

Kansas Farmer



IRIS BLOOMS on the Geiser farm often brought 12,000 visitors during May. Here, viewing plots, are left to right: Mrs. Glenn Hutt, Superior, Nebr.; Mrs. Irvin McKeown, Webber; Mrs. Wayne L. Tipton and daughter, Nancy, Webber; Mrs. Mary McGowan, Superior. All are members of Valley View Social Club.



A DECORATIVE planting of Iris around the front door of the Geiser farm home is typical of the use to which this popular flower is put.

Would You Choose Flowers or Cattle

for a Farm Income?

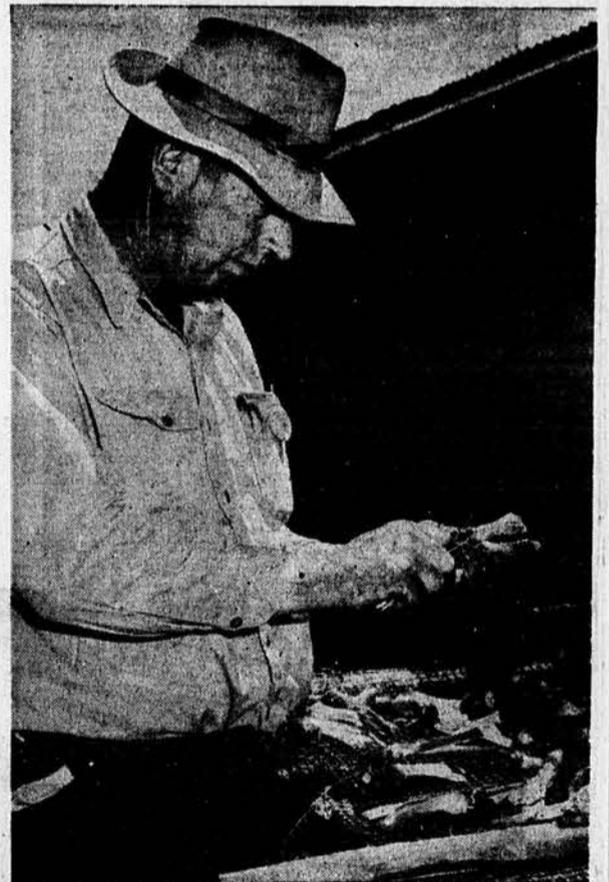
**It may be surprising to learn
17 acres of Iris equaled gross
return from cattle and 2½ sections**

THEY are transplanting the most famous farm in Kansas from Mitchell to Saline county, starting this summer. Known throughout America, Europe, and part of Asia is the Geiser Iris Farm, located in the south part of Mitchell county near the Lincoln county line. There, during the last 21 years, a farm family built on the Kansas prairies what is recognized as the largest collection of Iris varieties in the world.

Now, the nearly 20 acres of Iris root stock is being dug up and replanted on another farm south of Salina. Workmen will take 2 years to complete the task.

With this move ends one of the most unusual and successful single farm projects ever started in Kansas.

The story goes back to 1929, when Melvin Geiser, son of Mr. and Mrs. G. W. Geiser, was a senior in high school. Melvin bought root stock of 3 named Iris varieties and started [Continued on Page 13]



PREPARING RHIZOMES for shipment is Paul Anderson, of the Salina Flower Farms, which is moving all Iris root stock from Geiser farm to Anderson farm during the next 2 years.

- Drying Grain Is PracticalPage 6
- Let's Visit Oregon.....Page 10
- Lift to VegetablesPage 21

MANHATTAN KANSAS
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average weight of 214 lbs.

"Our total feed costs were \$2,262.38: 927 bu. corn, \$1,465.40—5³/₈ tons proteins, including Mintrates, rolled oats, soybean oil meal and alfalfa meal, \$744.98—worm expeller, \$22.49—MoorMan's Minerals, \$29.51.

"It took only 3¹/₄ lbs. of feed for each pound of pork. It all adds up to 11.7 cents per pound of gain—that's the most profitable lot of pigs we ever raised."

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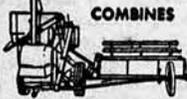
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Wheat Research Gets Boost

KANSAS, within a few years, should be the national leader in wheat research activities, comments R. I. Throckmorton, director of Kansas Agricultural Experiment Stations. Long the leading wheat-producing state in the nation, Kansas can be top wheat-research state. Research funds made available by the 1951 state legislature will make possible major expansion of the state's wheat research program.

The legislature provided \$60,000 for a wheat mosaic greenhouse to be built this fall. Also, \$10,500 of new funds for applied research will be used to study wheat mosaic. A scientist trained in virus diseases of plants will be added to the college staff. He will have research assistants working under him and travel funds enough to keep close to mosaic developments in Kansas fields, Director Throckmorton said.

A special \$75,000 annual appropriation will be used to add scientists and assistants, operating funds, and research facilities to the already-strong research program. Development of better wheat varieties will be continued. Phases of soil and quality research in wheat will be strengthened. An entomologist to devote full time to insect problems of Southwest Kansas will be added to the staff. He will be stationed at the branch experiment station near Garden City.

Vaccination Prevents Newcastle Disease

Look out for a possible return visit this fall or winter of Newcastle disease or fowl pox if chickens were attacked last year or last spring. Either or both of these diseases can be prevented by vaccinating young stock between 10 and 16 weeks of age, with live virus. L. F. Payne, head of the Kansas State College poultry department, says when birds are in good health and vigorous they can be vaccinated for both diseases at the same time. Apply Newcastle virus in the web on one wing and the pox virus in web of the other wing. Detailed instructions come with the virus.

Set Dates for Dairy Exposition

International Dairy Exposition for 1951 is scheduled to be held in Indianapolis at the Indiana State Fairgrounds October 6 to 13. Nearly \$56,000 in premiums will be presented to cattle exhibitors. At each of the past 2 shows, over 2,500 purebred cattle from 32 states and 3 Canadian provinces participated in the junior and senior events. The Junior Judging Contest and the Junior Cattle Show will offer \$10,000 in premiums and prize money to 4-H and FFA youths. With the exception of the night show, there is no admission charges at the event, either to grounds or buildings. Again, the equipment show and the foods festival will be parts of the annual event.

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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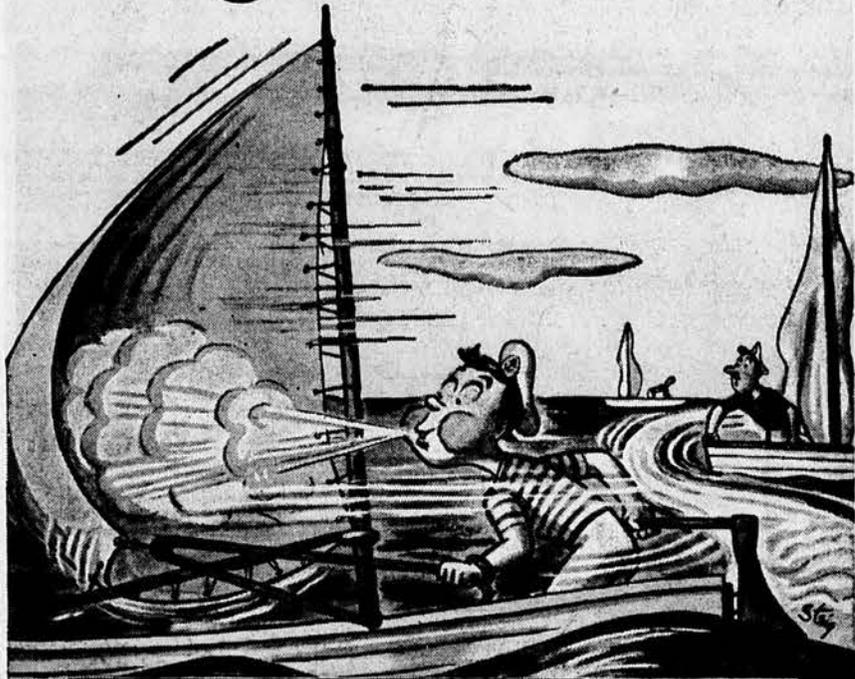
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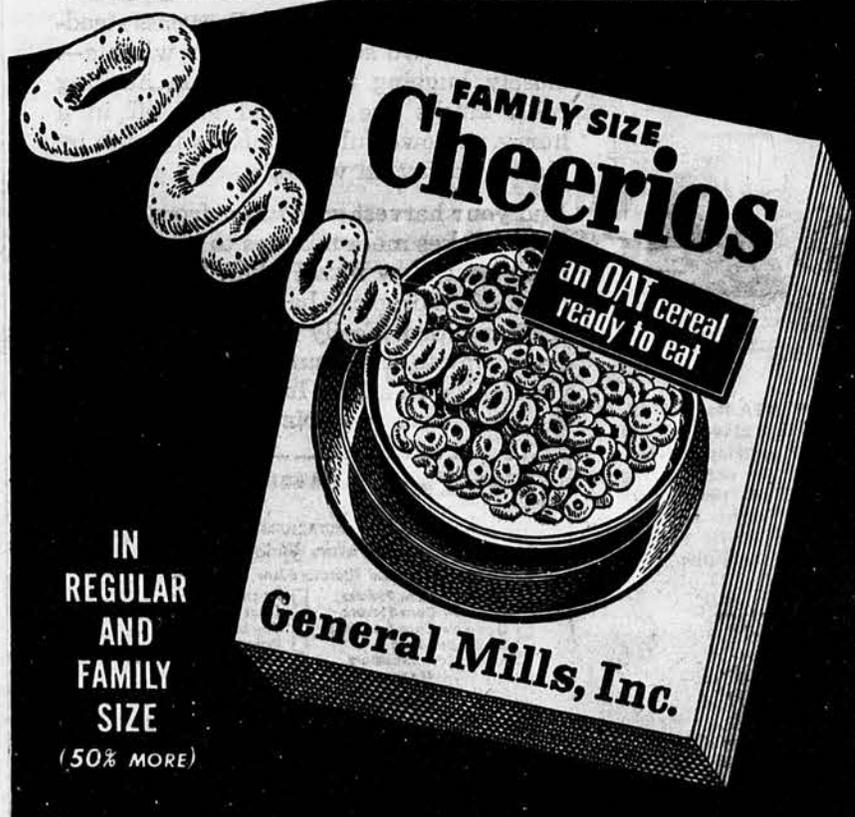
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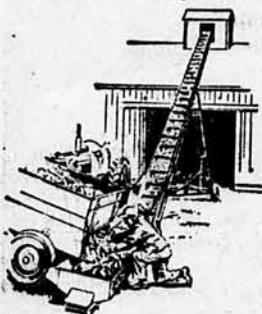


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NEW IDEA One-Row Corn Picker (above) picks, husks and loads up to 12 acres daily.



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No. 7 in flower series written by a man who grows them by the acre

Peonies Bring Spring Beauty

By FRANK PAYNE

DID you know the Chinese had a lot to do with your having peonies in your flower garden? In 600 A. D. Chinese traveled into Siberia as traders, found an extremely hardy plant growing in that frigid, cold country that had large, funny-looking roots. Now when a Chinaman finds a queer-looking root on a plant, right away he considers its possibilities for medicine.

Whether the peony roots had any medicinal value I wouldn't know as I am a flower farmer. Anyway the Chinese took them back and gave them the name of *peony* in honor of *Paeon*, the Greek god of healing. The old-fashioned common name my foster parents called them many years ago was *pineys*, today many folks call them that.

The original peony had a small, single bloom that was white. But, my, what changes have been made since the hybridizers got thru working on the blooms and as we know peonies today.

From China they were taken into England about the year 1800 and from there to France. It is to France we owe a lot for the gorgeous varieties we love so well today. From 1824 to 1850 Monsieurs Lemon, Mellez, Guerin, Verdier and other French hybridizers originated some of the very varieties grown today in our gardens. Two varieties happen to be *Edulis Superba*, a beautiful pink, also *Festiva Maxima*, a white with blood-red markings in the center.

Peonies did not come to America until about 1860 from Europe, but today thousands of acres are grown all over the United States for commercial cut flowers and are found to be very profitable. In this state the peony blooms from middle to the last of May and is known as the official Memorial Day flower.

Peonies are easy to grow and thrive best in a rich, heavy, well-drained loam, a soil that is not water-logged in winter. They must be planted right out in the open sunshine in your garden, along a driveway or a bed in the center of your lawn. Work your soil good and deep for once a peony is established and growing, you can leave it in the same spot for 7 to 15 years and it will repay good care by giving you beautiful bloom year after year.

It really takes about 3 years for a peony division to get fully established, at least until you can start to cut the blooms from the plant. And right here I want to tell you: *You cannot hasten that 3-year period* a bit by planting an entire clump. It simply cannot be done

so do not waste your time and clump by doing so. That would be like planting an entire ear of corn in a hill expecting to get a corn crop sooner than the 90 days average time required for the increase. You already knew that, and remember the peony is as easy and simple as growing corn if you study it.

A properly divided division has 3 to 5 eyes. You probably would call them "sprouts." It is very important that peonies be divided and also planted *only when dormant* which happens to be the months of September, October and November. The eyes (or sprouts) must be only 2 inches under the top surface of the ground. If planted too deep it may cause them not to bloom at all! Peonies need frost. They can't be successfully moved or planted in spring months in this state, so be sure to do your planting this fall soon as possible before the ground is frozen hard. Another thing to remember is *not* to put any of the animal manures over the top of peony plants for mulch or fertilizer. It is sure to start a rot disease.

Best fertilizer to use is bonemeal or hardwood ashes from your fireplace or barbecue oven, worked into the soil about a foot from your growing plant. Frequent shallow cultivations from real early in spring until August must be given them to keep down weeds and to help them store up strength to produce flower buds.

There are 2 other points of great importance: When cutting blooms wait until the plant is 3 years old before you do so and even then, be sure to cut with a short stem so several leaves are left on the stem of the plant. Leaves are the lungs of a plant, and if you cut them off before they are dormant you may injure it so much the plant will die. Never plant peonies near trees or shrubs or other flowers.

Here are some varieties I can recommend. They are not brand-new ones but will do nicely in this state and will answer all your requirements. For white peonies get *Festiva Maxima*, *Avalanche* or *Baroness Schroeder*. For pink try *Mons. Jules Elie*, *Edulis Superba* or *Sarah Bernhardt*. Some good reds are *Felix Crousse*, *Karl Rosenfeld*, *Mons. Martin Cahuzac* or *Longfellow*. These above 10 varieties produce a lot of nice bloom and also keep good when placed in cold storage.

Last, but not least, remember this: Plant peonies, the most gorgeous flowers on earth, plant in abundant masses and have a splendid carpet of loveliness. (My next article tells about *TULIPS*.)

GRANDMA . . . By Charles Kuhn





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Here's what others saved in 1950



Another one of the thousands of Midwest farmers who can count actual savings in Standard's Farm Deal is Lee R. Ditmars, Hamilton, Missouri. By ordering early and combining his lubricating needs in one order he saved \$10.12.

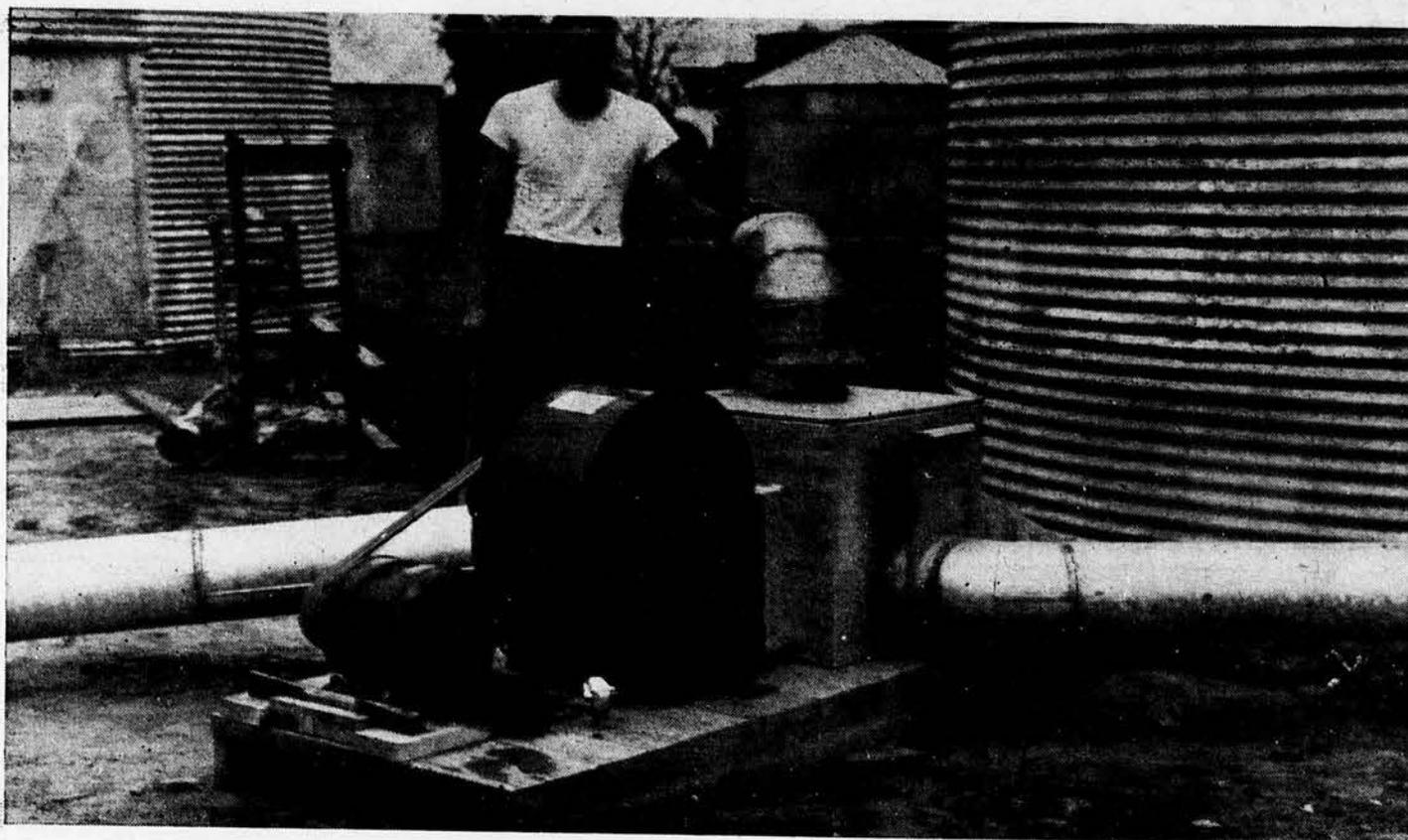
Andrew Estergard, Huron, South Dakota, says, "One of my tractors has been in operation seven years. Because of the use of your good products I have never had a major shut down on this machine. By combining my lubricating needs in my Farm Deal order I saved \$26.52."



James P. Clennon, a farmer living near Minooka in Grundy County, Illinois is very much in favor of Standard Oil's Farm Deal. On his last order he saved \$13.55 simply by ordering his motor oil and other farm needs early. In addition to the savings, Mr. Clennon says he appreciates the on-time delivery of his complete order.

LET ME TAKE YOUR ORDER NOW! I CAN SAVE YOU MONEY
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THERE ARE several types of portable blowers that are practical for grain drying. Here is a centrifugal squirrel cage type for installation outside of a circular bin.

Grain Drying Problems Will Hit Most Farms

2,800 cars marked "unfit" due to results of high moisture content

By **HAROLD STOVER**

Kansas State College Extension Engineer

ALMOST every farmer in Kansas is going to have grain-drying problems this summer and fall and your farm probably will be no exception. A certain amount of trouble is normal every year, but this year moisture has been excessive for wheat and may continue to be for sorghum and corn.

Since this is true I am sure you would like to have the latest information available here at Kansas State College on handling your grain.

And don't think this grain-moisture problem isn't hurting the reputation of Kansas grains—especially wheat. Just last year about 2,800 cars, or more than 4 million bushels of Kansas wheat, were marketed as unfit for human consumption. It had to be sold only for livestock feed and industrial uses.

Again this year, during July, a check at Wichita showed that out of 278 cars of wheat delivered on one day, 90 per cent were tagged "tough." In nearly all cases where grain was tagged as unfit, it was due to damaged grain and objectionable odors that could be traced

back to high moisture content during storage.

Most of you know wet grain at harvesttime will cause trouble when stored. You also know storing grain in a poorly-ventilated bin is a common cause of trouble.

But there is still another cause of bin-stored grain damage. This is an excessive build-up of moisture in parts of the bin by an action called "moisture migration."

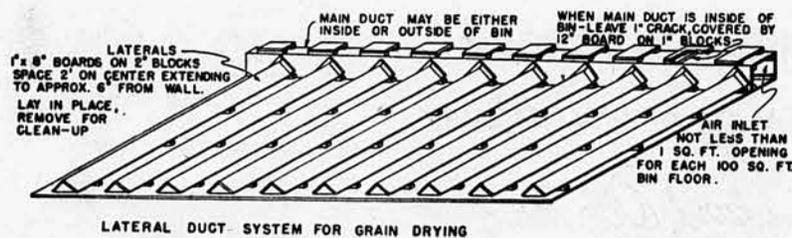
Moisture migration probably is the most serious problem in long-time storage of grain in bins. When first stored, wheat in the center of the bin is kept warmer than that on top. This sets up a movement of moisture from the center by an updraft of air thru the grain similar to the draft on a chimney.

As the warm air moves upward and strikes the cooler grain near the surface, some of the moisture is condensed out of the air into the grain. This air movement on a single day is slow, but over a long period of storage, the accumulation of moisture in surface layers may cause considerable damage.

One of the oldest and most used methods of conditioning grain on the farm is to turn it or move it from one bin to another, or from one pile to another.

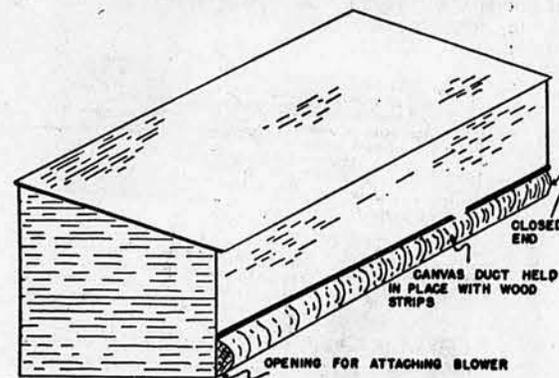
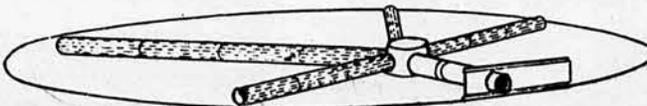
Some rather extensive research on this method has shown that turning grain is a very poor method of drying. It is doubtful whether more than .5 per cent of the moisture can be removed by turning. And it is a lot of work that seems to be unjustified from the standpoint of results obtained.

There are 2 methods of drying grain, however, that have been found to work very well on the farm. These are: Circulation of normal atmosphere temperature air and circulation of heated air thru grain. [Continued on Page 27]



LATERAL DUCT SYSTEM FOR GRAIN DRYING

THESE DRAWINGS show types of duct systems that can be used in round or oblong bins for drying grain. Top drawing is a lateral duct system. Drawing to the right is a perforated well casing pipe.



A CANVAS sleeve can be used as a main air duct on outside of grain bin if one end is left open for attaching blower.

Farm Matters

AS I SEE THEM

TWO officials of the Economic Co-operation Administration, according to reports from Washington, have worked out a plan for turning ECA into an intercontinental Reconstruction Finance Corporation. Instead of the United States, thru ECA, making loans for foreign rehabilitation and development to the foreign governments, these governments having charge of distributing funds for improving economic conditions in their respective countries—and perhaps in the process keeping themselves in power—the proposal worked out by William H. Joyce, Jr., a California shoe manufacturer, and Robert Oliver, regional director for the CIO in Texas, would call for loans direct to manufacturers. Both are “on leave” from their respective organizations while serving with ECA.

