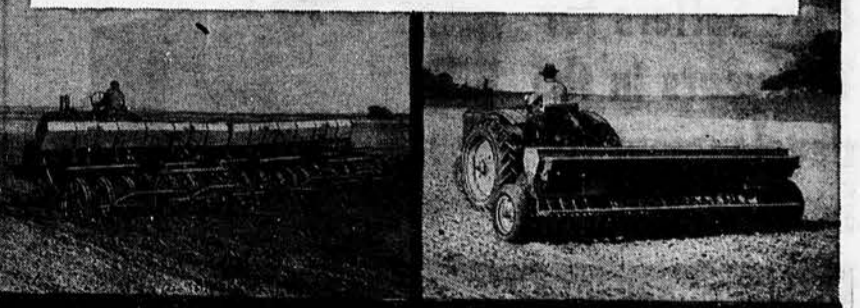


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All the famous John Deere-Van Brunt features that insure better planting—accurate feeds, adjustable spring pressure, convenient controls, and long-lived construction—are available in a drill designed to suit your soil and planting needs. There's the Model "FB" Fertilizer Grain Drill, *top photo*; the Model "RB" Plain Grain Drill, *above*; the Model "LZ" Lister Grain Drill, *lower left*; and the Model "B" Plain Grain Drill, *lower right*. Attachments are available to equip these drills for sowing grass seed as you plant. Get detailed information on one or all of these drills from your John Deere dealer, or write today to John Deere, Dept. E-11, Moline, Ill.



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HI-V-I has a cleansing agent, enabling it to carry sludge-forming particles in suspension, until they are drained out with the oil. This means a cleaner engine... an engine that stays clean! HI-V-I resists oxidation at high temperatures, so there is less danger of corrosion, caused by oxidation acids. This extra protection costs no more, in Champlin HI-V-I motor oil!



Independence Hall in Philadelphia, where the Declaration of Independence was signed 175 years ago. Real American freedom starts with you and me in our homes, and we must work, save, vote and pray to keep that freedom alive.



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**Busy Bees Can Double Alfalfa Seed Production**

**T**HE old saying, "busy as a bee," is more fiction than fact. This is what C. O. Grandfield, Kansas State College USDA agronomist, says. He has devoted considerable time in studying the small insect and its value to agriculture. The bee, despite its reputation, is notoriously inefficient.

The average honeybee, Mr. Grandfield explains, will visit 15 alfalfa flowers a minute. The trouble is he trips only 2 per cent of the flowers visited—98 per cent of the time he is just wasting his time. To keep his "busy" reputation, the bee visits about 100 flowers every 6 3/4 minutes.

In alfalfa raising, the winged insect plays an important role. Alfalfa flowers must be tripped before seed will set. With new emphasis on soil building and balanced farming, alfalfa (with its ability to put nitrogen back into the soil) needs to be increased. It's simple to see that more alfalfa seed is needed to increase alfalfa production. And that's where the bee comes in—or that is where it should come in.

Last year there were only 63,000 bee colonies in Kansas. The state should have 360,000 colonies to effectively handle the 149,000 acres of alfalfa. With the shortage of bees in the state and the tiny creature's inefficiency, the Kansas State specialist is worried. Mr. Grandfield says there are a quarter million alfalfa seed in a pound. So 145,000 flowers must be tripped to produce one pound of seed. If his figures are correct, a colony of bees would trip enough flowers in a 20-day blooming period to make 120 pounds of seed.

From nectar-flow studies, Mr. Grand-



field also knows alfalfa flowers the bees visited to make 120 pounds of seed will produce 100 gallons of nectar an acre. That's enough nectar to support 3 colonies of bees. One colony will carry away 30 gallons of nectar in a 20-day blooming period. Thirty gallons of nectar will make 160 pounds of honey, but the bees use two thirds of the honey for food. That leaves about 53 pounds as surplus. So one colony of honeybees on an acre of alfalfa will produce 120 pounds of seed and 53 pounds of honey.

The bee population increase proposed by Mr. Grandfield for Kansas would mean a potential alfalfa seed yield of 50 million pounds—compared with 12 million pounds in 1950. That's an ideal, but with bees and proper use of insecticides that kill harmful insects and help beneficial ones, Mr. Grandfield thinks alfalfa seed yield could be doubled.

**Price Rollbacks**

(Continued from Page 5)

mind the expropriation of foreign-owned petroleum companies by Mexico several years ago. The United States Government protested, but did nothing.

As one competent analyst (the Freeman magazine) puts it, referring directly to Iran:

"The perfect pattern for any backward people who happen to sit in a strategic place with a fuse in their hands."

One of the great talking points for "Point Four" is that it would encourage American private capital to invest in "backward areas," with U. S. Government promising that if there were losses, the American taxpayer would take care of them.

Again quoting from the Freeman: "The foreign government may make a contract with private capital to develop its resources, but if the (government) becomes dissatisfied with the bargain it may exercise its sovereign power to break it. And there is nothing that can be done about it."

"Such being the state of facts, what has become of Mr. Truman's Point Four?"

One might suppose the Iranians, having in mind the advantage of Point Four, would not want to damage their chances of benefitting from it. They know that Mexico seized American oil properties and were not cut off from the American purse.

From past history and present U. S.

programs, they may well have believed the Truman Administration, rather than give up Point Four, will go all the way and guarantee absolutely the investments of its citizens in undeveloped countries. And they may be right.

From the viewpoint of political demagoguery, the House-passed tax bill approaches perfection. Take-home money in the lowest income brackets would not be much affected. Not so the middle and higher income brackets. Here are some comparative figures based on gross income (less 10 per cent reduction for state income tax, interest payments, etc.) for married man with two children:

Gross Income	Tax Paid Present Law	Tax Paid House Bill
\$ 2,800	\$ 24	\$ 27
5,000	420	473
10,000	1,372	1,544
30,000	7,058	7,940
100,000	44,724	50,315
300,000	195,804	214,677
500,000	356,965	384,777

Opponents of the House bill 12-per cent flat increase argue that as an anti-inflationary measure it is a dud. The place where the aggregate spending power is being created by the war boom practically is not touched.

But as a program for redistributing the wealth, and discouraging savings for investment, on top of the present rates, it seems to be a honey.

**A Man-Hour of Labor**

Compared with 40 years ago, a man-hour of farm labor now produces 200 per cent more food grains, 100 per cent more feed grains, 75 per cent more fruits and nuts, 50 per cent more truck crops and cotton, about 50 per cent more milk and poultry products.

According to a new bulletin of the U. S. Bureau of Agricultural Economics, the rise in productivity of labor in crop production has exceeded that in livestock production. Here are the 2 big factors behind increase in crop production per hour—rise in production of crops per acre and decrease in man-hours per acre due to mechanization.

Changes in labor productivity in raising and processing certain farm products since 1919 have been outstanding. Samples: Cotton production, increase of 57 per cent; meat animal production, 70 per cent; sugar beet production, 64 per cent; tobacco production, 11 per cent; food grain production, 166 per cent. The increase in flour and grain mill output was 62 per cent; manufacture of bread and bakery goods, 21 per cent; ice cream manufacture, 150 per cent; manufacture of tobacco products, 186 per cent.

"No other farm product, and few old and established industries, can match the gains made in food grains per hour of labor during the last 30 years."



# THE RIGHT SPEED

## ...FOR EVERY IMPLEMENT!

Every implement you use with your tractor does its best work at a certain speed. 12 forward speeds are none too many if you will stop to analyze it.

With the new Sherman "Combination Transmission" in your tractor, you have these additional gear speeds: 4 Step-Up, 4 Step-Down, 2 Reverse (including a slower reverse), 2 PTO.

Added speeds increase the usefulness of your tractor. When the going is heavy, shift to "Step-Down" and rev your engine up to get the correct PTO speed and the right ground speed. This gives you up to 37% more power. In addition, the added intermediate gears allow you to work many more acres per day on most jobs at substantial per-acre savings in gasoline, oil and engine wear.

The "Combination Transmission" is available for Ford and Ferguson Tractors. Sherman also offers a choice of a "Step-Up Transmission" or a "Step-Down Transmission" for Allis-Chalmers WC, RC and WF tractors. These transmissions provide a total of 8 forward and 2 reverse speeds to increase your tractor's efficiency and operating economy.

See your tractor dealer today—or write:

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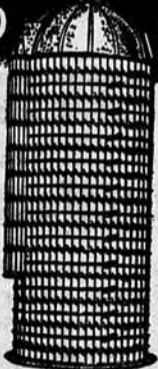
Don't let the rain hold up your Hay and Grain Harvest. Use HESSE HAY and GRAIN DRYER. Harvest your crop without danger of moisture spoilage or heat.

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1213 Dace Street, Sioux City, Iowa

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Plan NOW to save your feed and your money! White Top Silos' Interlocking Stave construction and super three-coat Glaze Process guarantee feed savings by helping to prevent spoilage! SEND FOR FREE INFORMATION TODAY!



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# Marketing Viewpoint

By Leonard W. Schruben, Feed Grains; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs.

Should I get a loan on my wheat?  
—D. W.

If it is in condition to be acceptable for government loan, there would be little advantage in not taking out a loan so long as market price is below the support price. Early reports indicate most farmers will be able to find commercial storage space this year. Wheat stored on the farm must be watched closely to keep it from going out of condition. It appears wheat prices will average at least as high as the support price this year. There has never been a year since the wheat support program began that market price hasn't reached the loan rate sometime during the year.

What can we expect for prices of fluid milk this fall?—P. D.

Fluid milk prices are expected to reach record levels this fall. This does not mean dairying will be more profitable than other enterprises, however. It is likely we will see some price controls on farm prices of milk this fall. On June 15, wholesale milk was 98 per cent of parity. Manufacturing milk prices have been about 91 per cent of parity. Butterfat prices on June 15 were 99 per cent of parity—or an average of 69.8 cents per pound.

What are the general long-term prospects for production and consumption of broilers?—W. H.

Recently H. H. Alp, director of the poultry department, American Farm Bureau Federation, summed up the prospective situation as follows: "We can go far beyond present levels of production just so long as we keep producing, processing, and marketing quality (products) at a reasonable price to consumers, and provided we take the initiative to develop new markets waiting to be tapped. . . . The present package of ready-to-cook poultry is responsible as much or more than any other factor for providing new and better market outlets for producers."

## Farm-Boys' Quartet Makes Big Hit

Four Kansas farm boys who started singing for fun recently found themselves on a national radio show and on television. Norman Wingert, Verlin Zumbrunn, Max Entriken and Glenn Kelley are members of "The Four Naturals" quartet. All 4 were seniors in Dickinson County Community High School, at Chapman.

As state winners, the quartet appeared on the Horace Heidt "Youth Opportunity Show," broadcast nationwide from Oklahoma City recently. Also, they appeared on a television show at Fayetteville, Ark.

## Apple Crop

H. L. Drake, secretary of the Kansas State Horticultural Society, represented the organization at the annual meeting of the National Apple Institute, St. Louis, Mo., June 13 to 15. Crop estimates are made by the Institute each year, and the indicated forecast for Kansas for 1951 is 750,000 bushels of apples.