One correspondent comments that it “would be a peculiar kind of banking. Social reforms would be demanded from each borrower before he got his loan.”

According to the plan, ECA would lend directly—funds furnished by the United States, of course—to British, Belgian, Italian, and other private European manufacturers who want to modernize their plants along model lines devised by experts to be hired by the ECA.

“But only,” it is reported by Ray Cromley, of the Wall Street Journal, “if these promise to keep their profit margins low and pay higher wages to their help.”

“The idea is that the combination of reformation and cold cash will inspire a vast growth of West European industrial production—and that this newest twist of the Marshall Plan will this time rid recipient lands of Communism.”

The foreign captain of industry who sought one of these ECA (RFC style) loans would have to accept a “package” deal. He would have to agree to accept and co-operate under an ECA-

supervised survey team to include management specialists, market analysts, plant layout men, labor relations authorities, accounting wizards—all kinds of efficiency experts selected by ECA.

This survey team would work out an American plan for the European plant management to increase its productivity. If the manufacturer agreed to the ECA recommendations, and his local bank (in Europe) would not lend him the money to put it into effect, then under the Joyce-Oliver proposal, ECA would lend American taxpayers' money to him to get the job done.

Part of each plan, the way I get the story as sent out from Washington, would be the “happier working conditions, handsomer wages, and low profits.”

Such a plan for building up European industry should be decidedly interesting to the flooded-out farmers, business men and home owners in the Kaw Valley and other valleys which have been devastated by the recent floods. It certainly reads like an ambitious undertaking. Considering how the original Marshall Plan for Europe has been expanded to cover the world thru President Truman's “Point Four” program to make the world over, it is not out of order to consider that if the latest ECA brain-wave once gets going for European industry, it would be logical to apply it world-wide.

Naturally, some people are going to ask “Where's the money coming from?” Mr. Cromley says it is included—“but not spelled out”—in the \$8,500,000,000 foreign-aid bill now before Congress.

But only a few dollars, perhaps 8 or 10 million dollars, would go into such loans the coming year—if the program is adopted. It is admitted there may be “some opposition.”

My information from Washington also is that there may be some opposition to the \$8.5 billion package for foreign aid in the Congress. You see, \$8,500,000,000 means a contribution—thru taxation or that deferred form of taxation, government borrowing—of more than \$50 for each man, woman and child in the United States; some \$200 per family.

Considering the already staggering tax burden the people of America are carrying (nearly one third of the national income), it does seem to me Washington would be better engaged in figuring some way of reducing expenditures, abroad and at home, instead of digging up new August-heat ideas for new spending or lending programs to Europe and the rest of the outside world.

If the foregoing program is being seriously considered in Washington, it certainly would seem to justify several hundred million dollars for rehabilitating industry and agriculture and business and people in the flood-devastated areas of the United States.

Are such proposals as these of interest to Kansas farmers? I suggest that every government spending and lending proposal from Washington is of direct interest to farmers—all these things have to be paid for, ultimately, out of what can be taken from the land in one form or another.

Arthur Capper
Topeka.

No Big Price Changes Are in Sight

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

IT NOW is official. No more beef cattle price rollbacks by OPS. But the first one (10 per cent) for the protection of processors and handlers, remains in effect.

The Congress has passed, stormily, and President Truman has signed, reluctantly and noisily, the extension of the Defense Production Act until next July 1. Included is a prohibition of price rollbacks on agricultural commodities specifically; also to a great extent price rollbacks on manufactured products of any kind, altho the language of the act is so confused and contradictory that it might be evaded.

General feeling in Washington is that no “big” price changes, either up or down, are in sight in the “immediate” future. For the next 2 or 3 months, big stores may be expected to have cut-price sales to get rid of excessive stocks of goods at bargain prices. Later, when the big armament program really gets under way—that may well be different.

Retail food and grocery prices are not much affected by the price-control program, in the opinion of those who write from Washington for their business clients.

However, the Administration-Labor fight for more-stringent price controls will go on. President Truman made this clear when he signed the extension act, declared he will continue to insist on “tighter authority,” as the Kiplinger Agricultural Letter advises its clients.

Instead of more arbitrary price-control powers, Congress wrote into the extension act a provision that manufacturers, wholesalers and retailers are entitled to include increased costs up to last June 26 in their prices. The Wage Stabilization Board since has issued a ruling that for wage-setting purposes, the cost-of-living index shall include increases in prices of food, clothing and rents. Taken in combination, these—and the farm priority provisions of the act—spell higher wage and price ceilings. Get the word “ceilings.” Government has to consider these elements in fixing ceiling prices. Government does not guarantee prices will be as high as the ceilings—bumper crops, high inventories, consumer resistance (stop-buying campaigns) will tend to hold prices down. But against these latter trends will be the ever-continuing increase in the supply of money, due to continued heavy government spendings.

Foregoing, coupled with drastic limitations on the supply of metals and other materials going into durable consumer goods and capital goods, will tend toward higher and higher prices for trucks and autos, farming machinery and equipment, refrigerators, household and manufacturing equipment, probably clothing. Government

spending may be depended upon to prevent any serious deflation between next winter and the 1952 elections.

Up and down the Kaw Valley in Kansas, the “big dam” controversy is raging again as a result of the 1951 floods. Congress has authorized, and is in the way of appropriating, for the Tuttle Creek multiple-purpose reservoir on the Blue river. It will inundate valuable farmlands, several towns, for 40 miles upstream. Congress also is expected to authorize the Milford dam on the Republican above Junction City; the Perry dam, and a series of smaller projects on Kansas river tributaries and in the Arkansas, Marais des Cygnes, Neosho-Cottonwood valleys.

Tuttle Creek reservoir is the symbol of the fight over big dams. The Blue Valley folks say they are reconciled to

a dam at Tuttle Creek, but want it an “open flood-prevention dam” instead of the “permanent-pool reservoir” for navigation, recreation, power purposes.

Opponents of the multiple-purpose reservoirs are citing the Miami (Ohio) Conservancy District “Dams for Flood Prevention Purposes.” One quotation from the board of directors of the Miami District going the rounds is:

“After the present retarding basin-channel improvement was decided upon, thought was given to combining flood prevention and power development . . . but it was not found practicable. . . . The use of the Miami Conservancy District dams for power development would not be advisable from a financial or practical standpoint.

“Power development and flood control can be provided for at the same time only by creating storage capacity additional to that necessary for holding floodwater, since space used for storing water for power production cannot at the same time be kept empty and thus available for storing water in time of flood. . . . Furthermore, the loss due to permanently submerging the large areas of valuable farm land would be greater than the value of any power made available.”

Communities above the projected Tuttle Creek and Milford reservoirs assert that the same applies to storage for recreation and navigation purposes as to power purposes.

Soybean Meeting

Annual national meeting of the American Soybean Association will be held at Des Moines, Ia., September 6 to 8 inclusive. Those interested in attending should make hotel reservations direct with Hotel Fort Des Moines.

Kansas ranked 5th among all states in cash received for crops in 1950, with a total of \$435,112,000.



“It's too bad I'm broke, Dad, or I'd buy you a milk shake.”

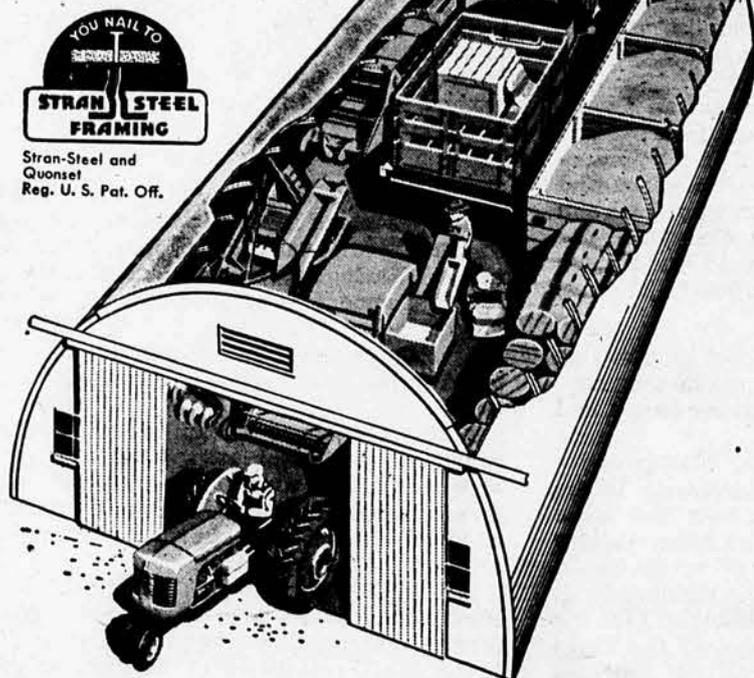


“I made a sandwich while you were out—a toasted sandwich!”

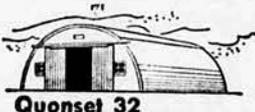
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605 S. Juliette
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- RUSSELL, William G. Boxberger
- SCOTT CITY, John S. Notestine Co.,
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NATIONAL STEEL CORPORATION



Now That You Have Electricity

WET weather this spring and summer and general interior dampness that resulted put a premium on electric dehumidifiers. People with valuable tools and motors made particular use of devices to keep rust and mildew from forming. In performance, the machine sucks the damp air from the room, wrings the water into a pail and passes the drier air back. It was not uncommon for some owners to empty 2 buckets of air-borne water each day, certainly a damaging amount of moisture.

That amount of water spread over many surfaces in a basement or utility room wouldn't seem to weigh much. But concentrated in the average weekly washbasket the weight of excess water makes the washday a weight-lifting workout. A 35-pound wash, for instance, weighs more than 60 pounds when wet, which is a pretty good argument for an electric clothes drier if those clothes are to be carried upstairs or for any distance.

Speaking of weight, word was being spread recently of an 8-pound sewing machine that delivers considerable speed and versatility. It certainly would be something to have a machine small enough to patch the pants while still on a boy.

Hay fever sufferers are finding a champion in the enterprise that is developing throw-away dust collectors for home air cleaners. These devices remove dust and pollen from the air passing thru them by subjecting the particles to static electricity charges so they are held by electrically charged plates. The customary disposal of such particles was by means of a water system that flushed out the residue. The new throw-away electrodes eliminate the flushing operation.

Glass that will conduct electricity has been developed, according to a recent patent issued, and a little imagination will tell us many applications.

In a recent magazine issue we saw a fan that seemed to have considerable utility. The case can be attached to any type wall without screws and contains, in addition to the fan, heating elements which give the unit value as a bathroom heater, hair dryer or clothes dryer. A metal rack comes out of the top of the case to hold articles in front of the air flow.

We all know the cost of food has risen during the last 10 years. But during the same period the cost of cooking identical amounts of food by electricity is one-fourth lower. Based on nationwide average prices per kilowatt hour, the Bureau of Labor Statistics tells us the average cost for preparing specified amounts of food now is 57 cents compared with 75 cents 10 years ago.

Many women are turning to their electric roaster these hot days to prepare a complete meal. Its insulation provides cool cooking and its size is a convenience in preparing and transporting picnic foods. Furthermore, it occupies little space in a kitchen, can be stored in a closet or cupboard, and is easy to maintain.

A formula for selecting the correct size cooling fan has come to our attention, the correct size being vastly important in providing efficient changing of air thruout a home. First, you should know the volume (cubic feet) of your living space. This is obtained by multiplying the length, breadth and height of each room (exclusive of cupboard space, closets, bathrooms). This volume is the amount of air a fan must move each minute, or if you want a 2-minute change, divide the volume by 2.

A 36-inch attic fan will move 10,000 feet of air each minute. Table model fans have capacities ranging from 500 to 1,000 cubic feet. Ratings for other models, window, basement and attic, are usually included with the specification papers.

This season really dramatizes the significance of electric refrigeration and

more and more attention is being paid to boxes that offer automatic defrosting. Formation of frost on the units acts as insulation and prevents the transfer of heat from within the box to the air outside via the refrigerating unit and has been a periodical chore for housewives. Thru various methods, the matter of defrosting seems to have been taken care of, at least on some models.

If your refrigerator is building up frost at an alarming rate, perhaps the door seal is not fitting properly and is allowing moist air from the room to enter the box. A new seal will frequently lengthen the defrosting periods.

Time switches for controlling poultry house lights need not be confined to those duties. This column spoke several months ago of using such control for the livestock watering system by installing it in the pump circuit. We could also suggest putting one on an attic fan during the summer or, thinking ahead to winter, adapting one to an electric engine heater that warms a motor for an hour or two before it must be started.

A neighbor reports he is installing an intercommunication system in his home, mostly so the problem of getting the children up and to school won't be so exhausting. With the master control unit in the bedroom and outlets upstairs, this neighbor expects to check the dressing progress of each child thruout the pre-breakfast period without running up and down stairs or yelling.

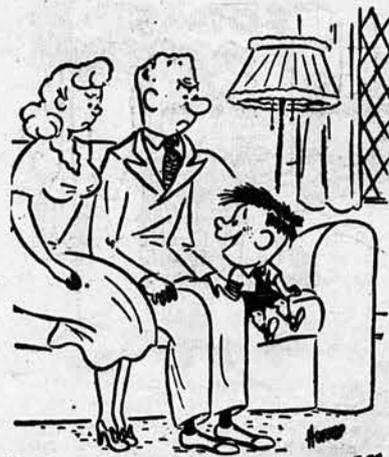
Fluorescent lighting is cooler by far than light of the incandescent variety. And furthermore, a 15-watt fluorescent lamp will give as much light as an incandescent lamp of from 40 to 60 watts. So it would seem that if you have a choice, fluorescent lamps should be chosen for summer lighting at least.

Plan Now for Crop Seeding

It's not too late to prepare flooded croplands to plant brome grass and other cool-season perennial crops. Kling Anderson, Kansas State College agronomist, says fall is the proper time to seed pasture crops, with best dates in most of the state between September 10 and 15. Land should be worked right away, and kept free from weeds until seeding time. A final disking and packing just before seeding also was recommended.

Brome grass should be sown 10 to 12 pounds an acre with 3 or 4 pounds of alfalfa. Seed should be drilled shallow in a firm seedbed. Since fertility of soil is important to establishing new sod, a starter fertilizer of about 100 pounds an acre of ammonium nitrate or triple superphosphate—or an equivalent amount of other fertilizers—should be applied at seeding time. Fast growth applied at seeding time.

For information about varieties adapted to various communities, contact local county agent, Kansas Crop Improvement Association, Manhattan, or the college.



"Oh, you don't have to worry about that. There's no school tomorrow."

TRACTOR DISC PLOWS



- ✓ Built to plow MORE ground, BETTER . . . in LESS TIME!
- ✓ Cut seed bed preparation costs as much as 50%!
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- ✓ Help conserve the vital topsoil!



For plowing sod or stubble, no other plow can give the farmer-owner all the advantages of the MM Wheatland Tractor Disc Plows. Only MM Wheatland Plows scour so well, have such light draft, stay in the ground under such tough plowing conditions. MM Wheatlands are the world's most popular disc plows. MM Wheatlands plow from 3 to 9 inches deep and disc in one operation . . . mix soil and stubble to help prevent wind erosion and increase the soil's ability to take and hold moisture. They have a disc angle adjustment range from 40 to 60 degrees. With their better one-trip plowing performance, MM Wheatlands can cut seed bed preparation costs as much as 50%. Equipped with the Moline-Monitor drill-seeding attachment the Wheatland plows, harrows, and seeds in one work-saving, cost-cutting operation.



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THERE'S AN MM TRACTOR DISC PLOW FOR EVERY FARM, EVERY SOIL CONDITION

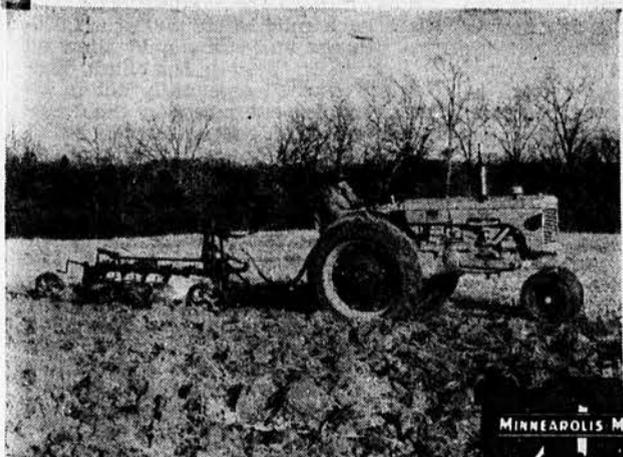
From the 4-foot model with 5 discs to the big 10-foot, 14-disc size, there's an MM Wheatland plow for every farm. Available with lever and power-lift or modern MM UNI-MATIC POWER that provides complete hydraulic depth control right from the tractor seat.

FOR EXTRA HEAVY DUTY

For sun-baked soil or ground so hard that a moldboard will not scour or penetrate, the MM TRA series Disc Plow is in a class by itself. The TRA incorporates many of the superior features that have made MM Wheatlands so famous, yet is specially designed for unusually dense or hard-to-work soil. TRA Plows work from 3 to 14 inches deep, take a cut ranging from 30 to 60 inches wide, and are available in sizes from 3 to 6 discs.



See your MM dealer soon and get all the profit-plowing facts on MM Tractor Disc Plows, MM Visionlined Tractors and the complete line of MM Modern Machines.

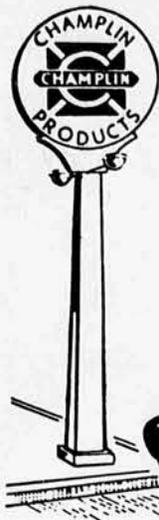


Even in unusually dense, hard-to-work soil the MM TRA Disc Plow stays in the ground, does a superior plowing job.

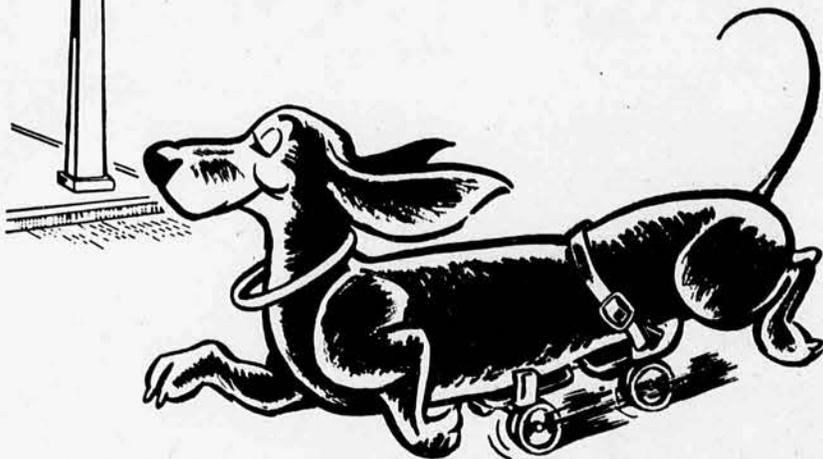


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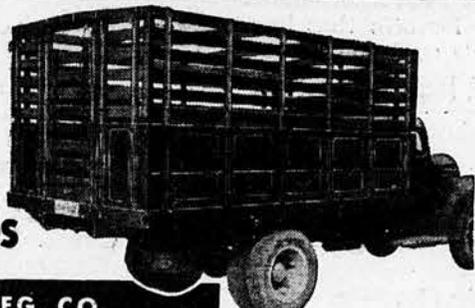


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Article No. 8

We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS

NEXT to Kansas, Oregon is our favorite state. We have traveled north and south on highways 101, 99 and 97; east and west on 20 and 30, both summer and winter.

Highway 101 follows the Oregon coastline. The scenery is magnificent. There is a constantly changing panorama of rocky promontories, smooth sandy beaches of the Pacific, luxuriant fields, forests and mountain canyon. Similar to the scenery along the coast of New Brunswick and the Gaspé in Eastern Canada, the Oregon coastline has the advantage of a wonderful smooth highway. Missing are the picturesque fishing villages that hug the Gaspé coast. One should allow plenty of time in traveling this highway. There are sharp curves and steep grades. Logging trucks piled high with huge logs whiz around corners, travel downhill like greased lightning but slow to a crawl upgrade.

The slogan of the state is "Keep Oregon Green; Prevent Forest Fires." Posters bearing this slogan are displayed in prominent places. With the aid of "Green Guards," a volunteer organization of more than 20,000 boys and girls, the state's fire losses have been cut down by two thirds. We saw many burned-over areas that stand out like great scars; stark skeletons of trees; and half-burned trunks that mar the green landscape. One hundred years are needed for Mother Nature to repair damage caused by one minute of man's carelessness.

Scotch broom blooms along highways in winter; great ferns, as tall as a man, grow at the feet of trees in the forests. Steel bridges are painted a soft green to blend with the landscape. Agriculture in Western Oregon is varied; stock raising and dairying are important. During the last few years, raising lily bulbs in cut-over areas has grown in importance.

Gold Beach is one of the interesting resort cities on the coast. Located at the mouth of Rogue river, made famous by the Zane Grey stories, the town is the gateway to the most primitive parts of Oregon. Many salmon are caught in the river and canneries cater to the sportsman who wishes to have his fish canned, also operate on a commercial basis. The region around Myrtle Point is a rich dairying and cranberry-growing section. Here also are large stands of myrtle trees, said to grow only in this section of Oregon and in the Holy Land. The myrtle wood, blond in color with a beautiful grain, is used to make novelties and fine cabinet work.

The Sea Lions Cave

Halfway along the 400-mile Oregon coastline, the Sea Lions Cave is an unusual tourist attraction. Discovered by an old sea captain in 1880, who entered the cave in a rowboat, the cave is accessible to the tourist who leaves his car at the office and walks down the sides of the 300-foot cliff and a series of steps in an enclosed stairway. The cliff entrance is a passageway 200 feet long, 20 feet wide and 20 feet high. One is overpowered with the oily, fishy smell and the noise. The cry of the sea lion is something between a barking, baying, squealing and mooring. The cave was filled with the noisy, smelly creatures. A woven-wire fence separates sea lions from visitors, but the creatures seemed unafraid. The cave proper is 1,500 feet long and covers 2 acres. Stalactites hang from the 1000-foot-high, dome-shaped ceiling. The sea lions were all sizes from newly-born pups weighing 30 to 40 pounds, to the great tan-colored bulls that weigh as much as a ton. The females are smaller and gray in color and bear their young in the cave. One of the bulls, dubbed "Old Brigham," occupied a place on a rock and kept an eye on his harem. The sea enters the cave from two openings and at high tide covers most of the floor, while waves dash against the rocks.

It was wonderful to breathe the fresh air again as we climbed back to our car. We paused to watch the sea lions in the ocean, riding the crest of the waves in quest of their food, swimming gracefully in contrast to their awkward gait on land. They feed on fish, skates

and squid, which abound in these waters.

At Flip of a Coin

Oregon was settled in the early 1840's by resolute, stubborn, God-fearing missionaries whose object was not only to convert the heathen, but to establish homes in the wilderness. Their camp, located at the junction of the Willamette and Columbia rivers, became the city of Portland. It is the only city on the west coast with neither a Spanish nor Indian name. Portland was chosen by a flip of a coin between a man from Boston and one from Maine. The man from Maine won and named the settlement "Portland." The city enjoyed slow growth until after "Pearl Harbor" and Henry J. Kaiser chose a site on the Willamette river to establish his shipyards, which turned out 1,200 ships during war years. Housing became a big problem and led to building a housing project on low ground, subject to periodical flooding. This project, known as Vanport, was completely wiped out when the dike protecting the site failed to hold back the flooding Columbia river. What had been a little city of neat, small homes on our previous visit was the summer of 1950 completely wiped out. Only a few piles of rubbish remained.