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"See, tastes terrible, doesn't it?"

# America's Busiest Farm Buildings

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STRAN-STEEL

# QUONSETS



Storing Potatoes in Maine



Corn Drying and Storage in Iowa



Dairy Barn in Minnesota



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Cottonseed Storage in Alabama

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Quonsets are all steel. They are wind-resistant, non-combustible. They are quick to erect. They are reasonable in cost. (Total in-place cost will surprise you!) They are versatile. They are strong and long-lasting . . . made of arch-ribbed, nailable Stran-Steel framing.

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There are many reasons for such preference for this busiest of all farm buildings.

The Quonset is versatile . . . perfect for crop storage, housing livestock or machinery, and dozens of other uses. More than that, the Quonset is an efficient, shirt-sleeved working tool that increases production, cuts legwork and back-breaking drudgery to a minimum.

Doubtless you know someone who has a Quonset building on his farm. We suggest you talk to him. Or call in your Quonset dealer and get a list of the farmers in your section who have solved the farm building problem—profitably—with one or more Quonsets. Use the coupon for valuable information on buildings best suited to your type of farming.



Quonset 32



Quonset 24



Quonset 40

Use this coupon for information about Quonsets as a farm production tool. We will include data on sizes, colors, and the name of your nearest Quonset dealer, from whom you can get the detailed costs.

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## NATIONAL STEEL CORPORATION



# Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



**CHOOSE PEACHES** with no lingering green, juicy, ripe and firm.



**PEEL WITHOUT SCALDING** to prevent softening of outer layer.

## When You Freeze Peaches

**I**T IS GOING to be wonderful to have all the peaches your family likes right on hand when you want them. Freezing is one way and a good one if all precautions are taken in the process. No steamy, hot kitchen when you're freezing fruits, you know and peaches come at the hottest time of summer.

As to precautions. For instance it has been found that peeling without first dipping into boiling water is one precaution. Dipping causes the outer layer to soften in frozen fruit.

Then there's the matter of using ascorbic acid, commonly known as vitamin C, to keep peaches from darkening in the freezer.

But to begin at the beginning, peaches best to freeze are those that are best to eat at the moment, juicy, ripe, but still firm, with no lingering green that means they are not yet ready. Allow about 1 to 1½ pounds for each pint container you wish to fill.

After washing the peaches, cut into halves, then remove pits. Here is the time to peel carefully to retain a smooth appearance. If you need to hurry, dipping into boiling water, then into cold to loosen the skins is permissible, but they won't be the best peaches in the world. Now pour some cold prepared sirup in the first jar or carton.

So the cut fruit will not darken in the air, slice peeled peaches directly into the cold sirup in the jar or carton. Making the sirup, of course, is done in advance. It's made by dissolving 3 cups of sugar in each 4 cups of water. Then add ½ teaspoon of ascorbic acid to each 4 cups of cold sirup. Ascorbic acid comes powdered and in tablets and may be purchased in drugstores and at some freezer-locker plants.

A piece of crumpled parchment paper or locker paper on top of the peaches will hold the fruit down under the sirup. After pressing it down, add enough cold sirup to cover all the slices. Leave about ½ inch space for pints and 1 inch for quart containers. When jar edges have been wiped clean and dry, screw on lids tightly and your peaches are ready for freezing. If they must go to the down-town locker, set them in the refrigerator at once.

Heavily waxed, cellophane lined cartons or tubs may be used as well and they save space and make easy-to-stack containers.

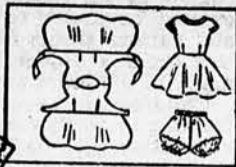


**MAKE SIRUP** in advance and add ascorbic acid to prevent darkening.



**ADD ENOUGH SIRUP** to cover and allow space for expansion while freezing.





4674  
SIZES  
2-10



9309  
SIZES  
34-48



### Your Pattern Parade

4674—One easy day of sewing makes this outfit. Sizes 2 to 10. Size 6 dress, 3 yards; panties, 1/4 yard of 35-inch material.

9309—Dress and bolero with slimming lines. Sizes 34 to 48. Size 36 dress and bolero trimmings take 4 yards 39-inch material; bolero 1 1/2 yards contrast.

4748—Designed for all occasions. Sizes 12 to 20. Size 16 takes 4 1/2 yards; 1/4 yard contrasting 35-inch.

4957—Slim and youthful with shoulder darts and scallops. Sizes 34 to 50. Size 36 takes 4 yards of 35-inch material.



4748  
SIZES  
12-20



4517  
SIZES  
12-20  
40



4816  
SIZES  
12-20

4957  
SIZES  
34-50



4816—It gives you the tiny-waisted look. Sizes 12 to 20. Size 16 takes 4 1/2 yards of 35-inch material.

4517—Wrap-tie dress for warm summer days. Sizes 12 to 20 and size 40. Size 16 takes 3 1/2 yards of 35-inch.

# ANOTHER POLIO CLAIM

## ON WHICH WE HAVE PAID \$6,000 IN BENEFITS IS THE CASE OF DONNIE RICHARD

HERE IS A COPY OF A LETTER FROM HIS PARENTS



Route 1  
Johnson, Kansas  
June 12, 1951

CAPPER'S INSURANCE SERVICE  
Capper Building  
Topeka, Kansas

Dear Sirs:

Our family shall be forever thankful that we purchased in April 1949 a Capper's Polio Policy for our son, Donnie Richard, aged 12 years.

Donnie was stricken with this dread disease on October 16, 1950, and in the course of his long illness this policy provided the very best treatment and care. Had it not been for the funds provided by this policy we could not have financed the tender care that Donnie received.

We are here listing the various expense items incurred for the treatment and care of Donnie, which Capper's Polio Policy paid:

- (1) Trained Nurse service 24 hours per day \$4,446.60
  - (2) Hospitalization, which included medicine, Kinney and Diathermy Treatments 1,554.40
- Paid ----- \$6,000.00

We are glad to recommend Capper's Polio Policy to any individual or family desiring the protection that it will afford. We received the most prompt and courteous service from Capper Publications, Inc. throughout the period of our son's illness.

This policy, on which we paid one annual premium has as of the date of this letter, defrayed the expenses in the case of our son's illness as the result of polio, to the extent of \$6,000.00.

We herewith authorize Capper Publications, Inc., to use this letter in whole or in part, in any way they may desire. We hope that it may be helpful to fathers and mothers in deciding to acquire for themselves and their children the protection and freedom from worry of this terrible disease, polio, which Capper's Polio Policy provides.

Sincerely,

*Homer Richard, Lucille Richard*  
Mr. and Mrs. Homer Richard

## CAPPER'S FAMILY GROUP POLIO POLICY

Protects Husband, Wife and All Unmarried Children Under 18 Years of Age. Each Insured Member Is Protected Up to \$6,000.

### No Waiting Period

All policies are issued in our office here in Topeka and each policy becomes effective on date policy is issued.

With new Polio cases developing every day, if members of your family are not protected by Capper's Polio Policy contact your Capper salesman, or mail a 1c postcard and we will gladly send you full information. You will be under no obligation. Mail your card to

## CAPPER'S INSURANCE SERVICE

11 CAPPER BLDG. — TOPEKA, KANSAS

Pattern Numbers	Size	Name
		Route
		Town
		State

Use coupon above. Send 30 cents for each pattern to Fashion Editor, Kansas Farmer, Topeka.



We Announce . . .

## Third-Prize Winner

By FLORENCE McKINNEY

WE HAVE written much about our library story-writing contest with seventh and eighth grade rural school children. Stories by the first and second prize winners have been published in this department in previous issues. Charles Blaser, of Star District No. 86 near Waterville in Marshall county, won third prize of \$10 for himself and \$50 in books for his school library.

District 86 is a one-room school 3 miles from Waterville. At the close of school Charles had 6 schoolmates. He lives on a 300-acre farm on which they raise wheat, corn, alfalfa, Hereford cattle, chickens and Jersey milk cows. An additional 320 acres are rented and farmed by Charles and his father, Lewis Blaser. Charles is a member of the Community Builders 4-H Club and this year carries wheat and Hereford heifer projects.

Star School folks are happy over the addition of the new books to their school library. Charles planned to buy turkey poults with his prize money. Here is his prize-winning story:

### Why I Like To Live On a Farm

I like to live on the farm because it is here I have the best opportunity to do the things I like. With present methods of transportation I feel I can enjoy the social advantages of the city and at the same time live on the farm.

Since I enjoy being a member of the 4-H Club, I am in position to have many worthwhile experiences made possible by being a farm boy. Moreover, the 4-H Club has given me a chance to get a start financially. I feel the 4-H projects will give me opportunities to help me make my living on the farm when I grow up.

Living on the farm gives me a chance to learn how to work with livestock and farm animals. I can learn to feed, care for, and show them. I like to raise poultry and I like the profit from this interesting project.

I like to help my father with the field work and chores. I especially like to drive a tractor. With the many farm machines used, there is often some repair work needed. I like to assist with the repairing when this is necessary.

I am interested in farm crops and I am planning to take Vocational Agriculture in high school. I hope to learn more about the new and improved methods of crop raising. While living on a farm I will have unlimited opportunities to gain more knowledge even tho I do not get to attend college.

I enjoy the outdoor life that living on the farm affords. Working and playing in the clean, fresh air of the country is healthful and beneficial to every person. My favorite hobbies are hunting and fishing. I like to live on the farm so I can watch changes in the scenery as the seasons go by. As a farm boy, I like the bright colors of autumn which are followed by landscapes blanketed with snow. The green buds and flowers of spring make me glad I live on the farm. But best of all, I appreciate the ripening crops in summer and fall.

Farming is a way of life that offers certain freedoms which the city man does not always have. I can set my

working hours and decide what needs to be done. It is true that most of the time farmers are tied down to their farms, but they do not have to work under the constant supervision of another person.



CHARLES BLASER, of Waterville, wins third prize in our library story-writing contest.

Last of all, I like to live on the farm because I know that the farmer is the man upon whom all the people living in cities depend for food and much of their clothing. There is a satisfying feeling after a hard day's work in knowing that I have done my job and that my work will help others.—By Charles Blaser, Route 2, Waterville.

## Reward, Praise Will Help

By MRS. MARION QUINLAN DAVIS

"I have been having a problem with my 4½-year-old daughter. She wets her panties constantly while at home. Away from home she does much better. I have tried spanking, locked her in a closet, ignored her, shamed her, but with no success. What shall I do?"

THIS question received from a farm homemaker was referred to Mrs. Davis for reply. Here is her advice.

Twelve to 15 months is the time to begin toilet training. Most children are fairly dry by 3 years. Four-year-olds like to assume responsibility for their own toilet routine. It is a private affair behind closed doors. They can go to the toilet alone and manage their own clothes without difficulty. The whole subject should be treated as a normal, natural event, without a sense of shame or ugliness connected with it. If children have many interests to challenge them, they will not dwell excessively on toilet functions.



SCHOOLMATES OF DISTRICT 86 are back row, left to right: Larry Springer, Jimmy Hearn, Charles Blaser, winner; Lola Blaser and their teacher, Mrs. Rietzel. Front row: Jean Hearn, Bobby Blaser, Mae Springer, Ellen Blaser.