Our visit to Portland had followed the drive down the Columbia river highway. We stopped for a view of Celilo falls. Here, because of terms of an early treaty, the Yakima Indians have the right to fish with nets and spears at the falls. We missed seeing this because the river was at flood stage. The week end found us attending the annual Kansas picnic at the Jantzen amusement park, before resuming our journey to Crater Lake.

Crater Lake

Crater Lake national park, established in 1902, is considered by many as the most beautiful spot in the U. S. Located on the summit of the Cascade range in Southern Oregon, it covers 250 square miles. Its chief feature is the lake lying in the crater of an extinct volcano. According to geologists, this volcano, Mt. Mazama, once was 12,000 feet or more above sea level at its summit, when thousands of years ago it caved in after a violent eruption.

The colorful cliffs, 2,000 feet high, surrounding the lake, today are all that is left of the once great peak. The interest of the visitor is held spellbound by the brilliance of the expanse of water of deepest blue which covers an area of 20 square miles. The maximum depth is 2,000 feet. The rim highway, 26 miles long, affords the visitor a magnificent view of the lake. Rising from the depths of the lake is a twisted mass of lava rock, aptly named the "Phantom Ship" and Wizard Island, the latter a symmetrical volcanic cone, 800 feet high.

May Go by Launch

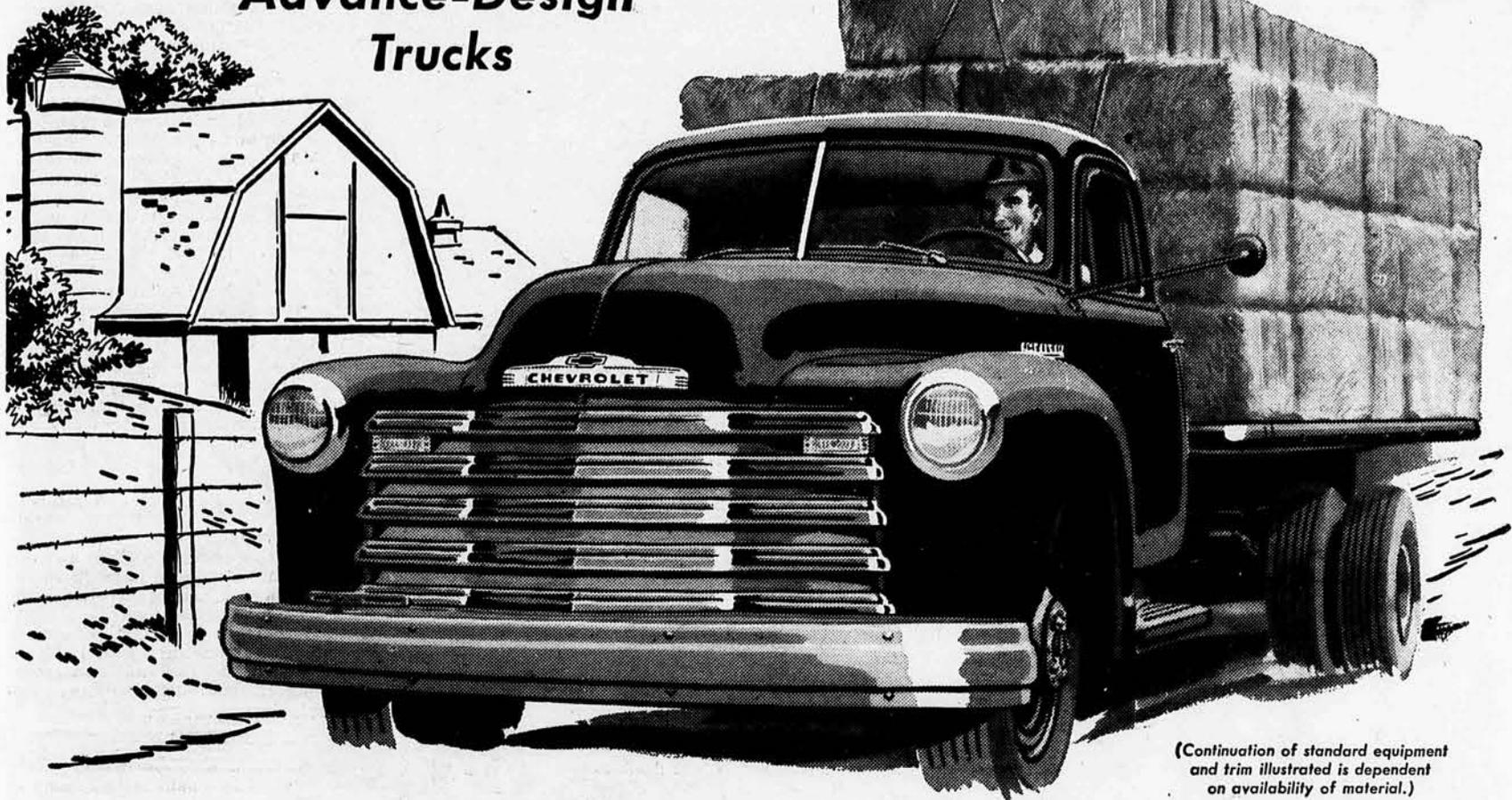
Trips around the lake and to Wizard Island may be made by launch, after a climb down to the landing. The trail winds back and forth to make the 1,500-foot descent and one should allow an hour or more to make the climb. Visitors are warned repeatedly not to attempt the descent except by the designated trail. There is no inlet or outlet to the lake, but the water level remains constant due to the balance between precipitation of rain and snow and evaporation.

In summer the temperature of the lake is 50 degrees on the surface. For the first time in recorded history the lake froze over in February, 1949. Snow banks are a common sight along the Rim highway, as were fields of wild flowers blooming at the edge of the snow. The evening campfire, held in all national parks by the rangers, is held in the rustic community house at Crater lake. The reason was plain, for in our camp ground, high above the lake, the temperature dropped below freezing that night.

Oregon's wide variety of natural resources provides agricultural and industrial opportunities not found in many states.

CHEVROLET

Advance-Design Trucks



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

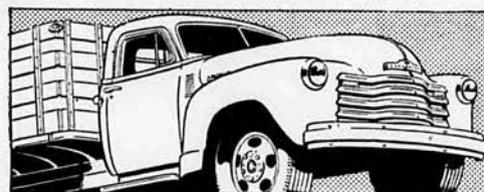
Built for Your Loads ... and Your Roads!

You have your own hauling problems on your farm . . . your own loads, your own roads. And Chevrolet makes sure you get the truck that suits your needs. Right power, right body and load capacity, right wheelbase . . . including the new 179" wheelbase chassis that handles special bodies up to 16 feet long.

Take a look at the Chevrolet platform truck shown above. Great for moving machinery and equipment, hauling baled hay, feed and other commodities. Comes in 10 different models, handling payloads from 2000 lbs. to 10,700 lbs. Tough, durable hardwood planks in platform are uniform in width—easy and economical to replace—with flush-type skid strips and stake pockets. Rugged channel type frame for field work and rough

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Quality through and through—at a price that saves you money. Chevrolet builds the lowest priced line of trucks in America today. You pay less, get more.



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Economical is the word for Chevrolet trucks. Their high-efficiency Valve-in-Head engines cut gas and oil costs . . . save you money every mile.



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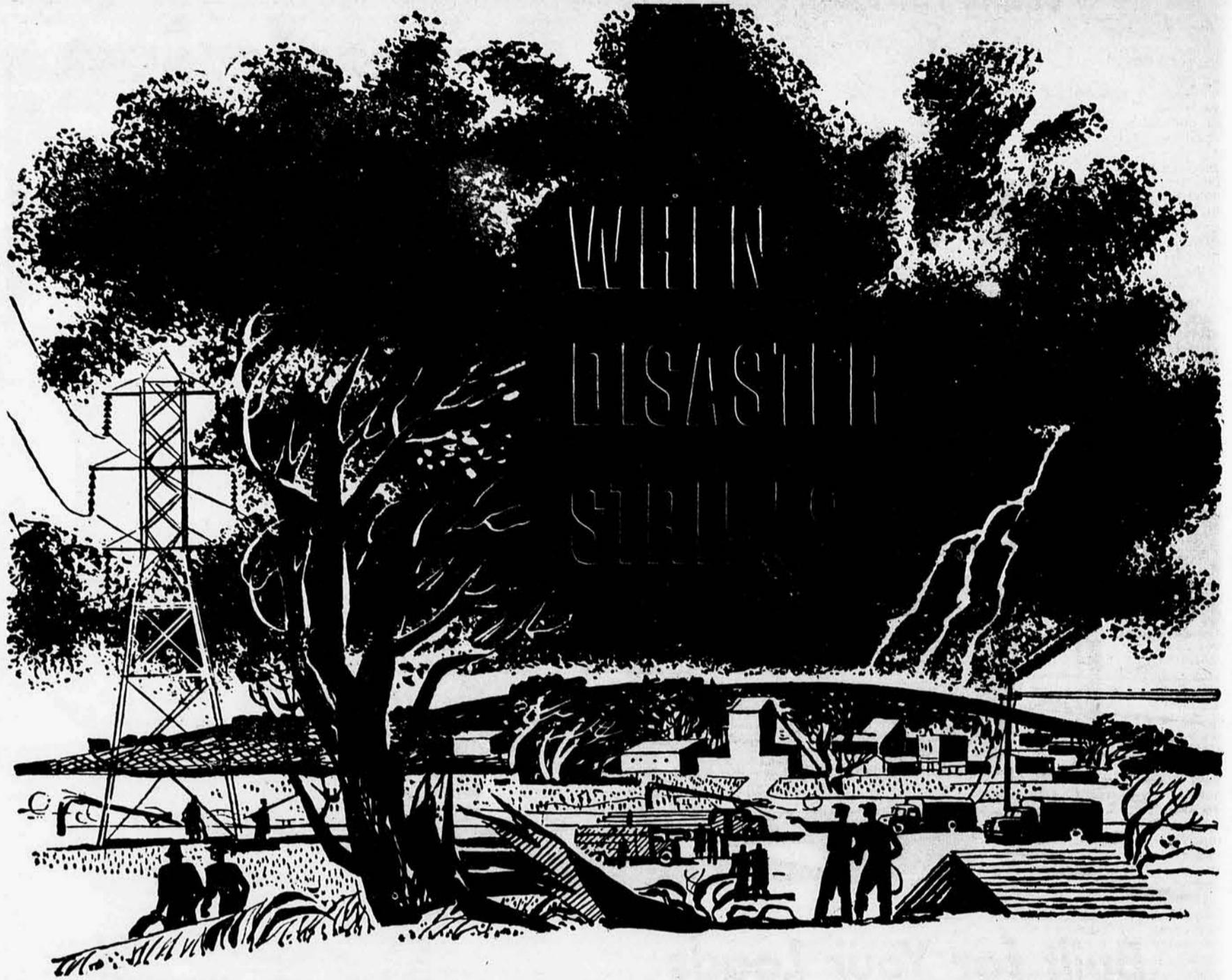
Over the years, Chevrolet trucks have brought higher trade-in allowances than other trucks in their price field. That's because greater value is built in!



MORE CHEVROLET TRUCKS IN USE THAN ANY OTHER MAKE!



Check Chevrolet's Advance-Design Truck Features: TWO GREAT VALVE-IN-HEAD ENGINES—the 105-h.p. Loadmaster or the 92-h.p. Thriftmaster—give more power per gallon, lower cost per load • POWER-JET CARBURETOR—smooth, quick acceleration • DIAPHRAGM SPRING CLUTCH—easy-action engagement • SYNCHRO-MESH TRANSMISSIONS—fast, smooth shifting • HYPOID REAR AXLES—dependability and long life • NEW TORQUE-ACTION BRAKES—on light-duty models • PROVED DEPENDABLE DOUBLE-ARTICULATED BRAKES—on medium-duty models • NEW TWIN-ACTION REAR BRAKES—on heavy-duty models • NEW DUAL-SHOE PARKING BRAKE—on heavy-duty models • NEW CAB SEAT—complete riding comfort • NEW VENTIPANES—improved ventilation • WIDE-BASE WHEELS—increased tire mileage • BALL-TYPE STEERING—easier handling • UNIT-DESIGNED BODIES—better construction • ADVANCE-DESIGN STYLING—increased comfort, modern appearance.



ONLY TIME will erase memories of the FLOOD of 1951—greatest single disaster that ever struck Kansas or the entire nation for that matter.

Even when memories of the present generation who lived through the trying days have been dimmed by the years, a stirring story will have been written into the annals of this state. Future generations who read the history of the period should be stirred by the great saga that tells about thousands upon thousands of people rushing to the aid of those in need who caught the impact of the great disaster.

Your electric companies, in many areas, suffered extensive damage, too. Lines were washed down, electric switchyards were knocked out by water and whole generating stations were submerged.

Heroic efforts on the part of operating crews kept outages to a minimum. Connections were made from boats bouncing in the swirling waters . . . temporary

transformers were set up in fields to keep electric service flowing through the wires. Through a vast system of interconnections between private electric utilities, electric power was sent to take the place of knocked-out generating plants.

Since the flood, our operating crews have been working around the clock to maintain utility service. They will continue working day and night to repair the flood damage.

We feel certain you understand that it takes time to dry out transformers, rebuild lines and accomplish those things necessary to completely restore the dependable electric service you're used to.

Thanks for your patience and understanding.

If you live in a flooded area, you doubtless have called in your electric dealer or one of our representatives in event your electric equipment has been under water.

ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

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



Flowers or Cattle?

(Continued from Page 1)

his little Iris garden as a hobby. When he sold out this year to the Salina Flower Farms, Salina, he had 2,257 varieties. "I had the largest collection of currently available Iris root stock varieties in the world," says Melvin.

Because he was so intensely interested in his Iris, Melvin's hobby flourished from the start. From 1929 until 1933 he lived on the farm and built up his Iris root stock varieties as a side line to helping his father with regular farm work. In turn, it wasn't long until his parents also were involved.

Then, in 1933, disaster struck. Mitchell county was in the dust-storm area. Rains ceased and great clouds of dust bore down on the Geiser farm week after week. To make matters worse, grasshoppers came by the millions.

Iris Are Hardy

"And my Iris plants were eaten into the ground," recalls Melvin, "but about 50 per cent of my root stock survived." The extreme hardness of Iris was one reason Melvin chose this flower. His faith was well justified that year.

From 1933 until 1946 Melvin was away from home much of the time. His parents took over the Iris work when Melvin was gone, and assisted him with it during periods he could be at home.

When he was discharged from the Army Melvin went back to the farm full time. In 1948 he married an Iowa farm girl and his new wife immediately took over the growing book work.

Melvin early realized the financial possibilities of his Iris. By 1934 he was distributing 3,500 catalogs in Kansas and neighboring states and had 450 varieties of Iris to offer. He also had added the sale of imported Dutch bulbs.

By 1948 Melvin issued printed catalogs and had more than 1,800 Iris varieties on the farm.

When the Iris Farm was sold this year Melvin had already issued a 70-page printed catalog offering more than 2,250 varieties of Iris, plus his other flowers. Advertising was being run in many local and national publications and Iris root stock was being sold off the farm to customers in all 48 states and 11 foreign countries.

"During the years," says Melvin, "I had been gleaming root stock until I had about every known variety of Iris currently on the market. Many of my varieties came from Asia Minor, Spain, and other sections of Europe and Asia.

Altho Melvin obtained many of his new varieties thru trading, he paid out good money when he found some special new variety. "I have paid as much as \$100 for a single Iris root I wanted."

Melvin's hobby did more than become a business. It led him into many new experiences. During 1949 and 1950 he went on lecture tours, appearing before garden and civic clubs as an expert on Iris culture. On these appearances he would show pictures from his collection of 1,700 kodachrome slides on Iris varieties. Copies of these slides also were made available by mail to garden clubs thruout the United States.

"There are a lot of things about Iris the average person doesn't know," says Melvin. "For instance, some varieties have very unusual odors such as spice, orange blossom, grape, lily, lilac, vanilla, sweet pea, almond and rose.

"Iris can be propagated true to name," he continues, "only by root division and not by seed. And contrary to popular belief, Iris do not change color." Some 19,000 varieties of Iris

have been registered thru the years, Melvin explains, but only about 2,500 are currently available.

What is the goal of every Iris breeder? "To produce a true red blossom," says Melvin. "No one has succeeded so far," he adds.

Official slogan for the Geiser Iris Farm was: "We grow Iris by the millions for the millions." No truer statement ever was made.

Last year alone the farm shipped out more than a half million Iris roots. During the peak shipping season (mid-July) the farm employed 3 persons in the office and 12 in the fields and packing sheds.

Iris can be seen blooming on the Geiser farm from about March 20 until the first fall freeze.

During the peak blooming season (May) it was not unusual for 3,500 persons to visit the Iris Farm on a nice Sunday. "We had to hire neighbor boys to handle the traffic," Melvin says. But the Geisers recognized the value of visitors and entered into the spirit of the thing.

On a typical Sunday, Melvin checked and found cars from such distant points as Kansas City, Omaha, Tulsa and Denver.

Hundreds of Visitors

Weekdays often would average 200 visitors a day thru May. "It was not unusual for 12,000 visitors to tour the farm during May," Melvin says.

"Mine wasn't the largest Iris farm in the country," says Melvin. "There is an 80-acre Iris farm in Michigan, a 30-acre farm in Missouri, and about 15 large Iris farms altogether in the United States. Most of them, however, specialize in 100 or 200 of the most popular varieties. I specialized in having almost any known variety."

The Geiser rural mailbox looks like something dreamed up by a Hollywood gag man. It is 15 feet long, 4 feet wide and 4 feet deep.

In 1950 the farm mailed out 34,000 catalogs. Single one-inch ads in magazines often brought 2,200 replies. These, plus orders and letters from catalog customers, accounted for the huge mail.

"Our average orders for Iris root stock ran around \$3.15," says Melvin, "and 300 such orders a day were customary during the busy season. In addition to these sales we also wholesaled root stock thru many seed houses."

As a business venture, the 17-acre Iris patch became the tail that wagged the dog. "Our gross income from the 17 acres of Iris eventually equaled the gross income from our cattle and 2 1/2 sections of land," says Melvin. "Of course," he adds, "expenses were greater because of advertising costs and the large amount of hand work."

Why, then, are the Geisers getting out of the Iris business? "My folks are retiring on the farm," says Melvin. They have rented out the farmland and certainly have earned a rest. I plan to finish getting a master's degree at the University of Colorado then go into labor-relations work."

"We will discard all but 300 of the more than 2,250 varieties," says Mr. Briscoe. "We also will discontinue foreign shipments because of the red tape involved."

Millions of people have been touched with "Iris fever" because of Melvin Geiser's boyhood hope and faith that made his parents' Mitchell county farm the "Iris center of the world."

Frigidaire



Farm families will take delight in this new DeLuxe Frigidaire because besides its beauty it brings freedom from frequent trips to town. Built for Once-A-Week Shopping, its roominess and new convenience make it a boon to farm wives and mothers.

SEE THEM AT ANY OF THESE DEALERS

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Stine Hardware | LAKIN
Hart & Co. | PEABODY
Baker Furn. Store |
| ALFAMONT
Holmes Hdwe. Co. | EL DORADO
Home Appliances, Inc. | LARNED
A. A. Doerr Merc. Co. | PHILLIPSBURG
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EHS Motor Service | LEBANON
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Burkholder Lbr. Co. | PLAINVILLE
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Prinsen Bros. Hdwe. |
| ARLINGTON
Fay's Sundries & Appl. | EMPORIA
Litke-Stephens Furn. Co. | LEON
Losh Motor Co. | PRATT
Link Electric |
| ARMA
Bosnio Hdwe. & Appl. | ERIE
Rogers' Hdw. & Furn. | LEOTI
Western Hdwe. & Sup. | PRETTY PRAIRIE
General Appliance Co. |
| ASHLAND
Grimes Appliance Co. | ESKRIDGE
Willard Sales & Serv. | LIBERAL
Hettie Appl. | QUINTER
Quinter Appl. Store |
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K. R. Anthony Furn. | EUREKA
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Lauter Electric Shop | MANHATTAN
Kaup Furniture Co. | SATANTA
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Green's Appl. Store | SHARON SPRINGS
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Marshall's, Inc. | HOPE
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Clark Supply Co. |
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Beccotte-Esslinger | HOWARD
Virgil Munsinger | NEODESHA
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Southwestern Sales Co. | INDEPENDENCE
Sell-Orr, Inc. | NEWTON
The Appliance Mart | WASHINGTON
Anderson Hardware |
| COLBY
Mackay Appliance Co. | IOLA
Schell's Appl. Store | NORON
Horney's, Appl. | WATERVILLE
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The Appl. Center, Inc. |
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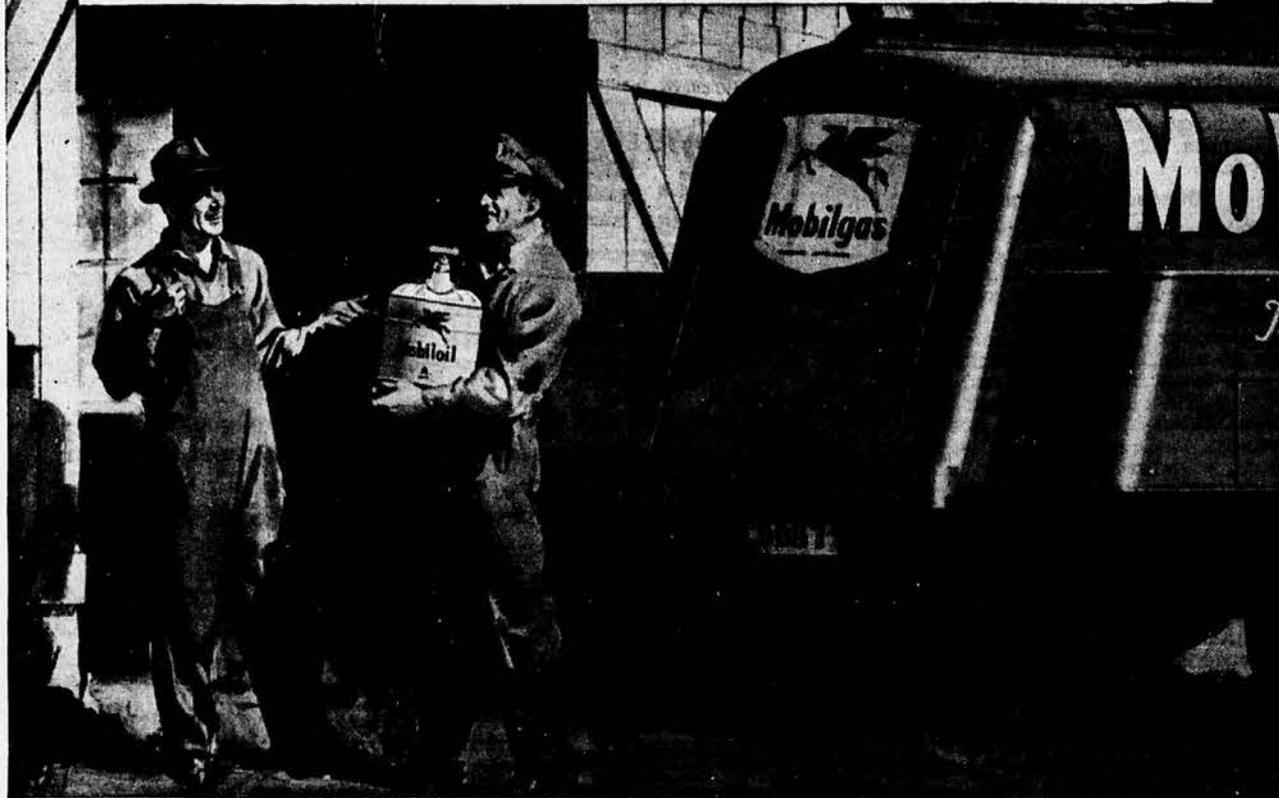


COLOR PICTURE layouts of Iris were used by Melvin Geiser, shown here, as part of the material presented on lecture tours before garden and civic clubs thruout the United States.

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Mobiloil-Mobilgrease Needs Now!



Ask Your Mobilgas-Mobiloil Man About His SPECIAL FUTURE ORDER PLAN!



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It's time to get set for next year—be assured of your 1952 farm lubrication needs by ordering your requirements now! Call in your Mobilgas-Mobiloil Man and place your order for Mobiloil and Mobilgrease—take delivery later. You'll agree his 1952 Future Order Plan is one that you cannot pass up . . . one that benefits you.

MOBILLOIL—a heavy-duty motor oil—*triple-action* for Maximum Protection . . . Full Power . . . Top Operating Economy!

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MOBILUBE GEAR OIL—protects against wear . . . makes shifting easy!

Mobil Farm Lubrication

Co-Ops Observe 75th Anniversary

By LEONARD M. LOWE

KANSAS Co-op Week, August 13-18, calls to mind that 75 years have rolled around since Kansas farmers organized their own purchasing co-operative. In 1876, Grange members in Linn county chartered the Patrons Cooperative Association at Cadmus, still in operation today. Today more than 600 marketing and supply co-operatives are run by Kansas farmers for their own use. These organizations include facilities for marketing grain, wool, livestock and dairy products. On the supply side are stores thru which farmers supply themselves with consumer products, farm machinery, groceries and other items. Electric co-operatives provide light and power while credit co-operatives and credit unions help to meet credit needs peculiar to farmers. All in all, Kansas farmers have made a lot of progress in the art of working together to help themselves in 75 years.

The present healthy state of farmer co-operatives in Kansas was not attained without much sweat and toil. Probably more co-ops have failed than have succeeded. The casual observer who sees the hundreds of tall white grain elevators in the central and western part of the state carrying the name "CO-OP," has little or no appreciation of the vast amount of real co-operation that was necessary before those elevators could even be built. You don't turn an ordinary private business into a co-operative. Each individual co-op organization has to be built from the ground up, the hard way. First, a small group become interested and attempts to interest other farmers in better marketing and purchasing facilities than are available. Months and sometimes years of education follow before an organization is perfected and stock is sold to put up the facilities needed. Co-operatives are extremely democratic, with every member having one vote and no more regardless of the amount of stock owned. Constant education of members is required since the members themselves must know how to run their own business.

Replace Flood Damaged Bonds

U. S. Savings Bonds lost or badly damaged by floodwaters retain full replacement value for the owner, according to Evan Griffith, Kansas Savings Bonds Chairman. To have bonds replaced, owners should contact local banks, who have been provided necessary forms. The procedure can be speeded by supplying all possible information regarding the lost bonds. Serial number, date and place of issue, circumstances surrounding loss, and complete name of owner and co-owner or beneficiary, are among the points included in valuable information.

Individual Glass

When a child is sick and needs to use an individual drinking glass, use bright red nail polish and print his name on the glass. The polish can be removed with nail polish remover.—Mrs. N. H.

What the Skin Covers

By CHARLES H. LERRIGO, M.D.

Our friend John Q. Public is apt to classify as skin disease every ailment that causes his skin to itch, to redden, or to break out. He forgets that the skin covers many disturbances, and is subject to explosions. Many a skin eruption lies deeper than the surface. So many write about skin problems that I am revising my special letter "Hints About Skin Diseases." Any subscriber 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.

Warren Goes to Switzerland

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 third one from Warren Prawl, of Severance, who has gone to Switzerland.



Warren Prawl

DEAR MR. GILKESON: Finally I have arrived at my destination. My home for the summer is near Tenero, in Southern Switzerland, near Locarno and Bellinzona in the canton of Tessin, or Ticino, as the Italians call it. The farm is a large one for Switzerland, about 125 acres, and is managed by Herr Feitknecht. It is really a home for disabled Swiss soldiers.

But to get back to my little sketch of where I am and where I have been since we docked at Le Havre, France, on July 6. After going thru customs on the boat we caught a special train for Paris. The Anglo-American Hotel was where we stacked our bags, cleaned up and then headed out to paint the town red.

There is more noise in Paris than any other town in the whole wide world I know. And just try to hail a taxi! In the U. S. all one has to do is wave your arm and whistle. But in Paris you have to run them down. We tried for 10 minutes to get a taxi and every time one would come close someone would run out in the middle of the street and hop in. Finally that is exactly what we did. I thought I knew enough French to tell the driver where to go and after about the third attempt I made him understand. All I have to say is that Paris is really gay at night.

We told our fellow IFYE's good-bye for some of us were leaving the following morning early. Some for Turkey, Israel, etc. The 3 girls and myself left to catch our train for Bern.

Many Attractive Fields

The patchwork of the fields and the woods in Switzerland seemed to belong to another world. Everything seemed so neat and clean as if it had just rained. There were mountains and more mountains with valleys running into bigger valleys.

Two things surprised me very much. That was the great areas of forest and the crops. Everything I saw grows very well in Eastern Kansas and I was under the impression this country was too high and cold to grow what we did.

We were met in Bern by Mr. Zahn, in charge of the IFYE's here in Switzerland this year. He is an agricultural engineer for the government of Switzerland. After cleaning up at our hotel we were picked up by Doctor Minneman, the American counselor in Bern, and headed out to supper.

Sunday morning we saw the sights. We visited the old city first and the dates inscribed on the houses dated back to 1610. About the time the Pilgrims were settling in America. I wish I could impress others with the idea that this country is very ancient, not only in its buildings, but its customs, government.

We visited the famous Clock Tower of Bern, then the Cathedral of Bern, noted for its Gothic style of architecture and many spires and steeples.

Next we visited the noted bear pits of Bern. All I could see was a group of bears begging for carrots. These dancing bears are the symbol of Bern and have been for hundreds of years.

We had to hurry to catch our train for Morges, a small town near Geneva, which was to be our home for a week. It is the site of one of 4 agricultural schools in Switzerland. Our stay was too short for us to find out much about the schools but I did find out a few things. The school is for boys and girls, 160 boys and 25 girls during the regular term. The boys do all the farm work and go to school. This way they get the learning from books and from actual experience and this is a very good practice. The boys pay 400 francs for their year in school, the state pays the remainder of their education bill.

During the 3 months of summer the boys work hard in the field but have little classwork and the result is a practical education for no money. The girls do all the work that goes with making a home. They work in the gardens, care for chickens, cook and sew.

The school is an experiment station also and all the latest ideas are put under observation to see whether they are practical for Swiss farms.

I worked with all the different crews,

the garden crew, the field crew, and helped care for the cows. The cows here are red and white, called Semantals, and the original Brown Swiss. The Semantals are larger than our Holsteins and carry much more flesh while the Brown Swiss here are not quite as large as the Brown Swiss in the U. S. There is no such thing as a beef breed in Switzerland for the cows serve a dual purpose—milk and beef. There are 2 other minor breeds but the number of animals is very small.

On Wednesday Mr. Lugeon, who corresponds to our county agent, guided us on a tour of the country. First we visited a cheese factory that has supplied the city of Lausanne with part of its cheese for the last 60 years. The young owner had learned the trade from his father and so on down the line and their cheese is the best to be had in this part of Switzerland.

After the cheese factory we scaled the vineyards growing on the hills near Vevey. When I mean scaled I mean it, for the terrain ran in 2 directions—up and down. About every 200 feet there were big stone retaining walls to hold the soil on the slopes. The grapes are all carried downhill on backs of workers for it is too steep even for horses.

In the afternoon we motored up the Rhone river valley as far as Saxon. Fifteen years ago this was two-thirds marsh and swamp but today all you see growing is orchards in the valley and vineyards on the slopes. The soil is sand and for humus peat moss and manure are used. Apples, pears and cherries make up the majority of the orchards. The land is worth 10 times more than that in the U. S. and the best vineyards more than that.

One thing that amazed us was the fortifications along the lake and thru the valley. Anti-tank barriers, gun emplacements and barbwire fences were very much in evidence, especially at the narrow parts of the valley.

On Thursday afternoon Mr. Tuesch and Mr. Ronea of the International Harvester Company took us to dinner and in the afternoon we toured the old city of Lausanne. We visited the Cathedral of Lausanne, which is 600 years old.

On Friday afternoon we visited the noted city of Geneva and the beautiful rose gardens. More narrow streets here and another cathedral, St. Peter, of 14th century origin.

On Saturday morning we bid everyone good-bye and left for our country homes. I forgot to mention "Our American Night," on Thursday, when we explained 4-H to all the students, thru an interpreter, of course. I think we accomplished our mission at Morges very well. Ardis, the IFYE from Minnesota, had some popcorn and what a sensation that caused. Not one of those present had ever seen popcorn before and they couldn't see how we got so much from so little.

My train was late and there was no one to meet me at the station and there I was in the middle of a village with no one to talk to in English but myself. I called my host and made them understand who I was and they were to come right up and get me. One of my bags did not arrive for me either so what a way to begin a summer. Everything is rosy and bright now, however.

—Warren Prawl.



SAVE TIME—MONEY
BUILD & REPAIR FENCES
 with **"EASY-WAY"**
POWER POST-HOLE DIGGER

NOW You Can Set FENCE POSTS FOR Less Than 1c EACH — 40 to 60 Per HOUR!

Why break your back digging post-holes? Thousands of farmers from coast to coast are now using the "Easy-Way" to save time, money, work in building and keeping fences in repair as a spare-time chore. It's all steel—a boy can operate it safely. Will last your life-time. Very reasonably priced.

Set Fence Posts In One Minute With "EASY-WAY" POWER POST-HOLE DIGGER

THE BEST PIECE OF LABOR SAVING POWER EQUIPMENT YOU'LL EVER OWN

"Easy-Way" attaches quickly to tractor or jeep! Digs vertical 6" or 9" holes, even on hillsides, up to 48" deep—40 to 60 per hour. Heat treated bit—powerful torque bar—oilite bearings throughout—Mehanite gears—removable case-hardened bit—and many other features make "Easy-Way" outstanding.



QUICKLY INSTALLED — RIDES LIKE A PLUMB-BOB

Four to six bolts attaches Digger to Power-Take-Off and you're on your way. Can be attached or removed in 10 to 15 minutes. Digs deep, fast, clean, in any soil.

MAIL TODAY FOR COMPLETE INFORMATION

PORT HURON CO. 1304 W. 12TH ST. KANSAS CITY, MO.

Please send me free circular and price on "Easy-Way" Post-Hole Digger.



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KANSAS CO-OP WEEK AUG. 13-18 1876 — 1951

Seventy-five years of co-operation in Kansas

During Co-op Week we honor the memory of early Kansas farmers who had the vision to pioneer in co-operative marketing and purchasing. They braved innumerable difficulties to lay the foundations for the modern system of farm co-operatives which today help to make Kansas a great state.



KANSAS CO-OPERATIVE COUNCIL

GARLINGHOUSE BLDG. TOPEKA



BETTER HURRY and get that GEHL FORAGE HARVESTER

More farmers own Gehls. Every year has been a sell-out, even with constantly increasing production. Order your Gehl now. The Row-Crop Attachment cuts standing corn, cane, sorghum, etc., chops it for silage and blows it into wagon. Handles up to thirty tons per hour.

MAKES BETTER CORN SILAGE FASTER

QUICK CHANGE-OVER FOR 3-WAY HARVESTING

One basic machine, with power take-off from tractor or own motor, takes (1) Hay Pickup; (2) Mower Bar; (3) Row-Crop Attachment.

Exclusive. The Gehl Row-Crop Attachment has patented auger-type gatherers instead of chains. No breakdowns... less tendency to knock off ears.

Gehl Equipment does the complete job from field to storage. Powerful tilt-up blower elevates to highest silo or mow. Power take-off from blower or separate electric drive operates GEHL SELF-UNLOADING WAGON and others. Buy a Gehl Wagon Box complete, or build your own, by using Gehl Parts Kit and Free Plans.

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FREE WAGON BOX PLANS...for building self-unloading forage wagon box, using Gehl Parts Kit of complete iron work, windlass, chains, bearings, etc. Ask your dealer or drop us a postal card today.



THERE'S NOTHING BETTER THAN A GEHL!

Donna Goes to France

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 third one from Donna Cowan, of Emporia, who has gone to France.



Donna Cowan

DEAR MR. GILKESON: This past week I've eaten breakfast in Herbecourt, France; St. Trond, Belgium; Goes, Holland; and Paris, France. All in 5 days! Monsieur Vanoye, my host here in the Picardie region of France, has big orchards of apples and pears and he drove thru Belgium to Holland to visit the orchards of some fellow producers. I think I'm very lucky to be living with such a thoughtful family, for the opportunity to live in France is wonderful, but the chance to visit other countries at the same time is almost too good to be true. After driving an hour and a half we reached the Belgian border. It was almost like driving from Kansas to Nebraska. Only there were customs officials there who checked our passports. Even the car must have a passport to go from one country to another. In Brussels, the capital of Belgium, we stopped to see the Grand Place, a big city square surrounded by buildings 500 or more years old. A Belgian fruit grower and his wife joined us in St. Trond for the drive on to Holland. We saw many American cars in Belgium.

The land isn't completely flat, that is, one can't see for miles at a stretch; however, what seem to be hills aren't hills at all, but dikes. We went to the home of a Dutchman who showed us some ripening apples and pears in his several orchards. At lunch the Dutchmen, Belgians, Frenchman, and American had quite a time discussing apples and world affairs. The Belgian translated all the time from French to Dutch.

Reclaim Land for Crops

Holland seems to be made up of islands and peninsulas. On the way to another orchard we stopped the car and climbed to the top of a dike to look out at the sea. It's almost incredible to stand high up and see gray water on one side and green crops on the other of a mound of earth. Every few years a new dike is built farther out into the sea and more land is gained for cultivation. At the next farm the lady spoke English and she showed us thru her charming home.

We stayed overnight in Goes, an old Dutch seaport, but now the sea has been pushed several miles out by the dikes, so the ships no longer come to Goes. The next morning we drove farther out on the peninsula of Zeeland. A ferry boat took our car and us across the water to Breskens and it wasn't long before we crossed the border back into Belgium. While in Holland we did see some windmills, and a few authentic Dutch costumes.

A group of young French farmers invited me to Amiens, the chief town of the department, just like Topeka is the capitol of Kansas, for a day. The Cercle des Jeunes is the name of their organization and they are part of the Confederation General of Agriculture. The girls have classes in cooking and sewing, and the boys learn to judge livestock and crops and have their work judged in contests. The youngest age is at least 16 and most are in their 20's.

Thru the Cercle des Jeunes the IFYE program is handled in France. We discussed 4-H Club work and their organization at the office of the director of youth work, and altho all 5 of the young men and women had studied some English in school, they insisted that we talk in French. But I didn't mind, because if they can put up with the way I handle French grammar, I think it's fun to talk French.

One afternoon we went to the prefecture, which corresponds to a state capitol building, and there I was officially welcomed to the department of the Somme. In front of the building a tiny Z-horsepower Citron was waiting for us, and somehow all 6 of us got into it and drove to the "hortillonages," truck gardens that grow on islands surrounded by canals from the Somme river. The soil is very rich and vegetables mature ahead of the season. The gardeners go from one plot to another in little boats that they steer thru the canals. We saw tomato plants and onions and all sorts of good-looking garden stuff. The gardener showed us around his property in his little boat,

and it was really fun to float along the narrow stream with lettuce on both sides.

The next day Monsieur Vanoye and I left early in the morning to drive to Paris. He had a 2-day conference to attend, and he knew I had "business" to attend to in the nation's capitol. First I went to the office of La Terre Nouvelle, a French agricultural newspaper, which had asked me to write an article on my impressions of France, and had invited me to spend an evening in Paris with them. The editor was very nice and he and 3 other men took me to another 2-hour lunch. In the afternoon they drove me all around Paris to see Eiffel Tower, the river Seine, Sorbonne University on the Left Bank, the cathedral of Notre Dame, the Chambre des Deputes, the Senate, Hotel des Invalides, where Napoleon's body is buried, the Pantheon, where the great men of France such as Victor Hugo, are interred, and Bois des Boulogne woods.

We got back to the newspaper office in time to see the paper being printed. So now I know how a paper is made, but it was all explained to me in French so I'm not quite sure. Then we drove to see some more sights, including Place Pigalle, Montmartre, the relatively new (50 years old) cathedral of Sacre Coeur (sacred heart), the Etoile "Star," so called because the streets radiate from the Arc de Triomphe in a star formation, and the Place de la Concorde, the Louvre and the Tuileries Gardens. I had dinner with the editor and his wife and family in their Paris apartment and then we went to the Palais de Chaillot, a gigantic theater, to see a ballet in Hommage to Tchaikowsky. I'd never been on the Metro, the underground subway, so they took me to my hotel by way of the genuine Paris Metro.

The next day I went to visit the Embassy of the United States of America. Dr. Monroe McCown, of Indiana, the agricultural attache, and Mr. Bates, of Iowa, as well as the rest of the staff are very nice. They forward all our mail from their office. I had lunch with them.

On the way home we drove thru the forest of Compiègne and Monsieur Vanoye showed me the King's Chateau there. From the road we could see the radiating paths thru the forest that the horses use for hunting. Not much farther along the road we came to the old feudal castle de Pierrefonds. It existed before the eleventh century and even has a moat. A feudal castle seemed very remote in my ancient history class last year, but here in France ancient history as well as modern history are far from being remote. Within 2 kilometers of the farm there are canals dug by monks in the 14th century, and bombed buildings from the 20th.

When we got home to the farm at Herbecourt all 5 of the children were here, and a boy from Holland has come to spend a month. One of the daughters just got back from a visit to Spain so she and I spoke Spanish and that evening at the table French was interspersed with Spanish, English and Dutch. This is really an experiment in international living. I'll be here until about September 1, then I'll go to live in Var on the Mediterranean. My address is c/o Dr. Monroe McCown, Agricultural Attache, American Embassy, Paris, France.

—Donna Cowan.



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Have You Heard?

MASSEY-HARRIS is announcing new improvements in 2 self-propelled combines—"Super 26" and "Super 27" combines, now in production for 1951. With an eye to more operating comfort, the combines have a new-type, upholstered, spring-filled cushion and backrest that takes less space on the platform.

Provisions have been made for speeding up the knife, assuring maximum cutting efficiency at high ground speeds. The multiple speed drive, which formerly provided 24 speeds, now gives the operator 32 forward speeds for proper field travel in all types and conditions of crops.

The new combines with Balanced Separation (grain is always under complete control) are available as before—Super 26 with 10- and 12-foot cut and Super 27 in 12-, 14- and 16-foot sizes.

The J. I. Case Company, Racine, Wis., is introducing an automatic Twine-Tie Baler this year. The new "NCM-T" has all the advantages of the "NCM" Slicer Baler plus simple, positive self-tying. It makes firm, neat, full-weight bales, sliced for easy feeding, tied to stay tied, and ventilated for better curing.

Another new Case machine for 1951 announcement is their "E-2" Portable Elevator, which replaces their earlier-model elevator. Its sides are adjustable to 4 positions—for small grains, ear corn, baled hay, and feed sacks. It's operated by engine, belt pulley, power take-off or electric motor. Is easily moved on its rubber-tired wheels by one man. Available in 28-, 32- and 36-foot lengths.

Rototiller, Inc., Troy, N. Y., announces a new semi-DeLuxe Model T Roto-Ette for farm and garden work. The new model incorporates a 2-horsepower Briggs and Stratton engine instead of the 1½-horsepower engine on the standard Model T. With higher power, the new model will make a 20-inch cut instead of 16-inch. It incorporates instantly adjustable side-swinging handlebars.

Air-Tron, a powerful new electronic air purifier, is an answer to the age-old problem of farm odors caused by livestock or poultry, dampness or mustiness. And the cost is less than a half cent a day. It is produced by Roy C. Stove and Co., Chicago. Air-Tron banishes odors and mustiness in damp basements, also in places where drainage facilities aren't too effective. If you want the "air in the dairy barns and chicken brooder houses kept pure and fresh," put Air-Tron to work.

The new Gehl Forage Harvester features the "quick change-over" attachments for 3-way harvesting. The newly-developed Gehl mower-bar attachment for grass silage mows and chops the usual low-growing crops, such as alfalfa and brome. It also mows and chops the new tall-growing "balanced silage" mixtures such as millet, Sudan grass, soybeans, sorghum and cane, sowed broadcast. The hay pickup attachment picks up dry hay, straw or grass for hay or silage, chops it and blows it into the wagon. The row-crop attachment cuts standing corn and cane for silage. The new harvester is made by Gehl Brothers Manufacturing Co., West Bend, Wis.

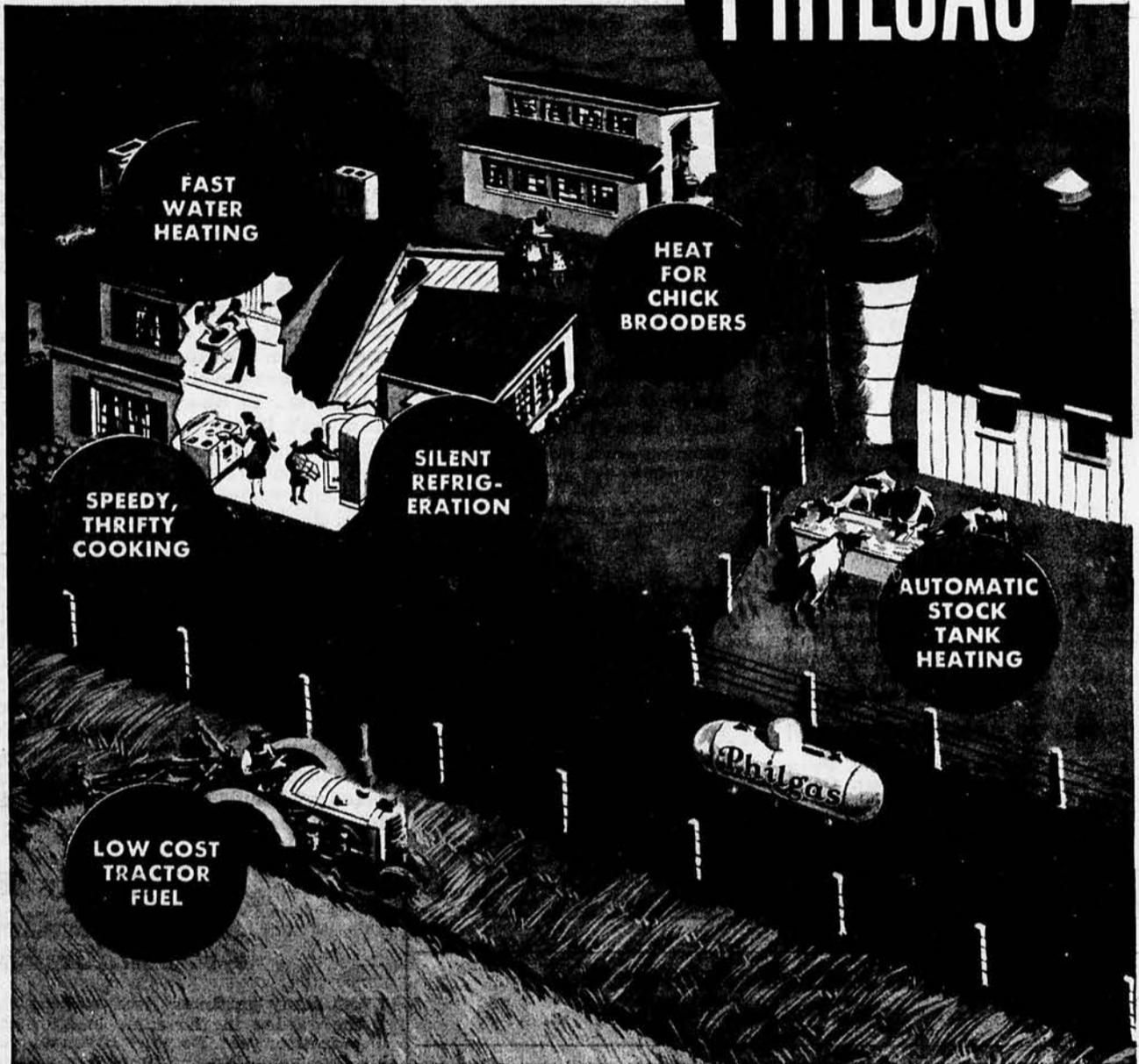
Ralston Purina Co., St. Louis, Mo., announces opening of their new mill at Macon, Ga. Capacity of the plant on a 2-shift basis is 120,000 tons of Chows annually.