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★ Better Fit  
★ Longer Wear

Hyer boots are made from A-grade leathers—the finest, softest, longest wearing leather obtainable—and hand lasted for perfect fit. On foot, you're walking on air . . . and in the saddle, you're wearing the best in the West! In stock designs or your own design, sizes to fit men and women. See HYER Boots at your dealer or write direct.



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Makers of Fine Boots Since 1875  
OLATHE, KANSAS

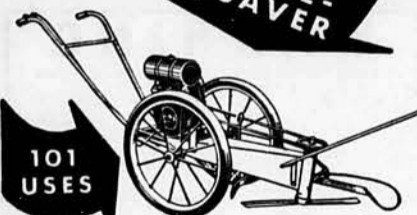
## KOSCH FRONT MOUNTED MOWER

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## ROOF Fence Row WEED CUTTER

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OUT OF WEEDS

TIME-  
SAVER



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CUTS WITHIN ¼" of fence rows, buildings, trees and other obstacles. Ideal for yard, timber, garden, orchard, spot weed control.

FORWARD DRIVE optional with new Self-Propeller. Can be applied when needed, idled for close work.

MOWS LAWNS, TOO! Just one simple adjustment. See your dealer, or for our special folder on keeping your farm LOOKING LIKE A MILLION, write

ROOF WELDING WORKS PONTIAC 6, ILLINOIS

Four-year-olds usually have poor control of the bladder when they are excited or under tension. Wriggling and various forms of accidental wetting occur at this age. They postpone going to the toilet as long as possible.

Children who have been given toilet-training too early may develop fears in connection with it. Then at any crisis such as strain, illness, shame or disappointment, they may revert to wetting. It often is a sign they wish to receive attention.

When a child habitually wets her panties at 4½, the symptom is called clinical enuresis. A doctor should be consulted first. If the urine test is negative, wetting is usually an emotional rather than a physical symptom. It is a red flag of danger telling that the child has a feeling of insecurity, a feeling of being unloved or that she feels that parents love another child more. Enuresis is frequent in orphanages. Children and even adolescents who were evacuated from English cities during the last war reverted to day-wetting and bed-wetting.

The child of 4 who habitually wets is likely to be easily excited and restless or an irritable child given to temper tantrums, nail biting and evidences of emotional blocking.

When efforts to break the habit have been too severe, wetting is one sign of resistance. She dawdles all the more because she has been pushed around too hard and bossed too much.

Spanking and other punishments are worse than useless; they are harmful. Do not nag, do not brow-beat, threaten, whip or shame. Never lock a child in a dark closet. Calmly express disappointment, but the best method is to assure the child of your affection for her, your faith in her and her ability to control herself.

Reward and praise will help. See that she has plenty of sleep, rest and in-

## Have a Question?

We invite questions from readers on problems you face with your children. Questions about relationships between children, school problems, nail-biting, stammering, teasing . . . anything that confronts you that does not seem normal. Do you have a question? If so, send it to the Women's Editor, Kansas Farmer, Topeka. Mrs. Davis will answer in a future issue.

teresting play. Give her a feeling of success, responsibility and accomplishment when she helps with small chores. Praise her for the good habits she has and don't talk about the wetting. She needs a pleasant, cheerful home with no tension or friction.

## Canning Guide

The little booklet, "Answers by the Canning Doctor," has 56 pages of interesting facts about jellies, jams, preserves, canned fruits, pickles, home freezing and many other subjects. Write for your free copy to Home Editor, Kansas Farmer, Topeka.

## Foil Again Available

You'll be able once again to get aluminum foil. The National Production Authority is permitting its manufacture. The supply for home use will not be as large as formerly because many military supplies are wrapped in foil. Ration packages, cigarets, machine parts, medical supplies all use aluminum foil.

## Shower Suggestions

Surprise Shower for the Prospective Mother. 3c.  
Bride-to-Be Tea Shower. 5c.  
Sewing Shower for the Bride-to-Be. 5c.

We can give your order prompt attention. Write to Entertainment Editor, Kansas Farmer, Topeka.



## The Recipe Corner

### Pickled Peaches

There's nothing better than well-made peach pickles and here's a good recipe.

- |                            |                             |
|----------------------------|-----------------------------|
| 8 pounds medium peaches    | 8 two-inch sticks cinnamon  |
| 2 tablespoons whole cloves | 4 cups sugar (beet or cane) |
| 1 quart vinegar            |                             |

Wash and skin peaches and stick 2 cloves in each. Or put cloves and cinnamon loosely in a clean, thin, white cloth and tie tightly. Cook spices, sugar and vinegar for 10 minutes, or until sirup is fairly thick. Add peaches and cook slowly until tender, but not broken. Let stand overnight.

In the morning, remove spices if they have been cooked in a bag. Drain sirup from peaches and boil sirup rapidly until thickened. Pack peaches in clean, hot, sterile jars. Pour sirup over peaches, filling to top. Seal tight. Keep in a cool place before serving.

### Carrot Relish

All the vegetables for this relish are available now. This will keep indefinitely if kept cool.

- |                       |                             |
|-----------------------|-----------------------------|
| 4 large carrots       | 2 tablespoons celery seed   |
| 8 medium onions       | 2 tablespoons mustard seed  |
| 9 red peppers         | 5 cups vinegar              |
| 9 green peppers       | 4 cups sugar (beet or cane) |
| 2 large heads cabbage |                             |
| ½ cup salt            |                             |

Grind all vegetables thru food chopper. Add salt and let stand 2 or 3 hours. Drain well. Add remaining ingredients, mix well and can cold.

### Apple Up-Side-Down Cake

- |                            |                          |
|----------------------------|--------------------------|
| ¼ cup butter               | 1 cup flour              |
| ¾ cup brown sugar          | ¼ cup boiling water      |
| 3 medium apples            | 1 teaspoon baking powder |
| ¼ cup butter               | ½ teaspoon soda          |
| ½ cup sugar (beet or cane) | ½ teaspoon salt          |
| 1 egg                      | 1 teaspoon ginger        |
| ¼ cup molasses             | ½ teaspoon cinnamon      |

Melt butter in baking dish. Add brown sugar and beat together. Pare and core apples. Cut each apple in half to make 2 thick rings. Arrange rings of apples in butter and sugar mixture. Cream ¼ cup butter, add sugar and cream together. Add beaten egg and molasses and blend. Sift dry ingredients and add to mixture. Lastly add boiling water, mixing quickly. Pour all over apples in baking dish and bake in moderate oven (325°) for about 40 minutes. Turn up-side-down to serve.

### Lemon Pudding

- |                            |                         |
|----------------------------|-------------------------|
| 3 tablespoons flour        | 2 egg yolks, beaten     |
| 3 tablespoons butter       | 1 cup milk              |
| 1 cup sugar (beet or cane) | juice of 1 lemon        |
|                            | rind of 1 lemon, grated |
|                            | 2 egg whites            |

Combine flour, butter and ¼ cup sugar. Add egg yolks, milk, lemon juice and rind. Beat well. Add remaining sugar to stiffly beaten egg whites and fold into first mixture. Pour into buttered baking dish. Place in pan of hot water and bake in moderate oven (350°) for 1 hour. Chill. The top is like cake, the under portion a delicious lemon custard. Serve with whipped cream if desired.

### Hollyhock Ladies

A lovely sight on a hot summer day, Is my hollyhock garden, cheerful and gay, Colors of crimson, rose, yellow and white, Are mingled together, a beautiful sight. I pretend they are ladies, so friendly are they, I'm never lonely during their stay. Meet Lucinda, Cornelia, Fostoria and Sue, Patricia, Christina, Rosella and Prue. They nod and wave when the soft breezes blow, I'm glad when they come and sad when they go.

—By Mrs. Carrie Wiggans.

### Planning a Wedding?

Everything a bride and her mother should know in planning for the wedding is given in our leaflet, "The Bride's Blue Book." Send for your copy today, to Entertainment Editor, Kansas Farmer, Topeka. Price 5c.

### Old Fashioned Playhouse

Built in the corner of an old rail fence, Or the tangled root of a tree, Each room marked off with pieces of stick And peopled in fantasy.

Amid cherished bits of once fine dish, And sparkling pieces of glass, We, who knew no other, Saw fairyland come to pass.

—By Leah Lancaster.

## You Need These!



These aprons take little material and are easy to embroider and sew. Potholders to match. Perfect for your own club meeting, for gifts and for the bazaar.

Send 25 cents for Pattern C 7057 to Needlework Editor, Kansas Farmer, Topeka.

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**CHEMICALS FOR THE FARM**

## WARNING

Don't let the rain hold up your Hay and Grain Harvest. Use HESSE HAY and GRAIN DRYER. Harvest your crop without danger of moisture spoilage or heat. See your nearest Hesse dealer or write the HESSE COMPANY 1213 Dace Street, Sioux City, Iowa

## KIDNEYS MUST REMOVE EXCESS WASTE

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!



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MISSOURI

**What Brush Killers Can Do**

(Continued from Page 4)

in winter or in early spring periods. Let's consider advantages and disadvantages of these methods. Foliage spray is most commonly used—especially by public utilities in spraying right-of-ways under telephone and electric lines. It has been estimated 75,000 miles of telephone and power company right-of-ways will be sprayed in Kansas this year. Because chemical control works on the principle of translocation, this spray is most effective after brush has completely leafed out and leaves are sending plant foods to the roots. This spray can be continued until about 2 weeks before frost.

In foliage spraying the big thing is to get all leaves and stems covered. For any good-size area this means a power sprayer for all practical purposes. You need pressure to get leaves completely covered, also you need a considerable volume of water. Incidentally, foliage sprays are mixed with water.

Power spray equipment can be fitted to the job. Some REA co-ops are buying big pressure spray rigs mounted on trucks. When spraying is done from a truck there is more danger of drift. Smaller spray outfits can be put in the back of pickup trucks, or mounted on a trailer. This equipment has long hose and the spray operator works on the ground, regulating the spray with an adjustable nozzle.

Some who have had extensive experience with chemical control of brush believe all spraying should be done from the ground with a hose. It is important to get the fog of spray on the bottom side of leaves. Not only are leaves more tender on this side, rain will not wash spray material off.

That omits the airplane. Altho the airplane has done yeoman service in saving wheat crops from weeds, it just doesn't seem to be completely adaptable to brush and tree spraying at present.

**Will Find Many Uses**

One of the best buys for a farmer is a power-take-off unit to mount on a tractor, equipped with booms for crop spraying and hose with a spray-gun nozzle. This versatile equipment will find many uses on the farm; livestock can be sprayed with insecticides.

The foliage-spray method has its limitations—it's best for small brush. If trees are more than 10 or 12 feet high, cost of spray materials will be considerable.

How much does it cost to spray brush? That depends on size and thickness of brush, but experts say maximum cost would be \$12 to \$15 an acre. This would be for extremely thick brush; normally the cost would be more nearly \$5 an acre.

Dormant spraying is just that—spraying in winter when leaves are off. If dormant sprays are used they should be mixed with kerosene, fuel oil, or some such oil to give better penetration, and to keep spray on brush longer. This method is more costly; oil carrier costs more than water. Dormant spraying, tho, can be justified if there is danger of drift to crops or trees that are not to be killed. Large areas again call for power equipment for dormant spraying.

Stump spraying is cheapest of all; you only need to spray a little material on the freshly-cut stump. You can do it with hand sprayer, knapsack sprayer, or a paintbrush. Stump spraying calls for cutting the trees, and is especially good for large trees that can be removed, then the stumps sprayed to prevent sprouting. It's normal for every stump to produce about 6 sprouts, usually more.

Cutting trees and brush naturally is work. With power saws this has been made easier. Power chain saws are excellent for large trees. Mounted circular power saws have been very popular. Dealers have sold them in large quantities. These saws are particularly good for small brush that can actually be moved with these saws. They will handle larger trees, too.

With chemical sprays, you can cut brush or timber and know you need do it only once. Formerly, utility line right-of-ways needed cutting every few years. It was a never-ending job.

We have found few farmers who have been able to clear much land with saws, even power saws. Certainly, the saws perform well, but clearing off a big tract in spare time gets too big. There's less and less time for such



"Aunt Martha, remember when you said you wished Gerald was yours for just one day? Well . . ."

jobs on the farm with labor more scarce.

So after interviewing experts on this problem of brush spraying, we believe the most practical method for Kansas farmers is basal bark treatment. By this, we mean spraying the lower trunks of trees.

Big advantage of this method is that it can be done most any time of year. Best results seem to come in late winter or early spring—when you can get into the trunks of trees. Normally, trees are sprayed on the lower 18 inches of the trunk, but on larger trees you can get more material on the trunk by spraying a little higher.

It is unbelievable that you can spray a little chemical on the lower trunk of a good-size tree and it will kill the entire tree. But that's just what happens.

Looking at the problem of brush spraying in a practical way, there's one big question to decide. Should you cut trees or brush before spraying?

The answer will depend on several factors. If there is no objection to appearance of standing dead brush it would seem the easiest way to clear land would be to spray it—using the basal spray on larger trees, the foliage spray on smaller brush.

If you have never examined brush that has been treated it's hard to believe it can be so rotten. One demonstration area was sprayed in January of 1950. Yet the brush already was so rotten this year that big sprouts could be easily snapped off at ground level.

After sprayed trees stand 3 years they can either be pushed or pulled from the ground with a farm tractor.

Naturally, standing dead brush is not attractive. If standing dead brush is objectionable, then cutting should be done before spraying. Cost of cutting can be partly offset by the reduced cost of spraying stumps. Green trees are easier to cut than dead ones.

Smaller brush can be cut either before or after spraying. On one farm, we saw fence rows that had been sprayed and left untouched. In a couple of years there scarcely is anything left.

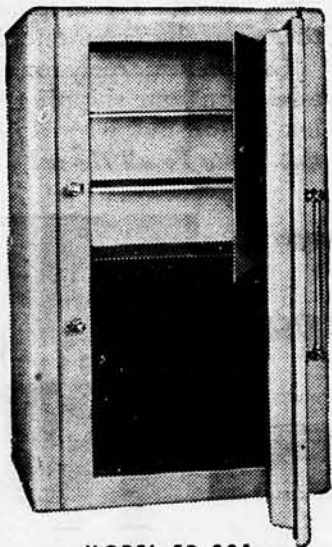
One notable thing about spraying either brush or fence rows is how quickly grass grows in treated areas. Grass will come in immediately altho the brush is left standing.

In a few more years we should have many examples of large-scale brush control.

**For Rats and Mice**

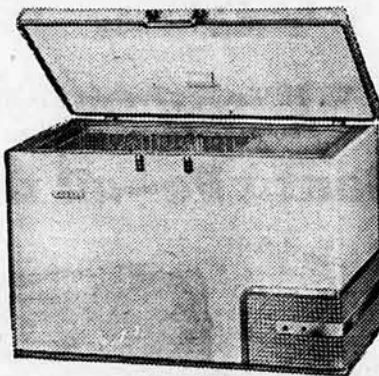
Warfarin, recently developed rat poison, is quite effective but should be used with caution, as with all poisons, according to a Fish and Wildlife Service official. "Warfarin can be dangerous to any warm-blooded animal, altho no cases of human illness have been reported." To prevent accidents, the Fish and Wildlife Service recommends that bait materials be placed only in protected locations and all carcasses of dead rats and mice be removed promptly.

An illustrated 4-page circular is now available giving more information on this new product. Please address Farm Service Editor, Kansas Farmer, Topeka, and ask for the FWS circular on Warfarin, enclosing 3c to cover postage.



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REX now does for your livestock what Mother Earth oftentimes is no longer able to do—provide vital minerals in sufficient quantities for raising strong, healthy, thrifty livestock. Your own profits may be the victim. Take the gamble out of livestock feeding with REX.

**ESPECIALLY IMPORTANT** are calcium and phosphorus. REX contains enough of each to guarantee faster, heavier gains and better animals. REX also contains iron, copper, manganese, cobalt and stabilized iodine. Get REX from your local feed dealer, in 50-lb. and 100-lb. bags or 50-lb. blocks.

FREE folder shows what REX means to you—Address: REX, American Salt Corp., Dept. X-4, 20 W. 9th St. Bldg., Kansas City 6, Mo.



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Makers of Big 6 Trace Mineral Salt and Big 4 IODIZED Mineral Supplement Salt

**WARNING**

Don't let the rain hold up your Hay and Grain Harvest.

Use **HESSE HAY and GRAIN DRYER**. Harvest your crop without danger of moisture spoilage or heat.

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**HABCO CORN CRIBS**  
*America's Finest!*

Anticipate needs now. Due to steel shortages and the anticipated large corn crop, you will be wise to place your order now with your favorite dealer.

Habco Corn Cribs are all galvanized

- TRIPLE LIFE-COPPER BEARING BAR MESH
- 6x16 PANELS
- EASIEST ERECTING
- CRIB SOLD TODAY
- PAT. UNDER ROOF CONSTRUCTION

Also Tunnels and Ventilators Ready for Delivery

4 CONVENIENT SIZES  
800-1110-1410-1680-Bushel Capacity  
Write Dept. KF-10

**HABCO MFG. CO., Columbus, Nebr.**  
Please send me complete information and name of my nearest dealer.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

**Cow Testing**

(Continued from Page 1)

records, camp stool, card table and chair, and an adding machine.

Two 50-foot extension cords allow Mr. Loder to plug into any dairy barn on his route. In the truck he has electric lights, a mantle radio, his heating element for water. In summer he carries an electric fan, in winter a heater, and all year he carries a hot plate so he can make coffee to go with sandwiches or other food brought with him. All the extra, convenient comforts of home—on wheels.

"It never is necessary for me to enter a farmer's house in connection with my work," says Mr. Loder.

Sometimes he handles everything alone. Other times, when she can get away from her homework, he has the help of Mrs. Maxine Rariden, a farm-reared girl who loves dairy cattle and testing work. When she can help she does the book work while Mr. Loder does the testing. The truck is large enough so both can work in it at the same time. Working together, they can handle 2 herds a day and return to McPherson every night.

**Too Many Trips**

"Under the old system of testing," says Mr. Loder, "I was on the dairyman's place 16 to 18 hours at a time. I would arrive at 4 or 4:30 o'clock in the afternoon, be there for dinner and the night, then breakfast and lunch next day. All my equipment had to be carried in and out of the dairy barn. That took time and my stuff was often in the dairyman's way. Books and adding machine had to be taken into the house and often I had to make several trips back to the car to get everything I needed. It seemed like everything I did was an inconvenience for both the dairyman and me.

"With my traveling laboratory," continues Mr. Loder, "the schedule is a lot different. I stop on the farm for an hour or a little more in the evening and then go on into town to spend the night. Next morning I eat breakfast at home, then drive out to the farm, arriving there by 6 o'clock. I usually can work that farm and another neighboring farm and then be gone by the time noon arrives.

"Since all the equipment is in the truck," he adds, "I don't need to bother the dairyman or clutter up his milk barn. His record book is brought up-to-date while I'm there and his book never is taken off the farm. I also carry his records for the 2 previous years. Many times he will want to check those back records or I will have some question I want to ask about them. There is no lost time anywhere now and the whole thing works out to our mutual benefit."

Quentin Kubin, a member of the testing association, says there is one more big advantage to Mr. Loder's traveling laboratory. "Most testers," he says, "have trouble during cold weather keeping the acids used at a constant temperature. Testing sometimes has to be done in the house to get the proper temperature. I am satisfied Mr. Loder is giving me a more accurate test now than he could before he had his laboratory where he has constant temperature control."

**System Speeds Process**

If he isn't satisfied with his test now, however, Mr. Kubin or any other dairyman in the association, can call for a second test on the spot. Because Mr. Loder's system speeds up the entire process he can take time to do this, if necessary.

The morning we got this story Mr. Loder and Mrs. Rariden had tested 36 cows in 2 herds, completed the record books on both farms, and said they would be ready to leave the second farm by noon.

Naturally, Mr. Loder can't operate his traveling laboratory without some expense, but the cost to the dairyman is very small. And the association member has a choice. If he wants to feed Mr. Loder 3 meals and keep him for the night, he can do so. But unless the dairyman insists, Mr. Loder prefers to go back to town. His charge for going home and coming back the next morning is \$1.50 extra.

Applying this idea in other testing associations may present some problems, but these probably can be overcome if members want this type of service. We know if you like the idea you will find a way to use it in your association.

**WARNING To Poultry Raisers!**

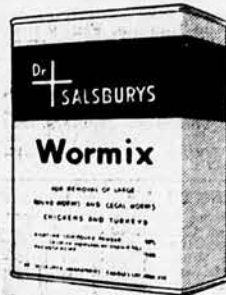
**WORMS** In Poultry  
**Cost you extra profits**

**in growth and egg production**

**REMOVE**

Large Roundworms, Cecal Worms From Growing Birds

**NOW** with **DR. SALSBUARY'S Wormix**



**Flock Wormer Easily Mixed in the Feed**

Thousands of poultry raisers last year saw their growing birds do better with less feed after worming. They got extra eggs, faster growth from their flocks. Get these benefits this year. Worm your growing birds and pullets with WORMIX. Easily used in the feed. This low-cost flock wormer expels large roundworms and cecal worms with outstanding effectiveness.



Which Bird Has The Worms?

Normal Appearing Birds Often Worm Infested

Improvements in breeding, feeding, etc., make it difficult to tell whether a bird is wormy. So, don't take the chance of losing many dollars in wasted feed, retarded growth, egg production, due to worms. The cost of worming is so low you can't afford not to worm.

Get the **TAPES\*** with Dr. Salsbury's **CLORO-CAPS**. Individual treatment; expels tapeworms, large roundworms and cecal worms.

Don't risk wasted feed, loss of profits, by not worming. See your Dr. Salsbury dealer, at hatchery, feed or drug store. Dr. Salsbury's Laboratories, Charles City, Iowa.

When you need poultry medicines, ask for

Dr.

**SALSBUARY'S**

\*The Most Common and DAMAGING TAPEWORMS of All: R. Cesticillus, R. Tetragona, R. Echinobothrida.