For Safety Program

In the interest of farm safety, we have a playlet, "The Strong Soul," which we can recommend. There are parts for 6 characters, 3 male and 3 female, and takes about 20 minutes to present. This is a 1-act comedy which will tickle the funny bone of your community audience, but also will give them something to think about in the way of preventing accidents. The setting for the play is simple. Please address Entertainment Editor, Kansas Farmer, Topeka, and enclose 4c for 1 copy, or 15c for 7 copies of the play.

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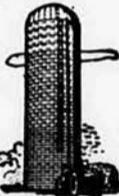
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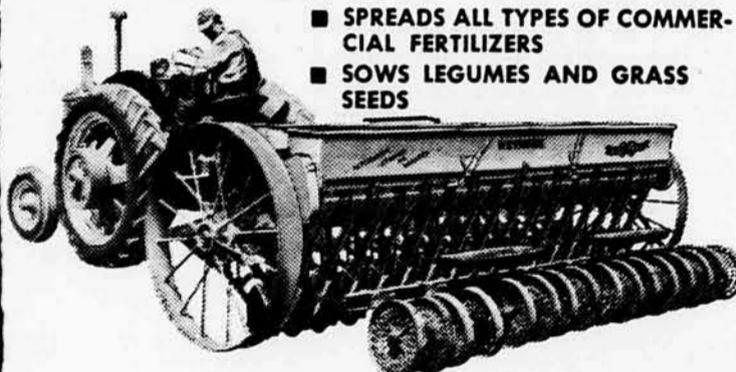
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Thoughts TO LIVE BY

"The Second Mile"

THERE are different kinds of goodness. Someone has spoken about "the sheer goodness of necessity." This is a value without any virtue. When Israel was enslaved in Egypt, Moses came in the name of the Most High to entreat Pharaoh saying, "Let my people go." Freeing the slave is a meritorious deed. But Pharaoh wasn't interested in meritorious deeds. By slave labor, he was writing his name on the pages of history. Buildings were being erected which would survive the centuries as his memorials. He put glory above virtue. Under the circumstances, he didn't want to liberate the slaves. He wasn't interested in doing the ethical thing. There followed a series of 10 destructive plagues which eventually compelled Pharaoh to let Israel go. The time came when he did the right thing under compulsion. That is "the sheer goodness of necessity."

It is with us today. Do men pay taxes because they enthusiastically support the government or because the law requires it? Are the committees of our benevolent institutions filled by people whose hearts are dedicated to the worthy cause or because civic participation is expected of people in prominent positions? Too often we are like chil-

dren who are good, not for goodness' sake but, because of the rod in the strong hand of a parent.

In the New Testament days, a Roman soldier could conscript a civilian and make him carry his baggage for a mile. The man so drafted could resent his service and curse his fate with every step. Unwillingly, he did what was required. That again was "the sheer goodness of necessity." It was of value to the soldier, but there was nothing of virtue in it.

To his followers, Jesus proposed a radically different type of goodness. Let the man who is compelled to go one mile go an extra mile also. It is the principle of "the second mile." It is choosing to do more than the law can require. It is overcoming an evil practice with a good attitude. It is sacrificing one's time and pleasure to help some brother who is in need. No law can make a man go beyond the point of honesty, but the principle of "the second mile" constrains him to be generous as well as honest. No law can make a busy person sit up all night with a sick neighbor or become the teacher of a Sunday School class or the leader of a Scout troop, but the spirit of "the second mile" can. That kind of goodness has virtue as well as value, and it has a mysterious way of making the first mile shorter and easier.

—Larry Schwarz.

Many Fail to Move Garden Location

By WILLIAM G. AMSTEIN, Kansas State College

TOO many gardeners tend to keep the garden in the same location year after year. Do you? If you do, this does not allow the time or space needed to keep up the organic matter as well as to help many disease and insect problems. Most farm gardens are large enough so that one third to one half of the area could be used for green manure or soil building crops every year. In this way a 2-area plan can be worked out to advantage. As much or more can be produced in the smaller garden area.

This alternate garden location can be used to grow a legume crop that could be used as a poultry area or as a pasture for a brood sow. Other advantages to be had from the alternate gardens are the chance to plow the garden earlier in the fall, since no late vegetable crop will be in the way. Insect control problems will usually be lessened as well as disease hazards too common in continuous cropped garden areas. After this system is worked out needed fencing will be in place. Poultry if included in the alternate year, do less harm where they are well fenced.

At this time of the year a fall cover crop program could be considered. One of the best crops to include is a legume, winter vetch. Along with vetch, rye is often seeded. In many years a combination of vetch and rye makes as outstanding a soil building and/or pasture program as can be provided at this time of year for the garden. Sometimes it does so well that I find it is pastured down and nothing is left to be turned under.

If your garden area is limited I think vetch and rye can be used to advantage since the crops can be turned under early next summer in late April. The main season crops or the main plantings of crops such as sweet corn, beans, tomatoes and the like can still be made. August or early September is a good time to plant these 2 soil improving crops or some green manure crop for the garden.

In seeding winter vetch be sure to inoculate it. The use of phosphate will be helpful in securing a better stand and growth of vetch than will be obtained without it. From 10 to 20 pounds of vetch seed should be used an acre and about half the usual rye.

Better Grain Yields After Sweet Clover and Fertilizer

A COMBINATION of lime, phosphate and sweet clover help improve grain yields, according to Shaffer Brothers, Dee and Ralph, Cherokee county.

They point to one field that had not seen legume since a stand of alfalfa was plowed up in the early 30's. Since then it had grown grain—corn, wheat and oats. Then the field was limed and seeded to wheat and sweet clover. After the sweet clover was turned under it went back to wheat along with 100 pounds of 4-12-4 fertilizer an acre. The wheat made 45 bushels an acre. That same summer after the wheat was taken off the field produced 25 bushels of S-100 soybeans an acre.

The following year that same field was seeded to oats which were fertilized with 150 pounds of 0-20-0 an acre. The oats made 75 bushels.

Another 60-acre field produced some interesting results. It was limed and seeded to wheat and sweet clover. The lime application wasn't even. And streaks of sweet clover were apparent just like in the liming job. About 100 pounds of 0-20-0 were applied ahead of the clover.

Corn was planted after the sweet clover along with about 60 pounds of 4-12-4 an acre. The corn averaged about 60 bushels an acre. At one end where lime was spread more evenly, the corn made up to 70 bushels an acre.

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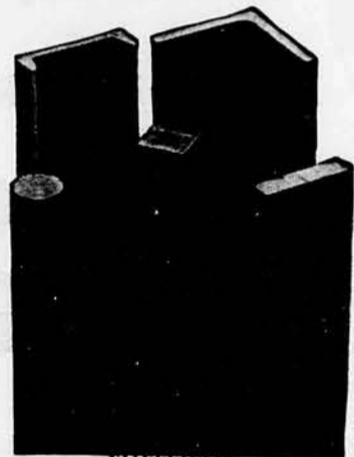
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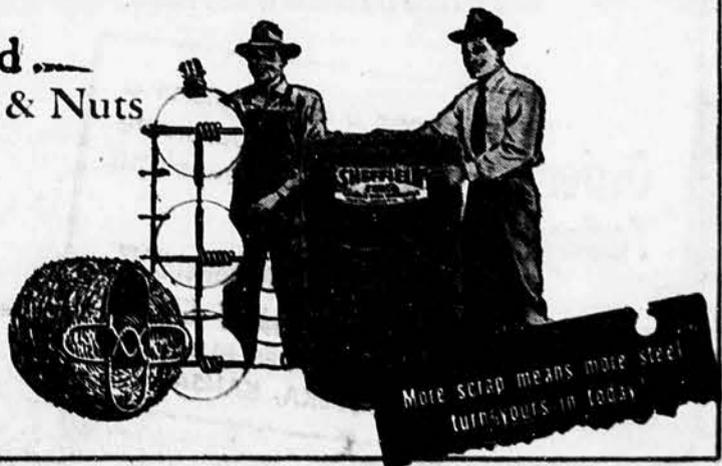
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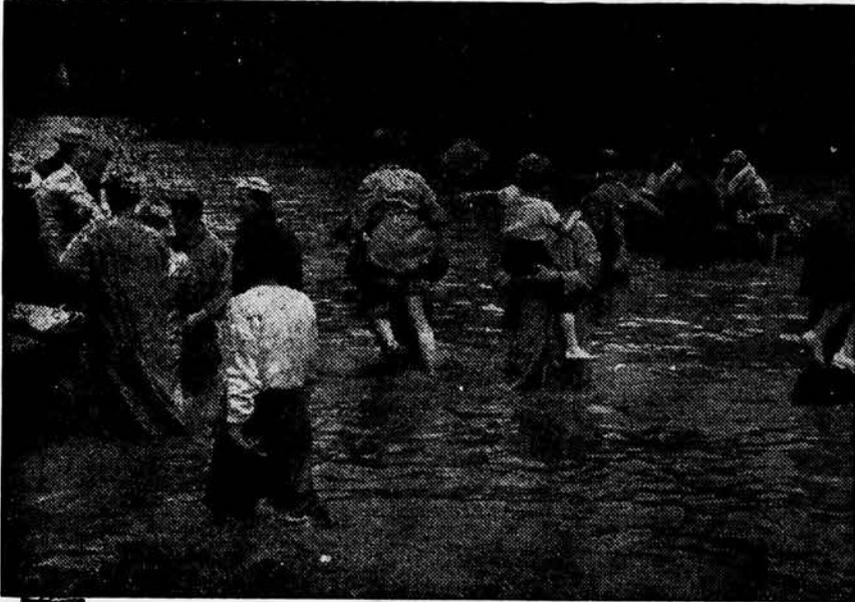


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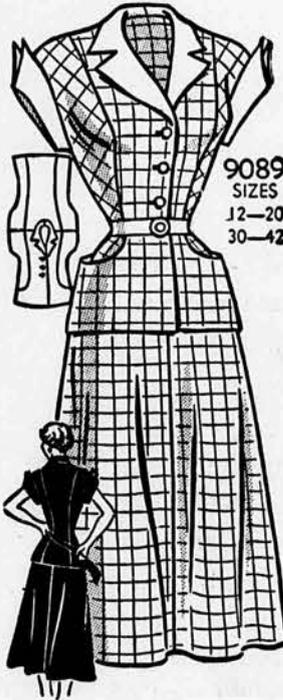
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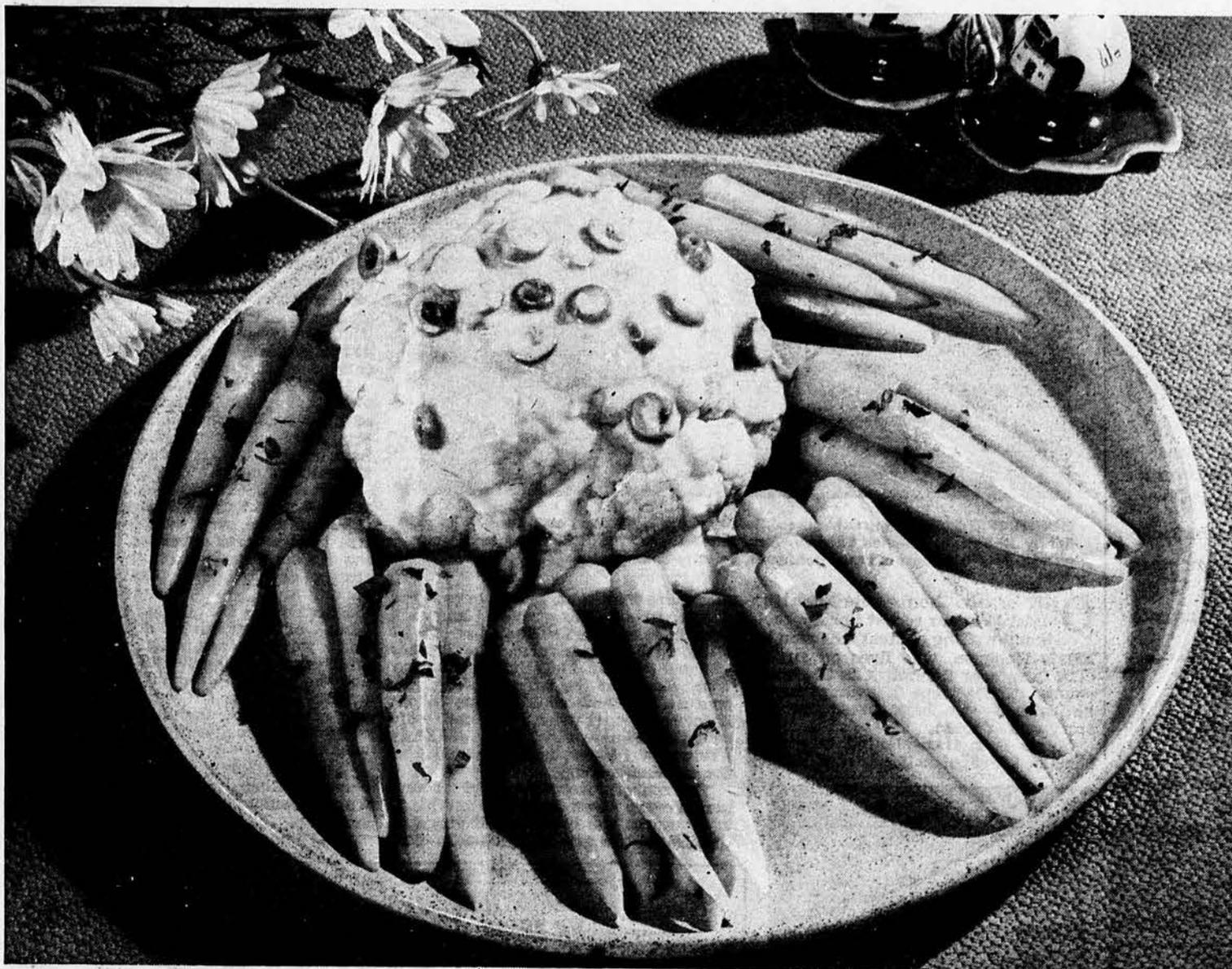
4885—Sew 2 dresses for your little girl. Sizes 2 to 10. Size 6 takes 2¼ yards of 35-inch material.

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Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



A LITTLE MINT ON BUTTERED CARROTS and an olive-cheese sauce over cauliflower are simple tricks that give a lift to ordinary vegetables.

Give a Lift to Vegetables

OFTEN it's a simple trick that gives a lift to the most ordinary vegetables. A little mint on buttered carrots, a new way to cook and season cabbage that's no trouble at all. Or sliced olives in the cheese sauce that goes over the cauliflower. Or a large-size gardener's salad in a mold served from a large plate at the table. Those are the things that give a lift.

Cauliflower

With Olive Cheese Sauce

4 tablespoons butter	1 cup shredded American cheese
4 tablespoons flour	1/2 cup sliced stuffed olives
2 cups milk	1 head cauliflower
1 teaspoon salt	
dash pepper	

Melt butter in saucepan over low heat and blend in the flour. Add milk slowly and cook until sauce boils and thickens, stirring constantly. Add seasonings and cheese and stir until cheese is melted. Fold in sliced olives. Cook whole cauliflower in boiling, salted water until tender. Drain and pour cheese sauce over top.

Mother's Kitchen

Her kitchen was roomy with a big black stove

For cooking meals which children need,
Chicken and dumplings, fragrant loaves of bread,

Practice made her work with speed.

In canning season this big friendly room
Was filled with a spicy pickle scent,
And to this day catsup being made
Binds me with nostalgic sentiment.

—By Mary Holman Grimes.

Cucumbers

In Sour Cream Dressing

1 large cucumber	1 tablespoon minced onion
1/2 cup thick sour cream	1/4 teaspoon salt
1/4 teaspoon sugar	1/8 teaspoon paprika
2 tablespoons vinegar	

Peel and slice cucumber thin. Sprinkle with salt. Combine cream with vinegar, onion and sugar. Add to cucumbers and serve on lettuce. Garnish with a dash of paprika.

Sweet-Sour Beets

1 tablespoon cornstarch or flour	1/2 tablespoon salt
2 to 4 tablespoons sugar	1/4 cup vinegar
	1/4 cup water
	2 tablespoons fat
	3 cups cooked beets, sliced

Mix cornstarch or flour, sugar and salt. Add vinegar and water and boil 5 minutes, stirring constantly. Add the fat and beets and let stand until the sauce becomes red. Reheat if necessary.

[Continued on Page 23]

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We Announce . . .

Fifth Library Award

By FLORENCE MCKINNEY



EIGHTH GRADERS at Stippville school, left to right, back row, are: Buddy Phelps, Bobby Robinson, Charles Laizure, Mrs. Ethel Jones, teacher. Front row: Joan Patton, Marjo Hodgson, Betty Robinson, Collette Thompson.

ONE of the honorable mention awards in our recent library book story-writing contest was won by Marjo Hodgson, who lives on an 80-acre farm near Columbus, in Cherokee county. There were 7 winners in all and already we have presented the story of 4 of them.

Marjo is a transplanted city girl, born in Chicago, and attended school



MARJO HODGSON, of Columbus, who is a winner of the honorable mention award in our school library book contest.

there for 4 years. On the Hodgson farm they grow corn, oats, soybeans and wheat. There is a herd of dairy cows and one of these, a purebred Guernsey, belongs to Marjo. She is using her prize money of \$5 to help build her own dairy herd.

She attends Stippville school, which she says is a rural 2-teacher school with an enrollment of 60. She graduated last spring from a class of 7 eighth-graders. The school is favored with a good school lunch program and an electric kitchen. She adds, "We have a sound film projector and fine maps and reference books, but we do need more library books."

She is a member and now is secretary of the Central 4-H Club.

A \$25 supply of books of their own choice has been received by her school to be added to their library. Here is Marjo's prize-winning story:

Why I Like to Live on a Farm

Last evening as I was going home from school I saw a flash of scarlet wings in a brown hedge row. A few minutes later the most beautiful, heart thrilling music that I have ever heard made me pause and listen. It was the spring song of a cardinal. But it was

also more than that. It was in part the answer to something which I had been thinking about as I walked along; why I like to live on a farm. The teacher had made it sound so alluring that day when she read the rules of the essay contest. But how could I hope to put it down on paper when I was not really sure that I knew why? Then, suddenly I felt that I knew, and all because of the cardinal's song.

The reasons were there all around me, in every awakening leaf and blade of grass, in the croaking of frogs in the creek, the greening wheat fields,

the earthy smell of a plowed field, and to top it all, the joyous song I had just heard. It was as tho they were all trying to tell me that to live on a farm is to have a ringside seat to "the greatest show on earth," nature's own great art exhibit, our teacher calls it.

Almost instantly definite thoughts began to take shape in my mind about farm life, the opportunity it gives to watch things grow, the thrill of planting an apparently lifeless seed, caring for it, watching it grow and bear fruit, the indescribable feeling of knowing that I am a part in bringing about its amazing cycle. Then the thought that I do not need to depend wholly upon books and museums for study of plants, animals or wild life. Nature gives them to me firsthand and unspoiled.

Farm life gives me too, the opportunity to own something of my own in the way of livestock, teaching me thrift and responsibility which I must not shirk. It gives opportunity to study our domestic animals and to gain their confidence. I have spent many pleasant moments merely watching baby chicks in our brooder house, and I think I shall always like to remember that I have seen lambs romping and young calves chasing each other in pasture.

Membership in the 4-H Club has enabled me to make many fine friends and meet many interesting people. It brings me enjoyment and educational benefits which I know will help me thruout my life.

Farm life enables me to build a sound body in the health-giving sunshine and fresh air, by wholesome exercise in the great outdoors. It affords me the opportunity to build character thru participation in plenty of good clean fun.

Farm living has given my family a feeling of independence and happiness and a worthy place in the community, which makes me grateful that ours is not the position of many city people, who often live for years under the same roof with their neighbors and have scarcely a speaking acquaintance with them.

We, as children, have little part in choosing where we live, but I shall always consider that I am fortunate and very happy to be living on a farm.

—By Marjo Hodgson, Columbus.

Send for This FREE PICTORIAL PREVUE of Cool Colorado in Natural Color.

Beat the heat! Write for this 12 page full-color brochure showing unforgettable scenes from America's most colorful Vacationland. Snow-capped mountains; crystal lakes; soft, refreshing breezes whispering through the evergreens! You will be cooler just feasting your eyes on the beauty spots of the romantic old West. And remember...

You can be here enjoying your vacation instead of enroute...when you Fly Continental. Luxurious, pressurized 300 m.p.h. Convair-liners will whisk you and your family to your favorite beauty spot before you can say "Pike's Peak." Stretch your vacation days and dollars. Send for the free brochure (plus a current time table), and plan a long, delightful Continental Vacation.

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Not harmful to Lawn grasses. Highly effective, no soil toxicity. See your dealer today!

Miller Chemical Co. INCORPORATED
525 No. 15th St., Omaha, Nebr.
CHEMICALS FOR THE FARM

Lift to Vegetables

(Continued from Page 21)

Minted Carrots

- 12 small carrots
- 3 tablespoons butter
- salt to taste
- mint leaves

Cook carrots whole in a covered pan in a small amount of boiling, salted water until tender. Melt butter, add 2 or 3 tablespoons chopped mint leaves and pour over carrots. Serves about 6.

Skillet Cabbage

- 2 or 3 cups shredded cabbage
- 1/4 cup minced onion
- 1 large stalk celery, sliced thin
- salt and pepper to taste
- 3 or 4 tablespoons bacon drippings

To the bacon drippings in a skillet, add all ingredients, cover with tight lid and cook over moderate heat for about 6 minutes. Stir once or twice while cooking. No water is added. Serve hot at once. A green pepper, sliced, and fresh tomato slices may be added, if desired.

Canning or Freezing

If you haven't had the help of the little booklet, "Answers by the Canning Doctor," we can send you a copy. There are 56 pages of reliable information on canning, preserving, jellies, jams, pickles, also on freezing foods. Write to Home Editor, Kansas Farmer, Topeka, for this free booklet.

Watermelon Pickles and Preserves

Pickles and preserves from watermelon rind have a flavor and texture which make them particularly suitable for serving with either hot or cold meats. To make the pickles:

- 4 pounds watermelon rind
- 2 tablespoons whole cloves
- 2 quarts lime water
- 10 two-inch pieces stick cinnamon
- 2 tablespoons whole allspice
- 1 quart vinegar
- 4 pounds sugar (beet or cane)

Select thick rind from a firm watermelon. Trim off the green skin and pink flesh. Weigh and cut into 1-inch cubes. Make lime water by mixing 1 tablespoon of lime from the drugstore with 2 quarts of cold water. Soak the cubes in the lime water for an hour. Drain and cover with fresh water and cook for 1 1/2 hours or until tender. Add more water as needed, then drain.

Put spices loosely in a clean, white, thin cloth and tie top. Combine the spice bag, vinegar, 1 quart of water and the sugar and bring to a boil. Add watermelon rind and boil gently for 2 hours. Remove spice bag. Pack rind in clean, hot jars which have been boiled 15 to 20 minutes. Fill jars to top with hot sirup and seal. Makes 6 pints.