**BUY UNITED STATES SAVINGS BONDS**

**KRAUSE** cuts farming costs with easy-working controls

Your new Krause K-3 one-way plow features the easiest-working controls and adjustments you ever saw. Precise, positive depth control through land wheel screw . . . single-bolt swath adjustment . . . easy-set hitch . . . easy-working levers . . . steerable rear wheel—all these ease your work, speed up plowing and cut your costs.

See the new K-3 Krause 6 to 26-disc plows now!

**KRAUSE K-3**  
KRAUSE PLOW CORP., 330 S. MONROE, HUTCHINSON, 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
1/4	\$4.90	2	\$19.90
1/2	\$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

White, Barred Rocks, Hampshires, Reds, Wyandottes, \$9.95; pullets, \$12.95; cockerels, \$10.95. White, Brown Leghorns, Austral Whites, Black, Buff, Minorcas, \$9.95; pullets, \$15.95. Heavyweights, \$8.95. Mixed, \$7.95. Leftovers, \$6.95. Fryers, \$5.95. Barnyard Special, \$4.95 up. FOB 100% alive. Catalog, Bush Hatchery, Clinton, Mo.

Coombs Broiler Chicks, Silver Cross. Real cross-bred vigor. Columbian patterned white plumage. Fast growing. Fast feathering. Make good profits on our farm. Excellent satisfaction to broiler customers. Hatching now. Can fill orders promptly. U. S. Fullorum Passed. Free circular. Write: Coombs & Son, Box 6, Sedgwick, Kan.

DeForest Blue-blood Chicks Production or Broiler breeds. Hatching year around. Broad-breasted Bronze and Beltsville White Poults in season. DeForest Hatcheries, Box E, Peabody, Kan.

### MACHINERY AND PARTS

Don't Be Docked at the elevator—save the full feed value of your hay! Write for testimonials acclaiming the success of Hesse Hay & Grain Dryer. Hesse Company, 1213 Dace, Sioux City, Iowa.

One-way and Disc Sharpener \$27.50 prepaid. Operates from any farm power. No dismantling. Guaranteed. Write for circular. Tri-State Automotive Co., Kimball, Nebr.

For Sale: 1946 Studebaker Pick-up, 1 ton chassis with 3/4 ton bed and 4 speed transmission. Call 4-6726 Topeka, Mrs. Sam Roller, Rt. 6, North Topeka, Kan.

We Sell Rain. Flood gates, Sprinkler systems. If it's irrigation equipment try us—we trade. Conrad's, Gaylord, Kan.

### FARM EQUIPMENT

**SILO SEAL** Protect your silo walls  
Write today for free literature.

McPHERSON CONCRETE PRODUCTS CO.  
904-1126 West Euclid McPherson, Kansas

For Sale—40% Butyl Ester 2,4-D, 2 1/2 lbs. of 2,4-D per gal., 5 gal. prepaid to you \$22.50. A well known brand. Beloit Battery & Electric, Beloit, Kan.

Very Low Cost Wire Winder. Roll and unroll wire with tractor power and speed. Free literature. Midwest Wire Co., South St. Paul, Minn.

### AUTOMOTIVE

For Sale—New Fairbanks-Morse and Wiles magnets for all models John Deere Tractors, \$20.00 prepaid. Give model and year of your tractor. Beloit Battery & Electric, Beloit, Kan.

### EDUCATIONAL

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America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 17 years in Operation. Don't be misled. Term soon. Free catalog. Write  
**REISCH AUCTION SCHOOL, Mason City, Iowa**  
Auctioneering—Term soon. Dept. 22, Missouri Auction School, 3429 Troost, Kansas City, Mo.

### LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average farmer Milking Shorthorns are unbeatable. Produce 4 1/2 milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm. Write for Facts and Free sample copy of Milking Shorthorn Journal. American Milking Shorthorn Society, Dept. KF-5, 313 So. Glenstone, Springfield 4, Mo.

### DOGS

Shepherd Pups ready to train. Males \$10.00, females \$5.00. Heelers guaranteed. Lloyd Thalheim, Long Island, Kan.

Best Terrier Puppies. Bred for ratters. Crusaders Kennels, Stafford, Kan.

Wanted—Fox Terrier Puppies. Box R, Stafford, Kan.

### WANTED TO BUY

Wanted: Horse Hair, Tail and Mane. Rabbit skins, wool, pelts, beeswax. Write for prices, shipping tags. Sturges Co., 2630 "N" St., Omaha, Nebr.

## Summer Camps Busy With 4-H's

Camping season is on for Kansas 4-H's. About 100 junior leaders in 4-H Club work attended the recent 7th annual Southeast Kansas 4-H junior leadership camp at Cedar Bluff Camp, near Coffeyville. This group was from Montgomery, Cherokee, Neosho, Bourbon, Wilson, Elk, Chautauqua, Cowley and Butler counties.

Sixty-five of the county camps in 1951 are being held at Rock Springs Ranch, the state 4-H leadership center. Other camp sites being used by 4-H members and their leaders this summer include: Camp Wentz, Ponca City, Okla.; Camp Teel, Oswego; Sun Springs and Sycamore Springs, both located in Brown county; Sedan city lake, and Scott County lake camp. On July 18, the Southwest Kansas camp at Dodge City opened its season and continues

### 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.

Great News! Our famous Century Jumbo Oversize finishing at contact prices. Our Chicago plant, with new improved equipment, exclusive with Century, produces sensational quality work. Any 8-exposure roll finished deluxe style only 35c. 12-exposure, 50c. 16-exposure, 60c. 36-exposure, \$1.35. Oversize reprints 4c each. Free mailers. Send us your next order, you will be delighted with results. Century Photo Service, Box 5208, Chicago 80, Ill.

16 Prints or 8 Jumbos from roll, 25c with this ad. 1 Skrudland, River Grove, Ill.

### SAVINGS AND LOANS

Let the Mailman help you save. Our advertisement in this issue tells you how you can save by mail and earn 3% at the current rate. We'll be glad to send you full particulars. Max Noble, President, United Building & Loan Association, 17 East Williams, Wichita, Kan.

### RABBITS AND PIGEONS

Earn Up to \$400 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark 71, O.

### HELP WANTED

Wanted: Reliable, ambitious, honest single men, on ranch September 1. Wintering 500 Angus cows. No smokers drinkers. One hundred twenty-five dollars per month with board. Yearly bonus to deserving workers. Warner Ranch, Dodge City, Kan.

### AGENTS AND SALESMEN

For Those Extra Dollars show the Hye-Quality line of Christmas and Everyday cards. Christmas Feature 21 in — Everyday 21 in — an improved White Christmas box—gift wraps—imprint stationery, napkins, personalized matches and many attractive gift items. Imprinted Christmas cards 50 for \$1.25 up to 25 for \$2.95. Folders free. Orders shipped within 24 hours. Exclusive Doehle distributors, also. Careful and other fast selling lines. Write today. Hye-Quality Card Co., 1020 McGee, Kansas City 6, Mo.

At Last! Something new and sensational in Christmas Cards. Make extra money fast! Show gorgeous satins, velours, metallics never before offered. Gets easy orders! Pays up to 100% cash profit. Free samples 30 Christmas cards with name, 50 for \$1.25 up. 80 assortments. Personalized book matches and stationery, gifts. Several \$1.00 boxes on approval. Write Furo Co., 2801 Locust, Dept. 187-J, St. Louis, Mo.

### OF INTEREST TO WOMEN

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.

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

### 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 FOR RENT

For Rent—Good 328-acre grain and stock farm in northeast Kansas, usual cash and grain rent, or might consider 50-50 proposition with responsible party. Must have sufficient stock for 75-200 acre pasture and proper equipment to farm 80-100 acre small grain and hay, and equal amount corn. Write full details to Box 610, Kansas Farmer, Topeka, Kan.

### FARMS—MISCELLANEOUS

Big Free Summer Catalog! Farm and country real estate bargains! Pictures, many states, easy terms, many equipped, businesses. For Special Service, state requirements, desired location. United Farm Agency, 2F25-KF Main St., Kansas City 8, Mo.

Strout's Farm Catalog. Green cover! Mailed free! 3084 bargains, 33 states. World's largest! Our 51st year. Buy now, beat inflation. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

### OF INTEREST TO ALL

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water, pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Burson Laboratories, Dept. H-81, Chicago 22, Ill.

Save Chickens 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.

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

thru August 12. Six central Kansas counties will camp on the campus of Kansas State Teachers College at Fort Hays, August 8 to 11. Counties sending members to this camp are Rush, Stafford, Barton, Ellsworth, Ellis and Russell.

## Kansas Animals High At Dairy Show

Kansas 4-H animals ranked high at the 7th annual St. Joseph Interstate Dairy Show held in St. Joseph, Mo., recently. Lillie and Beryl Smith, Highland, ranked as 1st and 2nd high individual. A Brown county team took 1st place in the judging contest. Beryl also finished as grand champion of the entire fitting and showing contest. Elizabeth Warren, another Doniphan county girl, took 1st in fitting and showing Ayrshires. The Brown county team was made up of Joyce Pults, Horton;

Ray Olson, Willis, and Don Ritter, Fairview.

Blue ribbons went to dairy animals shown by these club members: Louella, Vernon and Marilyn Lewis, Severance; Elizabeth Warren, Troy; Lowell Mosier, Powhattan; Margaret Ming, Troy; Gilbert Smith, Highland.

Miss Smith, the Lewises and Mosier showed Guernseys, Miss Warren and Miss Ming, Ayrshires, and the Smiths, Jerseys.

## Make Changes in Extension Work

Two changes have been made recently in county agricultural Extension work in Kansas.

Wendell A. Moyer, Anderson county agent, resigned and joined the Kansas State College staff as Extension animal husbandryman, effective July 1. He replaces Carl G. Elling, Extension animal husbandryman, who retired from the staff July 1. Since Mr. Elling joined the college staff in 1914 he has specialized in sheep and swine production work.

New home demonstration agent of Wabaunsee county is Alice Baker, Holton. She takes office in August, following retirement of Mrs. Dalena Spencer. A graduate of Kansas State College, Miss Baker has served as assistant home agent in Osage and Pottawatomie counties this summer and in the summer of 1950.

## Sees Expanded Research Program

Additional funds appropriated by the recent state legislature for agricultural research became available July 1. R. I. Throckmorton, director of the Kansas Experiment Station, commented, with these funds, he foresees an expanded research program that will be of tremendous benefit to the state.

"Agricultural research in Kansas has been suffering from lack of financial support. As a result of the low state and federal appropriations, we have been only nibbling at the edges of some of the more important agricultural problems."

Needs for more funds for agricultural research work in the state were outlined in *Kansas Farmer*, in the February 3 issue.

## No Quotas on 1952 Wheat Crop

There will be no acreage allotments and no marketing quotas on 1952-crop wheat, announces Secretary of Agriculture Charles F. Brannan. The Department states the supply of wheat during the 1952-53 marketing year is expected to be below the quantity specified for marketing quota in existing legislation. Also, the continuing need for food in the uncertain world situation makes it advisable not to establish acreage allotments for the 1952 crop.

For the 1951 crop, wheat price support at a national average will be \$2.18 a bushel. Last year's average was \$1.99 a bushel. Loans and purchase agreements covering the 1951 crop are available thru the Commodity Credit Corporation.

## Ag Graduate Cited As Model Student

John Slaven, Arkansas City, June graduate in agriculture from Kansas State College, has been cited by the Veterans Administration as a model student. Slaven, who lost his eyesight in World War II during combat in Europe, was an outstanding scholar. He had a 4-year college average that was only one tenth of a point under the perfect mark. He had a 2.89 average, which was .11 of a point under the perfect 3. This fall Mr. Slaven expects to enroll in a graduate school to study general zoology, entomology and agronomy.

## Urge Early 2,4-D Sprays for Weeds in Wheat

Earlier spraying of weeds in wheat fields with 2,4-D sprays, when wheat is in the early jointing stage, is safer and more effective, comments Kansas State College agronomist J. W. Zahnley, than later spraying.

Because of damages occurring in unusual seasons like this year, the college agronomy department is recommending that 2,4-D spraying just before harvest be considered only an emergency measure. Damage this season resulted

from a combination of water-soaked soil, high humidity, poor root development of wheat and early dying of leaves. "Normally, none of these conditions prevail in Kansas at harvest time," Mr. Zahnley said. In past years, Kansans have sprayed wheat as it approached maturity without injuring it. Damage this year was worse in poorer fields of wheat, and stage of maturity at spraying time also may have influenced extent of damage.

Mr. Zahnley recently returned from a tour of Western Kansas. He reports 2,4-D sprays lengthen and weaken top wheat joints, which get brittle and break over within 3 to 5 days after being sprayed. The breaking condition is temporary, lasting only one week.

## Returns to Kansas

Clarence L. Gish, former Kansas State College poultry department staff member, is returning to Kansas from Colorado. He is leaving the poultry staff of the Colorado Agricultural College at Fort Collins to return to his poultry farm east of Manhattan. Mr. Gish formerly was Federal-State Supervisor of poultry and egg grading and inspection in Kansas.

## Camp Miniwanca Winners Named

Names of the 6 Kansas 4-H Club boys and girls who have won trips to the American Youth Foundation Camp at Shelby, Mich., for 1951 have been announced. They are Kathleen Copeland, Erie; Vera Banman, Centralia; Amy Lou Gard, Iola; John E. Gaddis, Ottawa; Eldon Johnson, Assaria, and Edward Johanson, Lindsborg.

Winners are chosen for outstanding project, leadership and community work. The girls will camp at Camp Miniwanca from July 30 to August 12, followed by the boys, from August 13 to 26.

### AUCTIONEERS



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LIVESTOCK AND REAL ESTATE  
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### SHEEP

## Nebraska Sheep Breeder's 15th Annual RAM and EWE SALE

Friday, August 3, 1951

State Fair Grounds  
Lincoln, Nebraska

90 RAMS—50 EWES

Hampshire, Shropshire, Southdown, Cheviot, Corriedale and Oxford. 10:00 a. m.—Judging Sale Sheep. Sheep Day Program Judge, Tommy Dean, Shepherd, Kansas State College. 1:00 p. m.—Auction sale of sheep. Mail orders filled. For information write:  
M. A. ALEXANDER, Secretary  
College of Agriculture, Lincoln, Nebr.  
Charles Corliss, Auctioneer

## NORTHWEST MISSOURI HAMPSHIRE SHEEP BREEDERS' ASSN. RAM SHOW AND SALE

SATURDAY  
Aug. 4, 1951

Purebred Livestock  
Sale Barn  
So. St. Joseph,  
Missouri

Show at 10 A. M.  
Sale at 1:00 P. M.

30 HEAD OF REG. HAMPSHIRE RAMS  
These rams are well grown, rugged, and most of them yearlings.  
16 HEAD OF CHOICE REG. HAMPSHIRE YEARLING EWES

CONSIGNORS  
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For catalogs or additional information write  
F. B. HOUGHTON, Secretary  
Northwest Mo. State College, Maryville, Mo.  
Auctioneer: Bert Powell



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**ANGUS are tops for CROSSBREEDING**

• 95% of calves are polled when Angus bulls are crossed with horned cows. Saves you trouble . . . boosts value of calves.

• Heifers have less calving trouble because calves sired by Angus bulls have smaller polled-shaped heads. Makes earlier calving practical.

• Less cancer and pinkey in Angus. Even Angus crossbreeds are resistant to these diseases. For more information, write Dept. KF.

American Angus Assn., Chicago 9, Ill.

**FOR SALE**

**12 HEREFORD HEIFERS**



Daughters and grand-daughters of Plus Lamplighter, with service to C. K. Crusty 70th, son of C. K. Cruiser D 34th, one-half brother to the famous Crusty's.

**STRAIGHT CREEK FARM**  
Whiting, Kansas

**POLLED HEREFORDS**



Our Polled Herefords from both ranches are well known through the Flint Hills of Kansas. We are a member of the Flint Hills Hereford Association. Our main ranch is located near Topeka, Kan., while our Mulvane Ranch is at Rossville, Kan., with Francis Davis, foreman. Sires in service are: MF Model Real, Fawnee Domino 22nd, Beau Perfect 24th and Prince Plato. Address all correspondence to

**ALLEN ENGLER & SONS**  
Rt. 1, 5 miles south and 1 mile west of TOPEKA, KANSAS

**Dairy CATTLE**

**ROTHERWOOD-Land of Oz**

Hutchinson, Kansas has used in her Jersey herd 7 Superior Sires—the only herd in this section of the country to have used 7 consecutive Superior Sires—and breeding stock is priced sensibly, too.

**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 occasionally. Visitors always welcome.

J. D. & E. E. FELLERS, Hays, Kan.

**Reg. Wisconsin Holstein Calves**

for higher production herds. Exceptional offering of choice registered Wisconsin Holstein Calves. Available in large quantities. Also some Guernsey and Brown Swiss. Vaccinated against shipping fever. Health sheet furnished. Well started no milk required. Visitors welcome. Write or telephone.

J. M. McFarland & Sons, Watertown, Wisconsin.

**DAIRY CALVES**

Cows. Bulls from Wisconsin's largest bonded distributors. Tested, registered Holstein, Guernsey, Swiss on approval. Lost cost. Free bulletin. Write MR. FORBES, Dairyland Cattle Company, 1203 West Canal Street, Milwaukee, Wis., or telephone Evergreen 4-6268 day or night.

**PUREBRED HOLSTEIN HEIFERS**

For sale: Six to freshen in August, and some open heifers. All from high producing dams. VOTH BROS. DAIRY, Route 2, Newton, Kan. One mile north of Goessel

**NEMAHA VALLEY HOLSTEINS**  
Rock-Burke breeding, HIR ave. 543.7 lbs. fat. Records up to 1,000 lbs. fat 3 yr. 2x. Bulls of service age and younger for sale.  
Mrs. H. D. Burger & Son, Seneca, Kansas

**August 4**

**Will Be Our Next Issue**

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

**Friday, July 27**

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

**Livestock Advertising Rates**

Effective February 1, 1951

1/2 Column inch (5 lines) . . . \$3.50 per issue  
1 Column inch . . . \$9.80 per issue  
The ad coating \$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



**IN THE FIELD**

**MIKE WILSON**  
Topeka, Kansas  
Livestock Editor

**ANNUAL FIELD DAY OF SOUTH-EAST KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION** will be Monday, July 23, at Forest Park in Ottawa. Angus cattle from breeder members of the Franklin County Angus Breeders' Association are being assembled for the event. Twenty-one herds and farms will be represented. There will be a judging school and contest for adults, veterans and 4-H Club and FFA members. Demonstrations will be given on foot trimming and types.

On the speaking program will be: Don Good, Kansas State College, secretary of Kansas Aberdeen-Angus Breeders' Association; Jess Cooper, fieldman, American Aberdeen-Angus Breeders' Association; Bob Hill, Kansas State Bank, Ottawa; A. G. Pickett, Kansas Livestock Commissioner, Topeka; Urban Simon, Angus Farm, Madison. Don Steward, Field Day manager, and Ray Koontz, president of the county association, have been busy with arrangements and several local committees to make the event interesting and successful. Awards will be made by Ottawa Chamber of Commerce commercial firms.

The **ORDELL GILL** registered Milking Shorthorn dispersal, Peculiar, Mo., June 20, brought out a good turnout of buyers from Missouri and Kansas. The demand was good and 31 lots averaged \$445.40. The top female sold for \$610 and the buyer was M. E. Edwards, Grand Pass, Mo. Her bull calf sold for \$185 to Duallyn Farm, Eudora. A 12-month-old heifer sold for \$390 to G. L. Barkham, Earlton. A heifer calf sold for \$235 to W. R. McCrary, Belton, Mo. A 10-month-old bull calf sold for \$360 to P. D. Walters, Paola. The herd sire, an injured bull, sold for \$430. This bull was Kingsdale Champion 18th. Eleven head went to Kansas buyers and 20 head stayed in Missouri. Mr. Gill stated he was pleased with the average made in his dispersal. Bert Creekmore, Pleasant Hill, read the pedigrees. Lee Blankenship, Peculiar, was auctioneer, assisted by Wayne Reid in the ring.

The **MIDWEST STUD RAM SHOW AND SALE**, Sedalia, Mo., on June 29 and 30 was well attended in spite of high water blocking highways in several states. One hundred twenty-eight head representing 5 breeds were sold. Hampshire rams—44 head including ram lambs—averaged \$203. Hampshire yearling and ewe lambs averaged \$136 on 30 head. Twelve Suffolk yearlings and ram lambs averaged \$161 on 12 head. Suffolk yearling ewes and ewe lambs—13 head—averaged \$130; 15 Corriedale yearling and aged rams averaged \$140 on 15 head; 6 Corriedale yearling ewes averaged \$93. Only Shropshire yearling rams were sold and 4 head averaged \$74. Two Shropshire yearling ewes averaged \$50. Two Oxford rams averaged \$83. Kansas buyers purchased 8 head. The high-selling individual of the sale was a Hampshire ram consigned by Virgil Vandiver, Leonard, Mo. He sold for \$525 to Mr. and Mrs. A. F. Stranghoner, Ashland. Maurice Malone, Parsons, bought 3 Hampshires and Norman R. Kardosh, Alton, also bought 3 Hampshires. A Suffolk was purchased by J. O. Barnhart, Erte.

Livestock judges for the **KANSAS STATE FAIR**, which opens at Hutchinson, September 16, are announced as follows by Secretary Virgil Miller:

**Beef cattle**—Dr. Paul Keese, San Antonio, Tex.; Angus; A. F. Darlow, head of animal husbandry department, state college, Stillwater, Okla.; Herefords; Harold Thieman, Concordia, Mo.; Shorthorns; and L. L. Fetzer, Winnebago, Ill.; Red Polls.

**Dairy cattle**—Lyan Copeland, University of Tennessee, Brown Swiss, Guernsey and Jerseys; Sam Beadeston, Springfield, Mo.; Milking Shorthorns; Harvey Swartz, Waukesha, Wis.; Ayrshires and Holsteins and F. W. Atkeson, head of dairy husbandry department, Kansas State College, 4-H Club cattle.