Watermelon preserves are less tart and spicy than the pickles, since no vinegar is used. If a still more bland flavor is desired, the spices in the following recipe may be left out entirely.

- 4 pounds watermelon rind
- 4 quarts water
- 2 lemons, thinly sliced
- 2 quarts lime water
- 4 pounds sugar (beet or cane)
- 4 small pieces ginger-root, if desired

Select thick watermelon rind and trim off the outer green skin and the pink flesh, using only the greenish-white part. Cut into 1/2- or 1-inch cubes. Make the lime water, by adding 1 tablespoon of lime from the drugstore to 2 quarts of water. Let the melon stand in the lime water for 1 hour to make it crisp. Drain and place in clear water for 1 hour. Drain and boil for 1 1/2 hours in fresh water. Drain again.

Boil the lemon for 5 minutes in 1/2 cup of the water. Boil the rest of the water with the sugar for 5 minutes to make a sirup. Add the watermelon and gingerroot to the sirup and boil for 1 hour. When the sirup thickens, add lemon and the water in which it was cooked. Continue to boil, stirring constantly, until sirup is somewhat thick and the melon is clear. Pack at once into hot sterilized jars and seal.

To Brighten Room

A mirror placed in dark corner of living room or hall will brighten room and add a constantly changing picture. —Mrs. L. H. M.



MULTIPLIES FARM MANPOWER

Shown here: Char-Lynn double-acting Cylinder, Hydra-Lock Coupler and Hi-Lo-Pac two-way Pump.

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USE THIS COMPLETE HYDRA-POWER SYSTEM

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Char-Lynn brings MASS PRODUCTION METHODS to the farm. Included in the Char-Lynn system in addition to the Hi-Lo-Pac Pump are the Char-Lynn double-acting Cylinder, Conversion Valve and Hydra-Seal and Hydra-Lock Couplers. Use these products to save time, work, money—produce more on your farm at lower cost.

Write for literature on how to completely modernize your tractor. Please state make, model and year.

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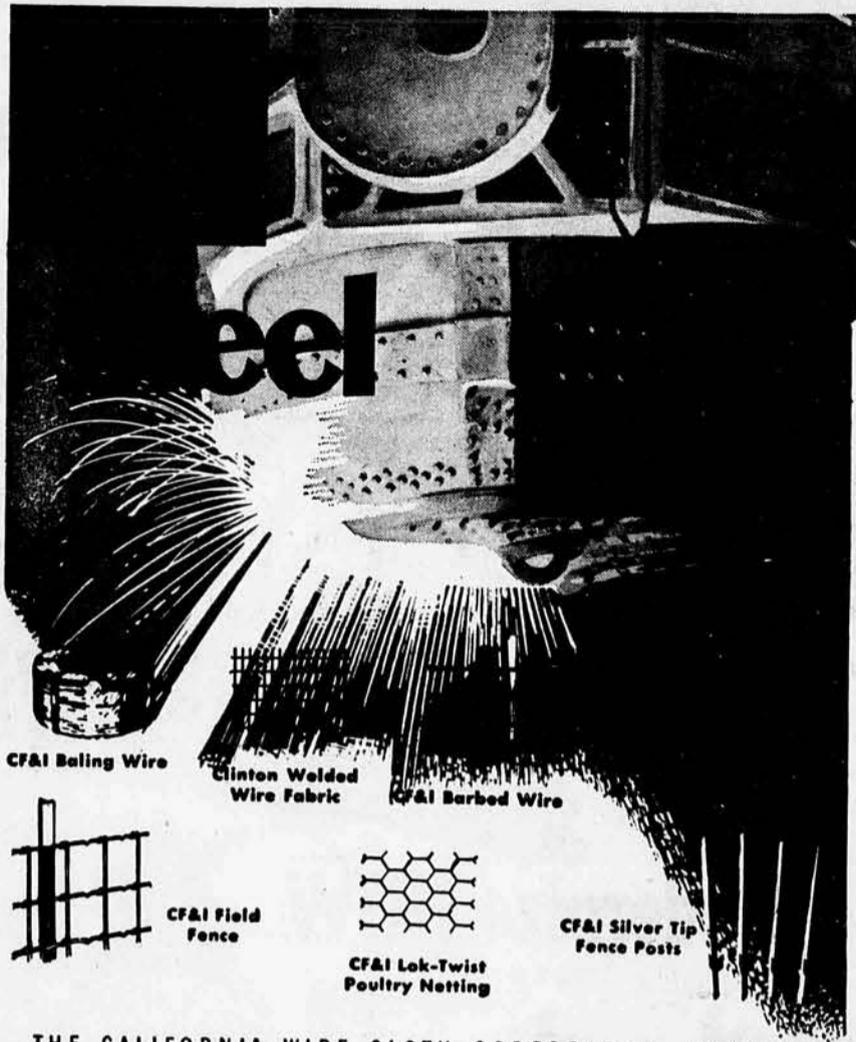
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STEEL for FARM and RANCH



Layers Relish Food If They Are Hungry

LAYING pullets need to get hungry, says B. W. White, Franklin county poultryman. "Chickens are just like people," Mr. White explains. "We relish our food more when we are hungry and so do chickens."

In fall, when pullets are allowed out on pasture every day, Mr. White follows this feeding program: Pullets are given a 20 per cent granulated laying mash, fed dry, in the morning. At noon they get the same thing in pellet form. Feed is limited so that everything is cleaned up by 2 o'clock in the afternoon. Pullets then are held in the laying house one hour without any feed before being turned out on green range. Scratch grain in the form of oats and shelled corn is scattered on range when weather is good and in the litter when weather is bad. Grain is fed at the rate of 10 pounds daily to each 100 hens during fall. Corn is increased during cold weather to furnish more body heat.

Even during the coldest winter months, however, Mr. White lets his layers go hungry for an hour or 2 each day.

How does this affect production? Well, when we visited Mr. White's farm

early in November here is what we found. His flock of 400 New Hampshire pullets, hatched March 12, was producing at the rate of 73 per cent before November 15.

Every bird on the place is sold off each year and a fresh start made with pullets. "Keeping hens over a second year doesn't pay from any angle you figure it," says Mr. White. Of course, he buys only the highest-quality chicks and orders them 6 months in advance to insure getting early chicks.

All chicks are started on good commercial feed and are put out on clean range during summer. Oats, rye, barley, alfalfa and lespedeza are used as pasture. Mr. White avoids crowding. When chicks come out of the brooder they are divided into 3 groups and housed separately to avoid crowding. Pullets are brought into the laying house around the middle of September.

An old barn has been remodeled to serve as a laying house on the White farm. Droppings pits are used and Mr. White is strong for the colony-type nests. These nests, plus collecting eggs 4 times daily, insure clean eggs and very little breakage.

Farm Loss From Floods—76 Million!

A TOTAL of \$76,338,477! That's the state farm loss in dollars from the recent disastrous floods. The estimate was released by the Kansas Agricultural Mobilization Committee. Loss from rains, hail and windstorms during the period was set at \$192,405,779.

In the flood, a total of 2,268,415 acres of cropland and 618,940 acres of non-cropland were damaged on 20,248 of the 137,521 farms in Kansas. Soil cutting, excessive silt or sand deposits and debris damaged 565,819 acres. Farm homes lost totaled 244 and another 3,724 were badly damaged. Total value was set at \$5,841,050.

Total value of livestock in the state lost in flooded areas amounted to \$929,793. Cattle lost totaled 1,499 head, estimated to be worth \$311,250. There were 7,962 hogs lost valued at \$228,613; 1,033 sheep valued at \$28,750, and 256,000 chickens and other kinds of poultry lost valued at \$261,180.

Total crop losses were estimated at \$54,454,086. Out of 1,007,426 acres of wheat planted in flooded areas, 74,716 acres were lost before June 1 and 515,810 acres were destroyed after June 1. It was estimated about 308,556 acres damaged probably would be harvested.

Other crop damages: oats, 157,275 acres planted, 13,578 acres lost before June 1, 77,586 acres lost after June 1, value \$2,167,319, probable harvest of damaged acres, 30,310; corn, 537,046 acres planted, 8,566 acres destroyed before June 1, 328,622 acres destroyed after June 1, value, \$16,343,166, probable harvest of damaged acres, 154,038; soybeans, 84,107 acres planted, 140 acres lost before June 1, 59,104 acres lost after June 1, value, \$2,681,641, probable harvest of damaged acres, 17,325. Of 165,322 acres planted to sorghum, 3,282 acres were lost before June 1, 84,237 acres were lost after June 1, for a value of \$3,789,810, with probable harvest of damaged acres set at \$6,559.

A total of 455 barns were destroyed, 3,564 were badly damaged, for a value of \$2,308,200. There were 964 grain-storage buildings and bins destroyed, 2,888 badly damaged, and value was \$1,207,700. Eighty-four tractors were destroyed and 1,564 badly damaged, and value was \$627,600. There were 176 cars destroyed and 1,609 badly damaged, valued at \$786,000. In addition, 178 combines, corn pickers and hay balers were destroyed and 2,409 badly

damaged valued at \$1,002,970. Feed grinders, milking machines, large motors and milk coolers lost totaled 429, and another 2,260 were badly damaged, valued at \$170,744. There were 827 refrigerators, stoves and deep freezers

Brush-Weed Spraying

Many subscribers have inquired about sprays and equipment to kill brush. We have just received an ample supply of leaflets on this subject which will answer such an inquiry. One leaflet is "Recommendations for Agricultural Use of Weedone," and the other leaflet, "Use Weedone Brush Killer 32." Directions are given for spraying weeds, brush, also various crops. Send to Farm Service Editor, Kansas Farmer, Topeka, for free copies of these leaflets.

destroyed and 3,645 badly damaged, and value was set at \$652,765.

There were 10,014 miles of fences lost, 11,995 badly damaged, and value was \$3,494,965. There were 251 miles of terraces lost to flood damages valued at \$14,968 for repairs. Seventy-two stock water ponds were damaged which will take \$19,325 to fix; 279 diversion terraces to cost \$21,315 to repair; 634 acres of terrace outlets to take \$44,695 to repair, and 120 erosion control dams to take \$8,625 to repair.

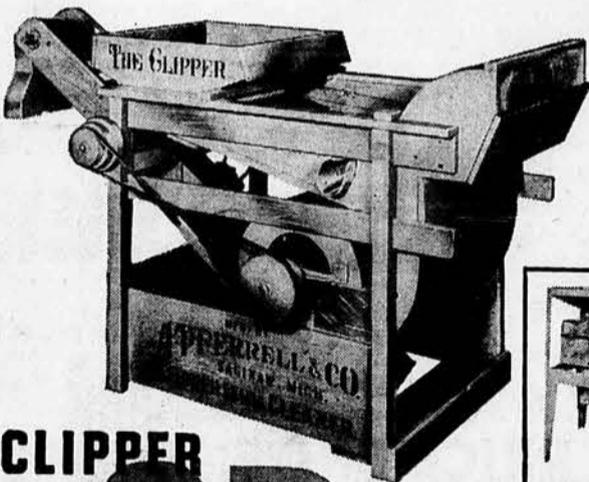
Orvin Jones Wins Skelly Award

Orvin Jones, Rush Center, is winner of the national Skelly Agricultural Achievement Award for the week ending August 11. On that date members of the Jones family were honor guests at a community breakfast in Rush Center.

Orvin Jones is in partnership with his father, H. W. Jones, and they operated 2,000 acres. They own 480 acres and rent 1,250. H. W. Jones has been farming in Rush Center since 1910, and he and Mrs. Jones celebrated their golden wedding anniversary last year. Orvin Jones says sound judgment and hard work of his 73-year-old father aids in their farming success.

CLEAN YOUR OWN SEED

It Pays



The Rocker Seed Treater replaces old fashioned and ineffective treating methods. Completely automatic, it requires no power, and disinfects up to one hundred bushels per hour.

CLIPPER 2-B SPECIAL

The 2-B Special requires less money to buy . . . to operate . . . and to maintain. With it you clean your seed on your own farm, eliminating hauling costs, delays, and outside service charges. You can profitably utilize the screenings for feed, after proper grinding to destroy germination.

The Clipper 2B Special has ample capacity and it operates on 1/3 h.p., or by hand crank. Weighing only 200 pounds it is easy to move and yet is extremely rugged and steady in operation.

Write for "HELPFUL HINTS" describing this and the larger farm model, and seed treater.

Vertical bucket elevator for permanent installation, made to order.



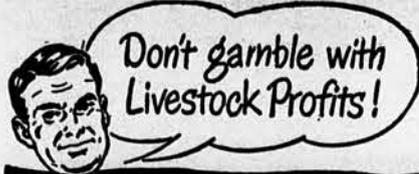
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A. T. FERRELL & CO., DEPT. F-38, SAGINAW, MICHIGAN

You Are Invited

Want to see how fertilizer is made? You can if you attend the big open house being planned for the Kaw River Valley Fertilizer Plant, 6th and Locust, North Lawrence, Thursday, August 23. The open house will be from 1 o'clock to 5 o'clock in the afternoon. There will be entertainment and refreshments in addition to a tour of the plant.

Officials of Thurston Chemical Co., owner of the Lawrence plant, promise a real treat for all who visit it during open house. The plant has just been reopened following a month's shutdown because of floodwaters.



REX the NEW MULTI-MINERAL SUPPLEMENT with SALT

Makes Sure Your Livestock Investment PAYS OFF... BETTER!

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.

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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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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

WORMS cut your egg profits



Worm Now with **Lee's GIZZARD CAPSULES**

Positive results...will not knock egg production! Individual treatment gives each bird a measured dose. Insoluble capsule protects drugs, releasing them in the gizzard full strength against the worms.

Pullet size: 10-caps 15c 50-caps 60c; 100-caps \$1.10 Adult size also available!

Now at your Lee Dealer's — Drug, Hatchery, Feed, Seed Stores **Lee's POULTRY MEDICINES** GEO. H. LEE CO. Omaha 8, Nebr.

Marketing Viewpoint

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

I bought 50 head of 502-lb. good-quality whiteface steers last March at \$41. Should I sell off grass, feed off grass or carry them another year?—R. A. T.

If you have the feed and can afford to take the risk it probably would pay to take these cattle off grass as it begins to dry up and full feed in a dry lot for 100 to 120 days. Prices of good-quality grain-fed cattle probably will hold near the maximum permitted by OPS during the fall and winter. You probably can add weight and finish at low enough cost to show a profit on the feeding operation.

If you cannot afford the risk or do not have the feed you probably should sell off grass in the immediate future. A heavy run of grass cattle is expected this fall and prices of these kinds may decline rather sharply toward the end of the grazing season.

Carrying these cattle another winter and summer would seem least desirable of the 3 alternatives. Selling these cattle and buying lighter replacements in October would seem preferable.

Would you please be so kind as to tell me what prices can be expected in the next 30 to 60 days on wheat?—J. F.

It is my feeling that wheat prices will remain fairly steady during the rest of August and well into September. One of the depressing forces at present is the prospect of harvesting a near-record crop of spring wheat. The crop in Canada is also reported to be developing satisfactorily. This downward pressure on wheat prices will likely be offset by the heavy losses in Kansas and the Southwest to both dry and wet weather and by the price-support program.

The spring wheat crop is in a critical stage of development and if unfavorable crop conditions in that area should prevail, then I feel we can expect some strengthening (say about 15 cents per bushel) by the end of September for wheat of milling quality.

Will farm prices of milk and butterfat be placed under price ceilings this fall?—H. K.

If present trends continue it seems unlikely that farm prices of milk and butterfat will reach ceiling levels this fall.

Milk and butterfat prices did not reach 100 per cent of parity on July 15 and with the seasonal adjustment factor for parity now offsetting expected seasonal price increases, it is unlikely that dairy prices will be at parity for the balance of the year.

On July 15, the actual market price for milk was \$4.30 a cwt. and for butterfat 68.8c a lb. Adjusted for seasonal variation, the prices were \$4.62 and 73.7c. The effective parity for milk on July 15 was \$4.79 a cwt., for butterfat 76.7c a lb., and for manufacturing milk \$4.24 a cwt. Support prices for all milk were \$4.31 a cwt., for manufacturing milk, \$3.82, and for butterfat, the price was 69c a pound.

As a consumer, how can I tell which size eggs are the best buy at various prices?—I. S.

For eggs of similar quality, the only way the homemaker can find out which size of eggs is the "best buy" is to compare the price a pound of the various sizes. A gadget known as the Cornell Egg Buying Guide has been devised by a marketing economist at Cornell University. It automatically converts the price a dozen to the price a pound for various sizes of eggs. Among the advantages claimed for the device are the following: (1) It assists the housewife in using the most economical size egg in her cooking and baking; (2) It helps merchants in determining the most profitable price variation between different sizes of eggs; (3) It enables the bargain-conscious housewife to compare eggs with red meats, price-wise, on a per-pound basis.

The Egg Guide may be obtained from the Mailing Room, Roberts Hall, Cornell University, Ithaca, New York, at a cost of 10 cents. Be sure to give your complete name and address when requesting a copy.

WHY PUMP AND CARRY?

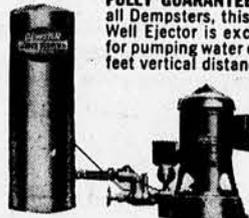
LOSING MONEY—

The hours you spend carrying water should be spent doing other farm work. The pump-and-carry method is a hard, back-breaking, time-wasting chore that never gives you enough water for your stock. If you do not have running water, then you're losing money that could be yours, because a Dempster Water System pays for itself with more eggs, heavier hogs and cattle.

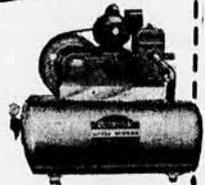


MAKING MONEY— With a Dempster Water System you'll always have plenty of fresh, clean, weight-producing water in the feedlot tank... the barn... the brooder house. You can have all the water you need—wherever you want it—simply by turning a faucet! Ask your Dempster dealer for a free estimate on installation, and for facts on how a Dempster Water System actually pays for itself!

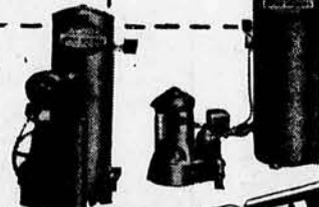
FULLY GUARANTEED, like all Dempsters, this Deep-Well Ejector is excellent for pumping water over 25 feet vertical distance.



YOU SAVE POWER with the Dempster Reciprocating Shallow-Well Pump, designed to deliver large quantities of water at low cost from nearby wells or cisterns.



ESPECIALLY EFFICIENT is the positive-lubricated Dempster Reciprocating Deep-Well Pump. It's the extra-thrifty member of the Dempster line.



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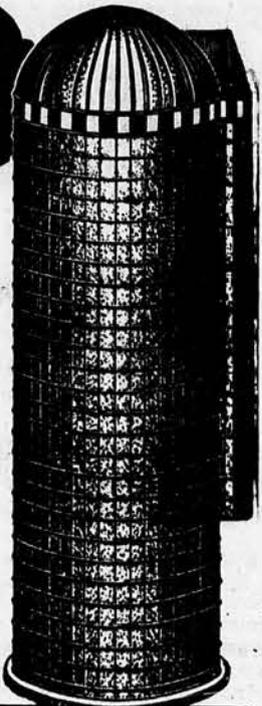
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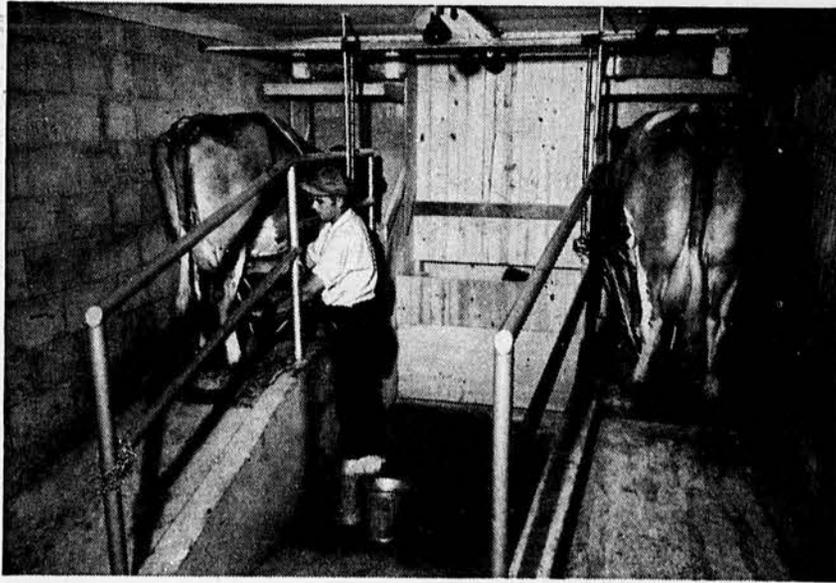


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Milking Parlor . . . Cattle Shed . . . Silos . . .

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DODSONS, 1463 Barwire, Wichita, Kansas



Stand-up milking parlor. Doors with feed boxes attached are pulled aside after milking to permit cows to move forward down ramps. Tube near ceiling carries milk direct to cans in milk room.

No walking, squatting, stooping with time-saving concrete milking platforms

"It's much easier than carrying feed and machines to cows," reports one farmer. Another says, "You've got a cow half milked in the time it would take to squeeze in between two cows in a stanchion barn and hook on a machine. And you can see what you're doing. Easier for you . . . easier on the cow."

Less time, less effort, cleaner milk, about sums up the experience of the many farmers who use this modern method—and the cost of concrete platforms made with Lehigh Cement is saved many times over in labor and convenience.

Your Lehigh Dealer will be glad to advise you regarding this and other concrete construction. See him next time you're in town.

 3 men and a boy can build the concrete ramps, platform and pit for a two-stall milking parlor like this in two days* with

- 29 bags Lehigh Cement
- 3 1/2 cu. yds. sand
- 4 cu. yds. gravel

*If your Lehigh dealer can supply you with ready mixed concrete, you can do the work with less labor.



LEHIGH PORTLAND CEMENT COMPANY • ALLENTOWN, PA. • CHICAGO, ILL. • SPOKANE, WASH.

WARNING

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

Use **HESSE HAY and GRAIN DRYER**

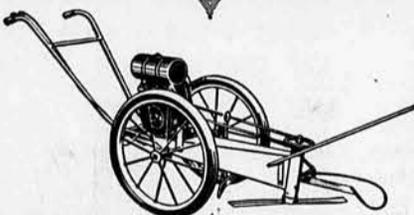
Harvest your crop without danger of moisture spoilage or heat.

See your nearest Hesse dealer or write the **HESSE COMPANY**

1213 Dace Street, Sioux City, Iowa

TAKES THE WORK OUT OF WEEDS

ESSENTIAL EQUIPMENT FOR HEATER FARMS



ROOF the Original Fence Row WEED CUTTER

MOWS EVERYTHING from tough blue grass to light brush, sweeping neat and clean—close to the ground—in half the time! Mows lawns, too!

CUTS CLOSER within 1/4" of fence rows, trees, buildings. Special guard bar protects blade.

SAVES TIME, EFFORT! No more heavy scything, or other half-way measures. Fence-Row mows cleaner with effortless operation.

OPTIONAL FORWARD DRIVE with new, trouble-free Self-Propeller. See your dealer, or write for special folder on keeping your farm **LOOKING LIKE A MILLION.**

ROOF WELDING WORKS PONTIAC 6, ILLINOIS

Noble **SPRING TOOTH EVENER**

All-Steel Absolute Guarantee

... against any kind of breakage

Noble Manufacturing Co., Sac City, Ia.

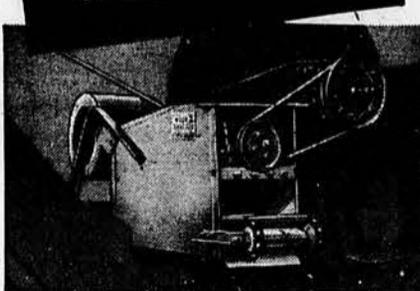
PEERLESS Portable Power Take-Off **ROLLER MILLS**

Crimp, crack, crumble all grains **WITHOUT DUSTING.**

Low cost, portable and stationary models. Farm, feeder and mill sizes. Write for free literature.

PEERLESS MACHINERY CO.
Box 1084-B5 Joplin, Mo.

Clean Corn



QUICKLY PAYS FOR ITSELF

The Cook Shucker gets all husks, gets all silks. Ideal for corn borer infested fields. Will clean all corn, including nubbins, at any stage of maturity. All shell corn is saved and returned to the wagon elevator. Save precious storage space and have your corn in perfect condition for sealing. Comes complete with nothing extra to buy. The Cook Shucker is the picking bed designed to fit Case Model P, New Idea #8 and General implement single row corn pickers, also, Case Model 1-2 row picker. For further information and literature write today to:

COLUMBUS STEEL FABRICATING CORP.

Dept. KF-4

Columbus, Nebraska

Save Corn With Cob Meal

By RALPH RILEY



UPPER RIGHT: A couple of handfuls of corncob meal is pretty substantial; weighs more than corn flakes. CENTER: Bob Garst and the author discuss merits of corncobs as steady diet for cattle. LOWER LEFT: The biggest pile of corncobs in the world at Coon Rapids, Ia., looks like a small mountain. LOWER RIGHT: A group of contented steers that are getting a daily diet of corncob meal on the Garst farm.

A CORNCOB diet offered alone probably would not appeal to a hungry steer even on the verge of starvation. But, mixed with molasses and a few other fancy tidbits, officially known among feed experts as feed proteins, this same corncob diet becomes mighty toothsome to the same steer. And the remarkable thing about this saga is that the steer gets into prime condition without corn—that is the grain—just the protein supplements and the corncob meal served about 50-50.

These remarks have been inspired by a visit to the livestock farm of Roswell V. Garst, Coon Rapids, Ia., prime exponent of feeding corncob meal. Since he has fattened and marketed about 5,000 steers successfully on that sort of a diet, he ought to know what he is talking about. Here is another remarkable point to be cleared up.

By all the rules you would expect Bob Garst—never known as Roswell Garst—to soft-pedal any information about fattening cattle on any diet that does not include corn. For Bob is one of the big hybrid seed growers in the Middle West. In fact, he expects to raise and sell 400,000 bushels of seed this year in Kansas, Missouri, Nebraska and surrounding states for the 1952 planting.

Sounds Inconsistent

It was pointed out the other day that his position seemed somewhat inconsistent in raising seed corn and yet not advocating its use in finishing cattle for market. But Bob sets his visitors on the right track in less than 30 seconds.

"There is not going to be nearly enough corn raised in 1951 to take care of our livestock population," he says. "We will need every bit that can be spared for fattening our hogs this winter and next spring and we will be that much better off over the corn belt if we can put beefsteak on the table without corn. That's where corncob meal has a distinct place in the program."

Incidentally Bob Garst is backing up his arguments in favor of corncob meal by citing results on the same sort of a feeding project at the Ohio Experiment Station at Wooster and also at Purdue. And with the thought that a lot of Kansas livestock men might be interested in the formula used at Purdue, we are reproducing the data below:

The Purdue test started with calves weighing 480 pounds on December 8, 1950, and was continued until April 20, 1951. The calves were fed an average daily ration of 13.3 pounds of finely ground corncobs and 3.5 pounds of Purdue Cattle Supplement A, and free choice of minerals and nothing else, and showed an average daily gain of

1.6 pounds a head, with a feed cost per hundred pounds of gain of \$14.90.

THE PURDUE CATTLE SUPPLEMENT A

	1,000 Lbs. Mix	Daily Per Steer
Soybean oil meal643.1 lbs.	2.25 lbs.
Molasses Feed (45% molasses)*285.8 lbs.	1.00 lbs.
Bone Meal	51.4 lbs.	.18 lbs.
Salt	17.2 lbs.	.06 lbs.
Vitamin A Concentrate†	2.5 lbs.	.01 lbs.
	1000.0	3.50

*—"Arcady Sweet Mixing Feed."
†—"NOPCP XX" 300 A-400 D per gram fortified cod liver oil.

Bob Garst believes that many reliable feed mixers should be offering high protein supplemental feeds which include both molasses and urea. He quotes W. M. Beeson, professor of animal husbandry at Purdue, as saying: "You can replace from one third to one half of the protein of soybean meal with urea with perfectly satisfactory results. Instead of using molasses feed, you can use liquid molasses, provided it is available and methods of handling it can be worked out which would be practical to farmers."

Corn cobs themselves are low in protein and low in minerals. They have got to be fed with ample protein and ample mineral if they are to be effective. It is true that corn cobs from time immemorial have been a waste product of corn growers in general all over the country. They furnish fuel, fill up drainage ditches and a few farmers have plowed them under with the thought that they might provide humus. But until recently no one had given much thought to corn cobs as a food item for cattle.

Quoting Bob Garst further: "Because the United States in 1951 is producing both a near record cotton crop, and a near record soybean crop, it is quite probable that the price of protein supplements will be lower the coming winter than they were the past winter. From long experience with thousands of cattle, we have developed some knowledge which we believe will be helpful to people who are planning on feeding corn cobs—finely ground corn cobs with sufficient protein supplement—for the first time. But there are important points to be remembered:

"FIRST—The cobs can be most easily ground if they are dry cobs. Whenever corn is shelled that contains less than 15% moisture, the cobs will be dry enough to store with complete satisfaction after they have been ground. So the best time to accumulate your cobs is while the 1950 crop is being shelled in the summer of 1951—get the cobs from last year's corn that is being shelled this summer—get them before

(Continued on Page 28)

Grain Drying Problems Will Hit Most Farmers

(Continued from Page 6)

Drying With Unheated Air

Normal atmosphere air may be circulated thru the grain by natural air currents in a well-ventilated bin. Generally, however, this is too slow for damp grain and the forced circulation of air by means of a fan is much quicker and more satisfactory. Use of an electric or engine-operated fan is very economical.

Some advantages of drying grain with unheated air are:

1. Initial cost of equipment and operation cost are quite low.
2. The fire hazard is eliminated.
3. The equipment is easy to start and stop operating.

Some disadvantages of using unheated air are:

1. Process likely to be slow.
2. Weather may not always be conducive to good drying.
3. Lack of sufficient drying bins to handle a large crop.

Drying With Heated Air

Many commercial heating and blowing units are available for farm use. Some are portable so they can be moved around to any building desired. These heating units are available for natural gas, propane and butane gas, fuel oil and coal. Various amounts of heat may be applied to the drying air. Generally it is best not to heat the air over 10 to 20 degrees above atmosphere temperature.

Rate of Air Movement

When air is blown thru wheat for drying, the following factors will limit its movement:

1. Resistance to air movement, since wheat makes up about 60 per cent of the space within a given volume.
2. Type of fan, size, and power available for operation.
3. Ducts or inlets for admitting air into the grain.

Generally for good drying conditions

there should be an air movement of 4 to 6 cubic feet per minute for each bushel of grain. This rate is possible only with large air ducts, a large fan, sufficient power, and shallow depth of grain. Smaller fan units can be used, but a longer time will be required.

Air Duct Requirements

For satisfactory results a uniform rate of air flow thru all grain must be attained. At least 1½ square feet of air

More detailed information on grain drying and equipment is contained in a new Kansas State College bulletin written by Prof. F. C. Fenton, head, department of agricultural engineering; Harold E. Stover, extension specialist in agricultural engineering, and Norman V. Whitehair, extension specialist in grain marketing.

A copy of this new bulletin will be sent to you free upon request. Write Service Editor, Kansas Farmer, Topeka, and ask for "Grain Drying" bulletin.

opening should be provided at the air inlet to the bin for each 1,000 bushels of grain stored. The exhaust or outlet opening from the bin should be double that of the inlet to eliminate back pressure. Perforated floors, pipes, and wooden ducts placed on the bin floors make good air circulation methods. The main ducts can be built on the outside of the bin as well as in the center or along one side.

The practical limit on grain depths for forced air drying is about 8 to 10

feet. If greater depths are used, more power is required.

Types of Fans Recommended

Centrifugal and propeller type fans are very good for forced-air grain drying. The centrifugal type is low in noise, fairly efficient, and medium in price. The propeller type is high in efficiency, low in price, but does make a great amount of noise. It also is light in weight, compact and easy to install.

Power Requirements

Electric power is most satisfactory if it is available. The motor size will vary from 2 to 7½ horsepower, depending upon type of fan, rate of air flow, and resistance pressures.

Operation of Fan

The fan should be started as soon as grain can be spread to a uniform depth over the bin floor. Its operation should be continued until top layer of grain has reached a safe moisture content. It is very easy to determine the amount of moisture by taking a grain sample to the local elevator.

Time for Grain Drying

Time required will vary from 2 days to several weeks. Weather conditions, amount of moisture, and humidity or dampness in air, are factors that vary the amount of time.

Generally it is best to attempt to dry grain only when the relative humidity is below 50 per cent. Air at 95 degrees Fahrenheit temperature and 30 per cent humidity, as is normal on a summer afternoon in Kansas, has about 6 times the drying ability as air at 80 degrees temperature and 50 per cent humidity.

Cost of Drying Grain

Cost of drying grain depends upon initial cost of equipment, number of hours of equipment operation, and type of power being used. The range of cost may vary from 1 to 5 cents per bushel. A 5-horsepower electric motor will operate for a cost of from 10 to 15 cents per hour on most rural electric rates available in Kansas.

Coming Events

- August 20-22—McPherson county 4-H Club fair.
- August 20—4-H county council meeting, Cottonwood Falls.
- August 20-25—Shawnee county, state soil conservation camp, Rock Springs.
- August 21-22—Jefferson county 4-H fair.
- August 21-24—Jackson county fair and 4-H fair, Holton.
- August 21-24—Harper county agricultural fair, Harper.
- August 22-24—Butler county 4-H fair.
- August 22-24—Ford county 4-H fair.
- August 22-24—Comanche county 4-H fair, Protection.
- August 22-24—Barton county 4-H fair, Great Bend.
- August 22-25—Chase county fair, Swope Park, Cottonwood Falls.
- August 23-24—Rawlins county 4-H and FFA fair, Atwood.
- August 23-24—Edwards county 4-H fair.
- August 23-25—Old Settlers' Reunion, Oskaloosa.
- August 24—Barton county 4-H fat livestock auction.
- August 24—Shawnee county dairy day, with George Gerber, milk marketing specialist.
- August 24—Reno county, Farm Bureau picnic, State Fair Grounds, Hutchinson.
- August 25—Sedgwick county, fall field day.
- August 27—Sedgwick county, fall beef tour.

- August 28—Neosho county, Thayer Branch Experiment Field day.
- August 28-31—Kingman county 4-H fair.
- August 29—Johnson county, milk market study, with George Gerber, KSC specialist.
- August 29—Washington county, farm management fall outlook meeting, with C. E. Bartlett and H. C. Love.
- August 30—Butler county, farm management outlook meeting.
- August 30-31—Finney county, cattlemen's carnival-rodde, Garden City.
- August 30-31—Miami county, lesson by Vivian Briggs, KSC home management specialist, subject, "Helping Children Become Good Citizens."
- August 31—Pottawatomie county beef tour with Ray Hoss and M. B. Powell, emphasis on creep and deferred feeding.
- September 1—Labor Day outboard motor races, Kanopolis Lake.



An Ohio Farmer Tells us

... he considers the Pitman bearing on his power mower to be the hottest bearing on the farm. He says that he can operate all day with but one application of LUBRIPLATE Lubricant without the Pitman heating up. He has cut as much as 30 acres of hay on one lubricating job of LUBRIPLATE whereas it was necessary to grease every half hour with conventional grease.

He further tells us that for other farm machinery LUBRIPLATE Lubricants are a big money saver in the grease itself. One pump with the hand gun through a zerk fitting daily and the creamy white LUBRIPLATE comes out on both sides of the bearings. He estimates he has saved three quarters of the volume in grease since using LUBRIPLATE. This is in addition to saving in time from less frequent lubrication and fewer stops for repairs, and parts replacements.

LUBRIPLATE LUBRICANTS SAVE TIME—REPAIRS AND REPLACEMENTS

LUBRIPLATE Lubricants are not new. They have been used by industry for years to do lubricating jobs where conventional oils and greases have failed. They are dual purpose lubricants... they provide superior lubrication while machinery is in use and protect it against rust during the seasons it is layed-up.



- ### 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.
 - Lubriplate track roll lubricant ... for Tractor Track Rolls.

MORE YIELD FROM SMALL GRAIN WITH FERTILENE Liquid Fertilizer

Recent scientific tests by university experiment stations and farmers show evidence of marked increases in small grain yields when seed grain treated with liquid fertilizer before planting.

Fertylene liquid fertilizer is a highly concentrated compound made of the finest raw materials needed for plant growth. It is a "super-charged" solution containing 7% Nitrogen, 14% Phosphorus, 7% Potash, plus trace elements of Boron, Magnesium, Manganese, Zinc, Calcium and Iron.

TESTS SUGGEST THAT PHOSPHATE SOAKED INTO SEED IS 60 TIMES MORE EFFICIENT THAN APPLIED TO THE SOIL*

By applying Fertylene to your seed grain, you add a great deal of nourishment—ready for the seed to use immediately after germination. This helps develop better root structure and top growth in the early stages. It makes possible an impressive increase in your yield. Fertylene is not a cure-all. But where either the soil or the seed is deficient in elements necessary for growth building, the results have been outstanding.

*Tests Reported in Journal Agricultural Science, 1948

EASY TO USE—NO SPECIAL EQUIPMENT

It is easy to apply Fertylene. Just sprinkle over your seed grain, mix thoroughly on barn floor, tarpaulin or in cement mixer, and allow to dry before planting. Treated seed runs freely through the drill. Fertylene is safe from freezing to 40° below zero.

COSTS LESS THAN 60c AN ACRE

One gallon of Fertylene is diluted with ½ gallon of water. It will treat 12 bushels of wheat, oats, rye or barley seed. The cost is generally less than 60c an acre.

WHEAT GROWER SAYS: "About your fertilizer, have noticed that the wheat came up faster and grows faster than the unfertilized. And also the best stand I believe I ever had so far. For example, my neighbor planted 80 acres and used the fertilizer and it came right up and kept growing. And in the center he ran out of fertilizer, so he went ahead and planted without the fertilizer. It took that wheat (untreated) about a month to come up to where it looked like any stand at all, and very slow growing. My, what a difference."
—G. Mayes, Tegarden, Okla.

LANGDON, NORTH DAKOTA EXPERIMENT STATION. Superintendent Victor Sturlaugson Says: "Recent tests showed a 41.7 bu. per acre wheat yield with application of liquid fertilizer to the seed, and 39 bu. per acre from untreated seed—an increase of 2.7 bushels per acre."

DEALERS WANTED

Fertylene Liquid Fertilizer offers an excellent opportunity for dealers to build a solid, fast-growing repeat order business. Attractive discounts. No bulky weight, easy to store. Write for details about Fertylene today.

SEE YOUR DEALER TODAY—IF YOUR DEALER DOES NOT STOCK FERTILENE USE THIS COUPON TO ORDER A TRIAL SUPPLY

FERTILENE MFG. CO., WORTHINGTON, OHIO **KF-8**

Gentlemen:

Send me a five (5) gallon drum of Fertylene Liquid Fertilizer (enough to treat 30-35 acres) for \$18.75 including shipping charges. Enclosed is check, money order.

Ship C.O.D. for \$18.75 plus shipping charges.

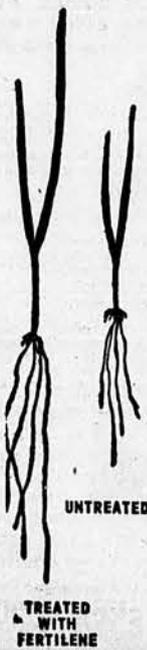
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CRITICAL CHEMICAL SHORTAGE LIMITS OUR SUPPLY—ORDER NOW!



LUBRIPLATE THE MODERN FARM LUBRICANT

FREE! 75c—1-Lb. Working Sample

INTER-STATE OIL CO. 87 Shawnee Ave. Kansas City, Kan. **KF-5**

Just mail this coupon—Your FREE can of waterproof, rustproof LUBRIPLATE will be sent postpaid. Try it in your own gun. Just include name and address of your tractor dealer and list makes of cars, trucks and tractors you operate.

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The Cheapest Grease in the World **33c** Per Lb. in Drums

Also 100, 25, 5 and 1-lb. Cans
SEND FOR FREE SAMPLE
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You lose extra egg money

if you house pullets with

WORMS

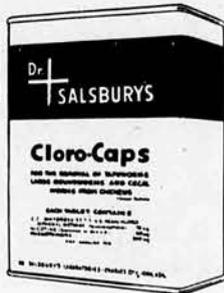
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TAPEWORMS

Large Roundworms and Cecal Worms with

Dr. Salsbury's CLORO-CAPS

NOW!



*The Most Common and DAMAGING TAPEWORMS OF ALL: R. Cesticillus, R. Tetragona, R. Echinobothrida.

New, Tested Individual Wormer Easy To Use

Millions of dollars are lost each year because the presence of worms in pullets and growing birds is overlooked. Don't take chances this year. Get extra egg profits by worming your growing birds and laying hens with Dr. Salsbury's CLORO-CAPS before housing time. This individual treatment expels tapeworms, large round-worms and cecal worms.



Which Bird Has The Worms?

Many Normal Looking Birds Are Wormy

It's hard to tell, without a post-mortem, if a bird is wormy or not. Better breeding, feeding, etc., often make wormy birds appear normal. Be on the safe side. Don't lose money in wasted feed, retarded growth, egg production, due to worms. Use this sound, low-cost worm control program.

If you prefer a flock treatment...use Dr. Salsbury's WORMIX. Easily mixed with the feed. Expels large roundworms and cecal worms.

Increase your egg profits this effective, low-cost way. See your Dr. Salsbury dealer at hatchery, drug or feed store. Dr. Salsbury's Laboratories, Charles City, Iowa.

When you need poultry medicines, ask for

Dr. SALSBUARY'S

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
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1215 Dace Street, Sioux City, Iowa

INTERLOCK WHITE TOP SILOS ARE GUARANTEED

DON'T WAIT!
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!

\$35 DOWN PAYMENT
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I would like information on the following:
 SILOS GRAIN AND INDUSTRIAL STORAGE SILAGE
 FARM BUILDINGS BEAR CAT 2-ROW FORAGE HARVESTER

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PRESS WHEELS with KLEAN-WELL SELF CLEANING RUBBER TIRES

Big 5 Star Performance

- * Earlier Germination—Stronger Plants
- * Uniform Growth
- * Greater Production per Acre
- * LOW COST—No Replacement Cost!
- * MORE profits for YOU!

Easily attached to all types of drills. Oil impregnated bearings have EXTRA LONG life. No lubrication time nor cost. Churchman's specially designed KLEAN-WELL V-type tires press seed into moist or dry soil and packs seeds uniformly. No mud build up. Easy to pull. **SEE YOUR LOCAL DEALER OR WRITE FOR SPECIAL FALL OFFER!**

Churchman MANUFACTURING CO.
Box 521 Wichita, Kansas Ph. 5-5342

Save Corn

(Continued from Page 26)

they are rained on—grind them and store the ground cobs in a dry place.
"SECOND—Grind the cobs fairly fine. A half-inch screen on a hammer mill is satisfactory—a seven-sixteenths screen a little better—and a three-eighths-inch screen certainly fine enough for any purpose. We actually use a seven-sixteenths screen, think it to be the most practical. Don't worry about grinding the shucks right along with the cobs—they are probably just as good a feed anyhow.
"THIRD—When properly balanced with protein and minerals the ground cobs plus the protein and the minerals will normally be consumed in a quantity representing 3 per cent of the live weight of the animal fed. It is interesting to note that our experience coincides exactly with the Purdue University Experiment in this respect.
 "The Purdue Experiment started with calves weighing 478 pounds and ended with the calves weighing 690 pounds for an average weight during the period of 565 pounds. They ate, on the average, 13.35 pounds of cobs daily, 3.5 pounds of Purdue Supplement A, .06 of a pound of minerals, and .04 of a pound of salt for a total daily weight of feed intake of approximately 17 pounds—almost exactly 3 percent of their average live weight."

New Seed Treatment

A recent \$500 grant to Kansas State College will be used to continue research on a new seed treatment for cereal and forage crops. R. I. Throckmorton, director of Kansas Agricultural Experiment Station, said Earl D. Hansing, plant pathologist, will continue studies with Panogen.
 This seed disinfectant uses volatile organic mercury in oil to control diseases of wheat, oats and sorghums. The studies are to determine value of Panogen as a treatment and compare its effectiveness with standard seed treatments now recommended in Kansas. Panogen eliminates flying dust in both treating and planting operations.

Seed-saving Ideas

A U. S. Department of Agriculture official has come up with a suggestion on how farmers can save more clover and alfalfa seed. He says to hook 2 combines up tandem. Run straw and chaff of the lead machine into the feeder of the second.
 Another suggestion is to cut the growing crop when it is mature, but tough with dampness, by using a mower which has a windrower attachment. When the crop is dry enough, run it thru a combine operated as a stationary threshing machine. Then run the straw pile thru again.

Farm House Loans

Credit restrictions on farm housing loans to families whose homes were damaged by the floods have been removed by the Farmers Home Administration. The U. S. Department of Agriculture announces farmers eligible for loans in flooded areas can borrow up to the full amount they need to reconstruct, repair or replace homes and other farm buildings damaged or lost in the flood. Loans can be made for periods up to 33 years, at 4 per cent interest. Applications for loans can be made at the nearest FHA local office.

Treat Seed Wheat

Treatment of seed wheat before planting is especially important this fall because many wet-season diseases can be carried over on seed. Also, point out Kansas State College agricultural staff members, seed treatment controls stinking smut and will increase stands. Last year, a Garden City firm treated 30,000 bushels of wheat seed. Many elevators and firms have seed-treaters.

List Goals for Fall-Seeded Crops

State acreage breakdowns of the national production goals for 1952 crops of wheat, barley and rye have been announced by the U. S. Department of Agriculture. Kansas breakdown for 1952 fall-seeded grains is: wheat, 195,000,000 bushels; barley, 5,500,000 bushels, and rye, 307,000 bushels. Respective planted acreages for the 3 crops are 15,000,000, 500,000 and 29,000.

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:
SHERMAN PRODUCTS, INC.
 DEPARTMENT No. 104
 ROYAL OAK, MICHIGAN



INVEST TODAY Buy U. S. SAVINGS BONDS

NATIONAL Vitrified SILOS
 Everlasting TILE SILOS
 Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.
NO Blowing In Buy Now Erect Early
 Freezing Immediate Shipment
 Rowell Roller Bearing Knifing Cutters.
 Write for prices. Special discounts now Good territory open for live agents.
NATIONAL TILE SILO COMPANY
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 STATE SIZE WANTED KANSAS CITY 16, MO.

Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has I.H.C. Lespedeza gears and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

SPECIFICATIONS
 Width of Cut—36 in. Bearings—Standard Ball.
 Power—3 H.P. Briggs & Stratton.
 Frame—Fabricated Electric Welded Steel.
 Differential—Auto Type Drives From Both Wheels.
 Drive—Standard Auto V-Belt. Gear—Machine Cut.
 Tires—400x8 Pneumatic. Self Propelled.