**Swine**—C. E. Aubel, Manhattan, Spotted Poland, Hampshires, Poland China, and market barrows; H. D. Elijah, Oklahoma City, Durocs, Chester White, Herefords, Berkshires and O I C.

**Sheep**—Prof. Don Bell, animal husbandry department, Kansas State College.

**Other judges**—Allen D. Pitchett, Cushing, Okla.; poultry; John Hergert, Lincoln, Nebr., and Dick Bernhart, St. Louis, pet stock.

**Public Sales of Livestock**

**Aberdeen-Angus Cattle**  
November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.

November 9—"The Humeston Breeders Registered Consignment Sale," Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Mo.

December 12—Commercial and Purebred Angus Sale, Dodge City, Kan. Don L. Good, Secretary, Manhattan, Kan.

**Ayrshire Cattle**  
September 10—Emerald Acres, C. C. McGennis, Rich Hill, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

**Brown Swiss Cattle**  
September 10—Rex H. Winget, Cushing, Okla.—Complete dispersal.

October 17—Tri-State Sale at Topeka, Ross W. Zimmerman, Sale Manager, Abbeville, Kan.

**Guernsey Cattle**  
October 19—Ninth Annual Kansas Guernsey Breeders Consignment Sale, Fairgrounds, Hutchinson, Kan. C. J. Graber, Secretary, Rt. 1, Newton, Kan.

**Hereford Cattle**

September 25—Blue Grass Breeders' Association Show and Sale, Princeton, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
October 12—Brown Brothers, Fall River, Kan.  
October 22—Berk & Cleland, Baldwin, Kan.  
October 30—North Central Kansas Hereford Sale, Dr. George Wreath, Sale Manager.  
November 1—Flint Hills Association, Cottonwood Falls, Kan.  
November 2—Haven Hereford Breeders, Hutchinson, Kan.  
November 2—Central Kansas Polled Hereford Association Show and Sale, Herington, Kan. O. J. Shields, Sale Manager, Lost Springs.  
November 3—Jesse Riffel & Sons, Enterprise, Kan.  
November 7—Cowley County Hereford Breeders, Winfield, Kan.  
November 10—W. H. Tonn & Son, Haven, Kan.  
November 12-13—Sunflower Futurity, Hutchinson, Kan.  
November 14—Osage Valley Registered Consignment Sale, Osceola, Mo. (Sale at KB Ranch, Ironton, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.  
November 14—K Ranch, Hutchinson, Kan.  
November 19—Summer County Breeders, Caldwell, Kan.  
December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.  
December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.  
February 14, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.

**Holstein Cattle**

October 10—Kansas State Holstein Association Sale, Abilene, Kan. Grover Meyer, Chairman of Sale Committee, Basehor, Kan.  
October 25—Central Kansas Holstein Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

**Jersey Cattle**

September 17—Ridge Run Farm (J. K. Burney, Owner), Aurora, Mo. Laurence Gardner, Manager, 1863 Cowden Ave., Memphis 4, Tenn.

**Shorthorn Cattle**

September 17—Gregg Farms Dispersal by W. H. Hargus Land and Cattle Co., at Silver Top Farms, Belton, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.  
September 25—Earley Stock Farms, Baxter Springs, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.  
September 29—J. L. Early, Carl Junction, Mo. Mervin Aegerter, Sales Manager, Seward, Nebr.

**Polled Shorthorn Cattle**

October 22—Missouri Breeders' Association, Sedalia, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

**Duroc Hogs**

August 8—E. S. Parsons, Sas-Nak Duroc Farm, Hiawatha, Kan.  
August 27—(Night) C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.  
October 13—NCK Duroc Sale, Belleville, Kan. Dr. George Wreath, Sale Manager.

**Hampshire Hogs**

July 30 & 31—National Hampshire Type Conference Show and Sale, St. Joseph, Mo.

**Poland China Hogs**

September 2—Albert Morgan, Alta Vista, Kan.  
October 22—C. R. Rowe & Son, Scranton, Kan.

**Spotted Poland China Hogs**

August 11—Earl J. Fieser, Norwich, Kan.

**Hampshire Sheep**

August 4—Northwest Missouri Breeders' Association, South 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:

	Week Ago	Month Ago	Year Ago
Steers, Fed . . . . .	\$37.00	\$32.25	\$31.50
Hogs . . . . .	22.00	22.50	24.65
Lambs . . . . .	34.00	33.00	28.00
Hens, 4 to 5 lbs. . . . .	.27	.27	.22
Eggs, Standards . . . . .	.42	.45	.34
Butterfat, No. 1 . . . . .	.62	.64	.51
Wheat, No. 2, Hard . . . . .	2.38 1/4	2.37	2.39 1/4
Corn, No. 2, Yellow . . . . .	1.79 1/2	1.74 1/4	1.55 1/2
Oats, No. 2, White . . . . .	.97 1/2	.89 1/4	.85
Barley, No. 2 . . . . .	1.30	1.36	1.34
Alfalfa, No. 1 . . . . .	28.00	28.00	24.00
Prairie, No. 1 . . . . .	19.50	19.50	14.00

**Cultivating Soybeans**

Cultivating soybeans, the ground should be kept as level as possible. If soil is thrown into row to form a ridge it will interfere with combining, states J. W. Zahnley, Kansas State College agronomist. Pods will be so close to the soil the combine will drag or cut into the soil. If set higher, combine will leave pods on stubble.

**HAVEN HOLLOW FARM DUROCS**

Featuring now daughters of Stylish Wonder bred to Fleet (by Fleetline) for September litters. Also Spring Boars. Best of bloodlines. Registered, immune and guaranteed. Write or see G. F. GERMANN & SON, Manhattan, Kansas

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1950 International Grand Champion Barrow (Chicago)



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A wonderful opportunity for you to purchase Bred Gilts, Spring Boars, Open Gilts . . . assuring top basic value in your breeding stock.

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Purebred Livestock Sales Pavilion  
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**REG. SPOTTED POLAND CHINAS**  
Bred Gilts to farrow in August. Well grown and carrying good guarantees. Write for details. HARLEY MITCHELL, Berryton, Kan. Topeka Phone 9385

**15th Anniversary Sale of REG. SPOTTED POLAND CHINAS**

Sale at farm  
**August 11, 1951---1 o'clock**  
25 Bred Gilts  
20 Spring Boars and Open Gilts  
Top quality and champion breeding. Many are bred the same way and carry the blood of our 1950 State Fair champion boar, Chief Control. Other boars in service are Roger, Silver Plate, E. J. F. Ben Boe and Chief Echo II. We have always used a champion boar or a son of a champion. Come and see this great offering sale day.  
Immune and registered.  
Farm located 1 mile east and 1 1/4 mile south of Norwich, Kan. Norwich is 35 miles southwest of Wichita on K-42.  
Write for catalogs to EARL J. FIESER, Norwich, Kan. Auctioneer: Charles Cole

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At the farm 3 1/2 miles west of White Cloud, Kan., on all-weather roads, 8 miles east of Hiawatha, on 36 highway, then 8 miles north.

**25 FALL GILTS**

September and October farrow

Some tried sows with litters mated to Super Model, the John Simpson & Son boar, a son of Red Star, twice Ohio grand champion. You will like this boar. Also Trademark, the 1950 Kansas grand champion, a champion both in the show ring and in the breeding pen. The gilts and sows are by Scarlet Trend, he by Golden Trend, the Nebraska champion and Peppard's Top Quality. They have been fed to farrow and raise large healthy litters.

Remember our final Dispersal Sale, September 26

**SAS-NAK DUROC FARM, E. S. Parsons, Owner**  
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J. L. Graves, Manager, White Cloud, Kan.  
Auctioneers: Bert Powell, Tom Sullivan  
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## Saving Flooded Machinery

To save farm machinery that has been in the flood, dealers and factory representatives warn tractor owners these precautions should be taken: 1—Do not move tractors. 2—Drain radiators and flush. 3—Drain crankcase, transmission and differential, and watch for signs of water. Water will show right at the very first of the drainage, they say. If any water does show up, they advise tearing down motor completely. 5—Probably best thing to do in first place is to contact your dealer for instructions he will have on care of your tractor. 6—Clean all bearings on all equipment and refill with fresh, clean oil or lubricating grease. 7—Do not allow machinery to stand without cleaning off the mud and water as soon as possible. Bearings will rust and freeze, and chains will be subject to rust. 8—Similar treatment will help salvage automobiles, trucks, gasoline engines, electrical equipment. If your electric refrigerator has been under water, see that it dries out well before turning it on for service. In case you are in doubt about equipment, ask your dealer what to do first of all.

## Flood Highlights

**N**EARLY every major river in Kansas has set new flood records in 1951. These rivers include Smoky Hill below Salina and above Cedar Bluff dam; Saline both in June and July; Solomon for entire length; Republican, near mouth below Wakefield; Marais de Cygnes; upper Arkansas river in May and at Hutchinson in July; Neosho; Cottonwood; Delaware at Valley Falls. The Kaw exceeded the 1903 flood at Topeka by 4 feet but fell short of the 1844 flood.

Floods on all streams were caused by excessive rains over a 2½-month period. In East Central Kansas, for instance, the rainfall was 20 inches above normal for the period, according to Richard Garrett, Federal meteorologist for Kansas.

Some 400,000 to 500,000 acres on from 4,000 to 5,000 farms were flooded in major river valleys only, it is estimated by Hubert L. Collins, Federal-state statistician for Kansas. Altho 75,000 to 80,000 acres of wheat were lost completely in these major river valleys, the loss to wheat was even greater over the state as a whole due to continued wet weather thruout normal harvesting period.

A Senate hearing on Kansas flood control was held in Washington. It now looks as if at least part of the Pick-Sloan program of multiple-purpose dams on the Kaw tributaries will be pushed. Tuttle Creek dam, on Blue river, near Manhattan, is said by Maj. Gen. Lewis Pick, chief Army engineer, to be the key to his flood control program for the Missouri and Mississippi rivers as well as for the lower Kaw. He lists the July floods in Kansas as costliest in U. S. history.

Red Cross is starting out with a \$750,000 fund to help rehabilitate flood victims. Any person who has disaster-caused needs beyond his resources should go to his local Red Cross disaster headquarters, register, and state his losses and immediate needs, says Robert Edson, disaster service director assigned to Kansas. The aged and sick will come first. All will be treated according to need rather than loss.

Credit restrictions on installment buying have been lifted for Kansas flood victims only and livestock slaughter quotas have been lifted in flooded areas.

As this is written Congress was expected to appropriate \$25 million for Kansas and Missouri flood relief.

During July Kansas suffered the most complete tieup of both road and rail traffic in history. Eighteen medium to large highway bridges went out and an unknown number of railway bridges. Doniphan county alone lost 38 bridges on county roads this summer and other counties are hit in like manner. Extent of highway damage will not be known for some time. Under Federal Aid Relief Program there is a 5-million-dollar fund, part of which probably will be allocated to Kansas, but must be matched 50 per cent by the state. All such federal money will go only on present federal aid primary and secondary roads, says R. C. Keeling, state highway engineer.