The F & H heavy duty 24" or 18" self-propelled rotary type lawn mower cuts fine grass or large weeds. Powered by a Briggs & Stratton 3 H.P. air-cooled engine. V-belt and roller chain drive. Ball bearing spindle. Electric welded steel frame. No castings to break. Auto type differential, pulls from both wheels. Foot proof V-belt clutch. All bearings and gears are unconditionally guaranteed for one year. Drive wheel 12"x3.00 semi-pneumatic puncture proof. Front wheel 10"x2.00. Two blades with each machine. Only one nut to remove to change blades. Satisfaction guaranteed.
Manufacturers of Power Equipment
Fousheer & Heckendorn
 Cedar Point, Kans.

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PULLETS — PULLETS — Special August Sale

All from U. S. Approved Flocks. Backed by 48 years of continuous poultry breeding. Here is one farm crop, with reasonable care, that will produce for you when other crops fail. Pullets from 8 weeks to Ready-to-Lay age. Send postal for Special Sale Pullet Bulletin.

RUFF POULTRY FARM, BOX 1504, OTTAWA, KANSAS

Hatching All Summer, thousands of U. S. approved pullets controlled AAA super quality chicks; immediate or future delivery; White Leghorns, Austra-Whites, Hamp-Whites, Buff Minorca, straight run, \$8.90; pullets, \$15.95; cockerels, \$5.95. White Rocks, Banded Rocks, New Hampshires, White Wyandottes, Rhode Island Reds, Production Reds, Cornish-Hamps, \$9.90; pullets, \$13.90; cockers, \$9.90; heavy assorted, \$7.90; cockerels, \$8.90; assorted, \$5.40; prepaid live arrival guaranteed. Started chicks of above breeds, 4 weeks old, straight runs, \$24.90; pullets, \$28.90; cockerels, \$24.90; 6 weeks old pullets, \$38.90. Newcastle vaccinated. Immediate or future delivery, F.O.B. Ideal Hatchery, Box 191, Garden City, Mo.

White, Banded Rocks, Hampshires, Reds, Wyandottes, \$9.95; pullets, \$12.95; cockerels, \$10.95. White, Brown Leghorns, Austra-Whites, Black, Buff, Minorcas, \$9.95; pullets, \$15.95. Heavies, \$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. Fulorum Pasedo. 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 Poultis in season. DeForest Hatcheries, Box E, Peabody, Kan.

● **POULTRY—MISCELLANEOUS**

Capon Pellets, 100—\$2.75. Implanter, \$1.00 post-paid. Erdley Hatcheries, Wray, Colo.

● **SEEDS**

New and Better Seed Wheats. Lower prices. Earl G. Clark, Sedgwick, Kan.

● **MACHINERY AND PARTS**

Quik Action CONCRETE BLOCK MACHINE

Quick in action, low in cost, high in production, vibrator type, the Panco makes a perfect block. This company has made and distributed quality products for over 30 years. Write for literature.

Dealerships Available
THE PANCO Company
900 N. 64th St. St. Louis 5, Mo.

Don't Be Deeked 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.

New and Used Tractor Parts. Write for big, free 1951 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Co., Des Moines 3, Ia.

I-D-9 International Tractor, large tires. Verland Byer, Hamlin, 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% 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.

Outside Snow White Paint—Top quality, tested titanium, lead and oil formula. \$2.23 gal. in 5-gal. cans. Money-back guarantee not to peel, rub or wash off. Cleans beautifully. More than a million gallons sold. Pint sample can, 50c. Snow White Paint Co., 1125 Division St. Chicago, Ill.

Booms Wagon Unloader. Inexpensive. Easily attached to your present wagons. Variable speeds; unloads 5 tons in 7 to 14 minutes. Write today. Booms Silo Co., Harbor Beach, Mich.

● **AUTOMOTIVE**

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

● **EDUCATIONAL**

AUCTION SCHOOL Learn Auctioneering 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. **REISCH AUCTION SCHOOL**, Mason City, Iowa

● **LIVESTOCK ITEMS**

Make More Profit under average farm conditions. Raise Milkings Shorthorn. For average farmer Milkings Shorthorns are unbeatable. Produce 4% 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 Milkings Shorthorn Journal. American Milkings Shorthorn Society, Dept. KF-5, 313 So. Glenstone, Springfield 4, Mo.

● **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 Doehla distributors, also Cheerful 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 notes and stationery, gifts. Several \$1.00 boxes on approval. Write Puro Co., 2801 Locust, Dept. 187-K, St. Louis, Mo.

● **RABBITS AND PIGEONS**

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

● **BABY CHICKS**

● **DOGS**

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

Shepherd Heelers. Also Rat Terriers, none better. Duckers, Wetmore, Kan.

Pure English Shepherd Pups—\$12. Guaranteed heelers, watchdogs, happy guarding the baby. Training instructions. Few partly trained dogs, \$25. Creekside Kennels, Beardsley, Minn.

● **FILMS AND PRINTS**

3c Deckledge Reprints 3c

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

Summers Studio, Unionville, Mo.

20 DECKLEDGE REPRINTS 50c

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

TINY'S PHOTO SERVICE
Box 1068-KF Topeka, Kan.

Great News! Our famous Century Jumbo Oversize finishing at contact prices. Our Chicago plant, with new improved equipment, exclusive with Century, produces sensationally magnificent 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.

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

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 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, 217 East Williams, Wichita, Kan.

● **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—MISCELLANEOUS**

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.

168-Acre Stock and Poultry Farm for sale by owner. Northwest Arkansas Ozarks. 6-room native stone home, 2-car garage. Other improvements. Plenty of water. M. A. Hamel, Elkins, Ark.

Ozark Land Company, Cassville, Mo. Good investments in farms, ranches, homes, businesses.

● **LAND—MISCELLANEOUS**

New Free Fall Catalog just off press! Farm and country real estate bargains, good pictures, many states, easy terms, many equipped, businesses. For special service, state requirements, desired location. United Farm Agency, 2525-KF Main St., Kansas City 8, Mo.

● **HOBBIES—HOMECRAFT**

Leathercraft. Everything needed by beginners, advanced hobbyists and professional leatherworkers. Largest stock of supplies in U. S. Moderate-priced tooling leathers, top quality calfskins, tools, supplies, kits. Send 10c for big catalog. J. C. Larson Co., 820 S. Tripp, Dept. 1191, Chicago 24.

● **FLOWERS AND BULBS**

Imported Holland Tulips. Daffodils, Hyacinths, Lilies, Iris. Free catalog featuring money-saving, special collections. Satisfaction guaranteed. Foley Gardens, Freeport, Ill.

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

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

100 Double Edge Razor Blades, \$1.00. Ball point pen free. United Sales, Box 665K, Aberdeen, S. D.

Glowing Warmth for cold winter nights. Send us raw wool for fine blankets and fringed motor robes. Big savings. Free literature. West Texas Woolen Mills, Main Street, Eldorado, Tex.

September 1
Will Be Our Next Issue

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

Friday, August 24

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



**PICKS IT FAST...
HUSKS IT GENTLY!**



You'll get more bushels per acre, with far less shelling, when you use the Belle City Corn Picker. And you'll get this better harvest in spite of storm, borer, or smut damage. Corn growers all over the country will tell you this.

No other corn picker can match all of the years-ahead features of a Belle City... profit-making features resulting from unmatched engineering experience.



Here are just a few BELLE CITY features

- Interchangeable units that provide either snapping alone, or snapping and husking together.
- Interchangeable rolls to provide either normal or extra gentle husking with a minimum of shelling.
- Provision for salvaging every possible shelled kernel and delivering it safely to the wagon box.
- An extra powerful blower to blast away dirt and litter.
- Construction that minimizes clogging... access doors to speed clearing of obstructions if any develop.
- A combination of finger tip and hydraulic control of gathering points... easy adjustment for ground or crop conditions.
- Stronger, lighter construction to reduce draft; centerline hitching for easier turning and steering.
- Simple, fast adjustment of V-belts, husking-roll pressure, snapping-roll spacing; easy-to-reach lubrication points.
- Fast, effortless attachment to Ferguson linkage system.

Your Ferguson Dealer will be glad to bring a BELLE CITY Corn Picker to your farm for a demonstration. Phone him today.

BELLE CITY CORN PICKER

Distributed by

C & D TRACTOR & EQUIP. CO.

3241 North Seventh Street • Kansas City, Kansas

FERGUSON TRACTOR AND 63 FERGUSON SYSTEM IMPLEMENTS

Private Sale DISPERSION of my Duroc Herd

Result of 47 years breeding top quality and blood of Duroc breed.

Gilts bred to Model Pacemaker boar—Wesley Miller of Montpelier, Ohio, states near perfection in type and quality, some to Stylish Leader—Bosingham says he is a duplicate of his Leaders Pride—a \$1,510 boar. Spring pigs by our proven sires since 1946 and out of top sows. If possible come make your own selections. If not will describe as I see them. Prices right. Loss of health makes it imperative that I sell. Everything double immuned. Will record all certificates to you. Crate and deliver FOB Lyons.

Thanking you for past support in my 47 years and I know have best ever to offer—you come see. Yours for better Durocs.

G. M. SHEPHERD

Lyons, Kansas

BUY MISSOURI DUROCS AND HEREFORDS at Nevada, Mo., on Monday Night, August 27

Sale held in Welty Brothers Sales Pavilion. (Nevada is 20 miles east of Ft. Scott, Kan.)



35 Bred Gilts and 30 Spring Boars

The offering is of medium type with a background of popular breeding. 35 Bred Gilts are bred for early fall litters. Most of the gilts are sired by Missouri Drama, Diamond Way and Enchanter Pride. They are bred to the Critic, Smooth Boy and 49er Trend. 30 Spring Boars sired by 8 different boars. New blood for old customers. This is a cholera immune registered offering. Herefords—Selling 5 Registered Hereford Cows with early calves. 2 Registered Yearling Bulls.

For sale catalog write to C. M. SHEPHERD & SON, Richards, Mo. Auctioneers—Welty Brothers, Nevada, Mo.

JAYHAWK FARM DUROCS

The Home of State and National Winners
In this herd you will find the most of the best. Bred Fall Gilts and Spring Boar pigs for sale.



RALPH SCHULTE
LITTLE RIVER, KANSAS

DUROCS

Fancy Fall Gilts bred and Spring Pigs sired by Kansas Harvester by Harvester, the 1950 Nebraska grand champion. Two Fancy Fall Boars by Royal Fleetline 1st.

B. M. HOOK & SON, Silver Lake, Kansas

Reg. DUROC BRED GILTS

August and September Farrow
Sired by Miracle Base and bred to W. F. Promotor 2nd. Also some fancy spring boars and gilts.

J. H. FLACH, Paxico, Kansas

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

KNELLVIEW DUROCS Offering Spring Boars—long, deep bodied, heavy boned, good headed kind. Immune, registered. New bloodlines. Farm 9 miles east of Carthage on 66 and 3 miles north.
ED & FRANK KNELL, Rt. 1, Carthage, Mo.

DUROC BRED GILTS

To farrow soon. Same quality as those in last February Sale, which was one of nation's top sales. Also choice boars. No fall sale.
VERN V. ALBRECHT, Smith Center, Kansas

REGISTERED HAMPSHIRE

Piggy Gilts, Sows with litters. Serviceable Boars. Pigs cheap. DWAIN HOLCOM, Gypsum, Kan.

HAMPSHIRE GILTS FOR SALE
Sired by Fancy King and Crusader's Leader. Most of them are bred to Hillside Distinction, a son of Distinction, the \$2,500 Jr. and Res. Gr. Champ. of Ind. Leslie A. Stewart, Americus, Ks.

POLAND CHINA PRODUCTION SALE

Friday, Sept. 7, 1951

at the farm
75 HEAD

10 Bred Gilts, 10 Tried Sows
20 Spring Boars, 20 Spring Gilts



Many of the boars and gilts are sired by Western Buck. The sows and bred gilts are carrying the service of Western Buck and a son of the great "Dress Parade." The boar that has done so much for the C. R. Rowe & Son herd. His sons and daughters are making breed history everywhere they go. Here is your opportunity to purchase Polands of nationally famous bloodlines the best of breeding, individuality and type, at your own prices.

For catalog and information write

ALBERT MORGAN, Alta Vista, Kansas

Mike Wilson, Auctioneer

Public Sales of Livestock

Aberdeen-Angus Cattle
September 1—Hal T. Hooker, Maryville, Mo. Catterson Bros., Maryville, Mo., and Leo Archer, Conception, Mo. Leo Archer, Sale Manager, Conception, Mo.
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 3-4—Normandy Farm Dispensal, Norristown, Pa., Rt. 3, Tom Whittaker, Sale Manager, Brandon, Vt.
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
September 20—Feess-Paramount Dispensal, Parsons, Kan.
October 19—Ninth Annual Kansas Guernsey Breeders Consignment Sale, Fairgrounds, Hutchinson, Kan. C. J. Graber, Secretary, Rt. 1, Newton, Kan.

Hereford Cattle
September 5—Davis Stock Farm Registered Hereford Dispersion, Derby, Kan.
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 13—CK Ranch, Brookville, Kan.
October 20—O'Bryan Ranch, Hiattville, Kan.
October 22—Beeks & Cleland, Baldwin, Kan.
October 29—Mousel Bros., Cambridge, Nebr.
October 30—North Central Kansas Hereford Sale, Dr. George Wreath, Sale Manager.
October 31—Bob White Hereford Farm, Enterprise, Kan.

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 2—Haven Hereford Association, Hutchinson, Kan.
November 3—Jesse Riffel & Sons, Enterprise, Kan.
November 5—Frank R. Condell's Dellford Ranch, El Dorado, Kan.
November 7—Lincoln County Hereford Association, Sylvan Grove, Kan.
November 7—Cowley County Hereford Breeders, Winfield, Kan.
November 9—Midwest Polled Hereford Association, Deshler, Nebr.
November 10—Al Schuetz and William Belden, Horton, 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, Iconium, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.
November 14—K Ranch, Hutchinson, Kan.
November 17—O'Bryan Ranch, Hiattville, Kan. (Polled)

November 19—Summer County Breeders, Caldwell, Kan.
November 20—Central Kansas Polled Hereford Association, Herington, Kan.
November 21—Jesse Riffel & Sons, Enterprise, Kan. (Polled)
November 27—Athlison Bros., Natoma, Kan.
November 28—WHR Royal Tredway 9th Sale, Oakley, Kan.
December 3 and 4—Mulyane Hereford Ranch Dispersion, Topeka, Kan.
December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Monticello, Kan.
December 8—A. R. Schlickau & Sons, Haven, Kan.
December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.
February 5-6—Kansas Range Bull Sale, Dodge City, Kan.

February 9—Dickinson County Hereford Breeders' Association, Abilene, Kan.
February 14, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.
February 22—Sam Gibbs, Clay Center, Kan.
April 12—Kansas Hereford Association, Horton, Kan.

Polled Hereford Cattle
September 7—Tom Woods, Fayette, Mo.

Holstein Cattle
August 31—Lorin Bradshaw, Penalosa, Kan.
October 2—Dispensal Sale, Kansas State School for the Deaf, Olathe, Kan. Stanley D. Roth, Superintendent.
October 8—Nebraska State Holstein Association, Lincoln, Nebr. Merle Severe, Palmyra, Chairman Sale Committee, T. Hobart McVay, Sale Manager, Nickerson, Kan.
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.
October 15—Kansas Jersey Cattle Club State Sale, Manhattan, Kan., at Kansas State College, Ivan N. Gates, Sale Manager, West Liberty, Ia.

Red Poll Cattle
October 26—Kansas-Missouri Red-Poll Sale, Free Fair Grounds, Topeka, J. E. Loeppke, Secretary, Penalosa, Kan.

Shorthorn Cattle
September 17—Gregg Farms Dispersion by W. H. Hargus Land and Cattle Co., at Silver Top Farms, Belton, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
September 18—Tomson Bros., Wakarusa, Kan.
September 28—Hartley 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.
October 25—North Central Kansas Shorthorn Breeders, Beloit, Kan. Ed Hedstrom, Secretary, Marysville, Kan.
November 8—Kansas State Polled Shorthorn Sale, Hutchinson, Kan.
November 9—Kansas State Horned Shorthorn Sale, Hutchinson, Kan.

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

Milking Shorthorn Cattle
October 31—Milking Shorthorn Consignment Sale, Hutchinson, Kan. C. O. Heldebrecht, Sale Manager, Inman, Kan.

Chester White Hogs
October 8—Roy Koch, Bremen, Kan. (Night Sale at Marysville.)

Duroc Hogs
August 27—(Night) C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.
September 26—Sasnak Dispersion, White Cloud, Kan.
September 27—Allen Kettler, Paola, Kan.
October 4—Kansas Duroc Breeders' Association, Horton, Kan.

October 5—Frank Alexander, Corning, Kan.
October 9—Boar and Gilt Sale, U. S. Center Duroc Association, Smith Center, Kan. Vern V. Albrecht, Sale Manager, Smith Center, Kan.
October 13—NCK Duroc Sale, Belleville, Kan. Dr. George Wreath, Sale Manager.
October 20—Willis Huston, Americus, Kan.
October 22—(Night) Fred Farris, Faucett, Mo.
October 23—Kansas Duroc Breeders' Association, Abilene, Kan.
February 9—Bred Sow Sale, Vern V. Albrecht, Smith Center, Kan.

Poland China Hogs
September 7—Albert Morgan, Alta Vista, Kan.
September 24—Glenn Wiswell, Spring Hill, Kan.
October 22—C. R. Rowe & Son, Scranton, Kan. (Night Sale) at Osage City.

Sheep
September 1—S. E. Colorado Purebred Sheep and Swine Breeders' Association, Tom W. Beede, Sale Manager.

Hampshire Sheep
December 15—Northwest Missouri Breeders' Association, St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

The KANSAS MILKING SHORTHORN ASSOCIATION will hold its annual field day and picnic at Retnuh Farm, owned by Joe Hunter, Geneseo, on August 26. Type demonstration and herd management problems will be discussed. A basket dinner will be served at noon. "Everyone interested in the world's fastest growing all-purpose breeds should not fail to attend."

GLENN F. WISWELL, Poland China breeder of Springhill, writes his spring pig crop is doing fine. Glenn has bred Poland Chinas all his lifetime and is now producing some of the finest Polands he has ever raised. He is also fitting a show herd and plans to exhibit at some of the larger fairs in this territory including Kansas Free Fair, Topeka. Mr. Wiswell also plans to hold a production sale of boars and gilts at his farm in September.

MR. AND MRS. WALTER J. BUBLITZ, Walmar Farm, Olathe, are owners of 2 registered Guerneys recently completing production records with the American Guernsey Cattle Club. Golda of Elgercon, a 6-year-old, produced 13,966 pounds of milk and 702 pounds of butterfat and was milked 724 times. McDonald Farms Supreme Lydia, a senior 3-year-old, produced 8,606 pounds of milk and 471 pounds of butterfat and was milked 572 times.

Buyers who failed to attend the NORTHWEST MISSOURI HAMPSHIRE SHEEP SALE, St. Joseph, Mo., August 4, missed the opportunity of buying some good rams worth the money. Thirty-six rams averaged \$71 with 6 ewes averaging \$90. Top ram was the champion of the show and he sold for \$175. He was consigned by F. B. Houghton, Maryville, Mo., and purchased by J. D. Schumaker, of Osborn, Mo. Top ewe at \$110 was consigned by Glenn Armentrout, Norborne, Mo., and purchased by M. L. McGettigan, Maryville, Mo. Sale day was fine for field work. Sale crowd was small and they bid conservatively on a desirable offering. Bert Powell was auctioneer.

SASNAK FARM, White Cloud, drew one of the hottest days of the summer for their production sale of Duroc hogs at the farm, Wednesday, August 8. The barn was filled with farmers and breeders and friends interested in the promotion of Duroc hogs. The buyers mopped their brows and purchased the animals at a reasonable rapid pace. The blood of the 2 great herd boars, Super Model and Trademark, were represented in this offering. Bred gilts sold from \$160 down. That price was paid by Don Washburn, of the Duroc News, on order for a daughter of All Cherry Mixer and carrying the service of Trademark the Kansas grand champion boar. Spring gilts were sold from \$77.50 down. A few spring boars were sold, making a top of \$100 paid by John Townsend, Troy, for a son of Peppard Top Quality. Peppard Top Quality was used in the Sasnak herd and has been sold to the Neer Duroc Farm of Missouri. This firm also bought 2 bred gilts in the sale. Col. Bert Powell and Tom Sulivant sold the sale.

MR. AND MRS. G. W. CALDWELL and daughter, Gyra, Harlan, were hosts to the many Kansas Aberdeen-Angus breeders and their friends at the ranch, on Tuesday, July 31. Around 700 people attended this fine meeting. Persons from Wyoming, Colorado, Nebraska, Oklahoma, Missouri, Illinois and Kansas were present to enjoy visiting with the Caldwells and to see their fine herd of Angus cattle. Andy Anderson, Encampment, Wyo., president, and Frank Richards, Chicago, Ill., secretary of the National Angus Association; Professor Darlow, of the Oklahoma A & M College; Professor Bell, of

Dairy CATTLE

Announcing the EMERALD ACRES REG. AYRSHIRE SALE

Monday
Sept. 10, 1951

Sale to be held in tent 7 1/2 miles southwest of Rich Hill, Mo.

60 HEAD OF REG. AYRSHIRES SELL

Popular bloodlines. 25 good age cows, fresh and heavy springers; 5 two-year-old bred heifers; 20 past yearling heifers; 7 young heifer calves; 3 serviceable-age bulls. All females vaccinated for Bang's and mostly all dehorned.

Watch later issues for more information.

C. C. "CONNIE" MCGENNIS, Rich Hill, Mo.

Write now for catalog to

DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.

Auct.: Col. Bert Powell, Topeka, Kan.

AUCTION

Normandy Farm
AYRSHIRE DISPERSAL
Norristown, Pa., Rt. 3
Sept. 3 & 4, at 11 A. M.

249 HEAD

One of the breed's greatest breeding herds. It includes:

115 Cows—36 Bred Heifers

31 Yearlings—53 Heifer Calves

14 Bulls—Herd Tb. & Bang's Accrd.

For catalog write

TOM WHITTAKER, Sale Manager

Brandon, Vermont

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 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.

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

DAIRY CALVES

Cows, Bulls from Wisconsin's largest bonded distributors. Tested, registered Holstein, Guernsey, Swiss on approval. Low cost. Free bulletin. Write MR. FORBES, Dairyland Cattle Company, 1203 West Canal Street, Milwaukee, Wisc.

REG. GUERNSEY COWS

Bred for fall and winter freshening.

RANSOM FARM, HOMEWOOD, KANSAS

SHEEP

PUREBRED SHEEP SALE

September 1
12:00 Noon
Las Animas, Colo.

at fairgrounds

200 Rams—Corriedales, Columbias, Suffolks, Hampshires

25 Hampshire Ewes, 15 Suffolk Ewes

The tops in Colorado

Frank Ray, of Lamar, Auctioneer

For information write:

TOM W. BEEDE, Las Animas, Colo.

Sponsored by S. E. Colorado Purebred Sheep and Swine Breeders' Association

REGISTERED Shropshire Yearling Rams

A big bunch of big rams.

D. V. SPOHN, Superior, Nebraska

• AUCTIONEERS •

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

Kansas State College, Manhattan; Don Good, secretary of the Kansas Angus Association; Urban Simon, president of the Kansas Angus Association, and a 4-H Club boy from Ellsworth were main speakers on the afternoon program. Glenn Pickett, secretary of the Kansas Livestock Association, discussed the "roll-back" on beef cattle prices. Don Good announces the association now has the largest membership known in the breed's organization.

SEVERAL KANSAS JERSEY HERDS recently were classified under a program of the American Jersey Cattle Club. The classification rated animals for type, comparing them against the breed's score of 100 points for a perfect animal.

Herds, owners and classifications are: 17 Jerseys, Arthur W. McClelland, McPherson—4 Very Good; 8 Good Plus, 3 Good and 2 Fair; 3 Jerseys, Chester G. Thompson, Lawrence—1 