Number of persons made homeless by Kansas floods is still unknown. At least 75,000 homeless or displaced per-

sons were reported by Red Cross. Robert Edson, Red Cross director of disaster relief for the 16 Midwest states, says, "The Kansas disaster is as bad as I have ever seen in my 9 years of work in the area."

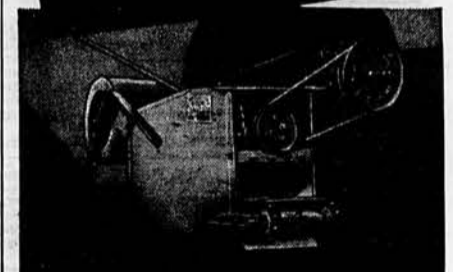
Bad as crop damage has been in valleys, some authorities believe worst damage suffered by farmers will be in loss of farm buildings and machinery. With building materials and machinery in short supply farmers will be hard put to replace these losses.

Loss of livestock in river valleys is not expected to be too great, according to Glenn Pickett, livestock sanitary commissioner. Says Mr. Pickett: "Most livestock in the valleys was on pasture or in places where it could escape the flood. Greatest loss will be in hogs and chickens."

## Feeding Sows

Brood sows and gilts which are to farrow this fall should be in thrifty condition, states E. B. Cathcart, Kansas State College animal husbandry department. They should gain about 75 pounds before farrowing time, but should not be allowed to get fat. Since the pig fetus makes about two thirds of its growth during the last month before farrowing time, more feed is required than earlier in the period.

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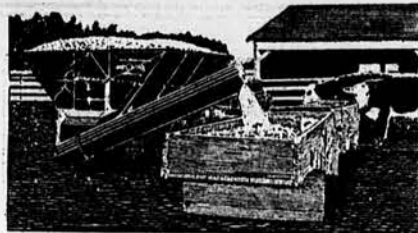
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*"To Make the Best Better"*

## News of Kansas 4-H Clubs

By Gordon West

A COLORFUL carnival given recently by the Sunshine 4-H Club of Washington county swelled the club treasury. Dolores Hansen, club reporter, writes all stands and side shows were well attended. Also, the lunch counter, managed by members' mothers. Confetti spilled over everyone, many visitors went home with useful prizes. Sponsors of this gay Valentine penny carnival were club members and leaders, Mr. and Mrs. Ernest Finlayson. Dolores says a large profit will go towards making a better 4-H Club, better community.

This 4-H Club entertains with a pie supper each year so the community can see what members are going to do in the county Spring Festival. Dorothy Nordt, reporter for the Full O Pep 4-H Club in Allen county, says sometimes the audience gives helpful criticisms for their club's activities. At the club's 1951 pie supper, a play was presented ("His First Girl"), a model meeting was given and the 4-H choir sang. Several contests preceded the program, in which old and young participated. Dorothy writes the evening was a big success in every way, and about \$62 was cleared for the club treasury.

"Promotional Talks" are one of the new phases of 4-H Club competitive activities. At the 1951 Miami county 4-H Club Day, promotional talks were so good 3 blue awards were made and 2 red awards. There were no white, or 3rd place awards made. Girl winner was Charlotte Duncan, Cot-Mor club, talking on "What the 4-H Club Has Done for Me." Boy winner was Leland Prothe, Twin Valley club. He spoke on "Developing Rural Leadership Thru 4-H."

Where do 4-H'ers go after high-school days? Many Kansas members decide on a college career, and many study agriculture or home economics at Kansas State College.

Don Wilson, former president of Tannerville 4-H Club in Pottawatomie county, worked his way thru Kansas State. He graduated in 1950 with a degree in agricultural journalism, writes David Nies, Tannerville club reporter. His last year in college Don was farm editor of the Manhattan Mercury-Chronicle. After graduation, he went to Dodge City where he is farm editor of radio station KGNO and the Dodge City Globe. He is the eldest of 6 children of Mr. and Mrs. Frank Wilson. Don won a Sears Scholarship award to Kansas State so he could continue his agricultural work and activities.

Shawnee county 4-H Clubs attended 600-strong at their 1951 county 4-H Day. Among judges for competitive events were 6 former 4-H'ers from Kansas State College. These college students are members of the Collegiate 4-H Club—organization for former 4-H'ers. These "student" judges were Pearl Swart, Evelyn Haberman, Loren Goyen, Miles McKee, Mary Ann Miller, and Harold Eversmeyer. You'll remember reading stories on Europe by Miss Haberman in Kansas Farmer issues during the latter part of 1949. She was one of the IFYE (International Foreign Youth Exchange) delegates to Europe that year. Recently she served as president of the Collegiate Club. As in past years, members of this club are attending many 4-H Spring Festivals to serve as judges for plays, demonstrations,

promotional talks, model meetings, folk games.

This 4-H Club has winning ways. At the recent Wellington County Festival Skylark 4-H Club members in Sumner county brought home 4 blue ribbons and 2 ribbon-awards! Larry Roberts, club reporter, writes their club chorus was one of the top blue-ribbon winners. The musical game group also won a top award. Taking part were Kay Utterback and Larry Roberts, Beverly Lungren and Elden Deffenbaugh, Karen Dusenbury and Eddie Lacey, Marilyn Lungren and Marion Deffenbaugh. Roger Lungren was the caller.

The girls' trio (Billie Utterback, Beverly Lungren and Karen Dusenbury) won a blue ribbon, too. Another "first" went to Karen Dusenbury for her demonstration, "Accurate Measurements."

Members of Happy Workers 4-H Club in Washington county are doing something unusual for benefit of their community. They are having all drinking water in their farm community tested, says Pauline Rettig, reporter.

"WHAT EVER HAPPENED TO?" DEPARTMENT: This "brother team" continued their interest in 4-H Club work after leaving their home county to study agriculture at Kansas State College. Cecil and Merle Eyestone once were top 4-H'ers in Leavenworth county. At college they were both active in the Collegiate 4-H Club, other activities. Merle was a Capper Scholarship winner one year. Today, Cecil is county 4-H agent in Montgomery county. Merle holds down the same kind of a job in Shawnee county. . . . Martha Wreath was a top 4-H'er in the state, won a Washington trip for leadership in 1939. As a home economics student at Kansas State College from Riley county, she was an officer in the Collegiate 4-H Club. She was editor of Who's Who, state 4-H yearbook, active in many other activities at college. Today, Martha is Mrs. Charles Streeter, wife of a Riley county farmer. She is active in home demonstration work, school and church activities. There are 3 little Streeters. Recently she and her home demonstration unit won a national award for community welfare the recent Wellington County Festival work. Her father, George Wreath, Manhattan, is one of the state's better swine breeders.

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Now, a year 'round water supply for stock tanks — inexpensively! This hydrant won't freeze! Handle controls valve BELOW frost line. Deluxe "7-Speed" hydrant also available.

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A little LUBRIPLATE Lubricant goes a long way because it doesn't break down. It "stays put" because of its remarkable adhesive properties. You use only a fraction of the grease when you use LUBRIPLATE.

**2 Protects**  
LUBRIPLATE Lubricants resist water, steam and certain acids. They positively protect machine parts against rust during use and during "lay-up." This feature cuts repair bills and parts replacements.

**3 Reduces Costs**  
By better lubrication and reduction of drag, LUBRIPLATE Lubricant reduces fuel consumption and gives better machine performance. The use of LUBRIPLATE Lubricants will definitely increase the life-span of all farm machinery.

**DUAL-PURPOSE LUBRICANTS**

LUBRIPLATE Lubricants provide superior lubrication of farm machinery while in use and protects it against rust during the seasons of "lay-up."

**Simplified Selection**—Farmers, who often use as many as ten different ordinary greases to satisfy the different designations for various equipment, welcome the simplicity of the LUBRIPLATE line.

**Recommendations for LUBRIPLATE LUBRICANTS**

**NO. 130-AA** . . . for general grease lubrication of Machines, Trucks, Tractors.

**NO. 70** . . . for lubrication of Wheel Bearings, Universal Joints, etc.

**NO. 4** (90 SAE winter) **NO. 8** (140 SAE summer) . . . Transmissions, Differentials, Final Drives.



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for full details on the Money-Saving Farm Deal. He can show you how his other customers have saved from \$6.50 to \$30.00 by estimating their needs and ordering in advance. Delivery just when you want it. With this plan you have all the high quality lubricants you need on hand when you want them. AND BEST OF ALL YOU SAVE FOR SURE - good hard cash you can put in your pocket. Check this list. Make up your order now and call your Standard Oil Man to get in on the big Farm Deal.



### Here's what others saved in 1950



Elmer Cook of Mayfield, Kansas, has been a Standard Oil customer for 33 years. He believes in placing his Farm Deal order early. On his last order, for 146 gallons of ISO-VIS Motor Oil, 103 pounds of STANDARD Viscous Lubricant and 102 pounds of STANDARD Gear Lubricant he saved \$26.76.

Last year in the STANDARD Farm Deal Charles Reed, Boggs town, Indiana, ordered four half-barrels of Motor Oil, five gallons of STANDARD Gear Lubricant, 70 pounds of STANDARD Viscous Lubricant and five gallons of STANDARD 25% DDT Concentrate. He saved \$23.30 simply by ordering early.



Max Dahl of Chaffee, North Dakota, knows what it means to save in Standard's Big Farm Deal. By combining his order for oils and grease with such household necessities as SEMDAC Flor-Glaze he earned total discounts of \$30.63. "It's simple," he says. "The more you order, the more you save."

### CUTS YOUR COSTS ON THESE QUALITY PRODUCTS...

All of these popular, high quality Standard Oil Products can be purchased in the Special Farm Deal. The more you order, the more you save.

For your tractor, truck and car: PERMALUBE Motor Oil. Heavy duty. Beats heat. Fights wear. Keeps engines clean. No better oil made • ISO-VIS Motor Oil. A Premium quality oil at a lower price. Reduces wear • POLARINE Motor Oil. For forty years a quality motor oil. Low cost. Long engine life • STANDARD Gear Lubricant • STANDARD Viscous Lubricant.

For your farm and around the house: BOVINOL Stock Spray with Methoxychlor. STANDARD 25% DDT Concentrate - death for corn borers. STANDARD Garden Spray. STANDARD Garden Dust.

Ladies, you too can save money. Look at the household helps you can purchase through this Special Standard Oil Farm Deal. Include these in your order. No money down. Pay later.

SEMDAC Flor-Glaze. Self-polishing, long-lasting protective polish for linoleum and wood floors. SEMDAC Liquid Gloss - easy-to-use polish for furniture and woodwork. SUPERLA Insect Spray with DDT - knocks down, kills flies and mosquitoes. STANDARD Roach and Ant Spray - for household pests. FINOL Utility Oil - oil with a thousand-and-one uses.

NATIONAL FARM SAFETY WEEK  
JULY 22nd to 28th

FARMERS BE CAREFUL! Adopt safe practices in home, field and on the highway.

THE LIFE YOU SAVE MAY BE YOUR OWN!

Your Standard Oil Man

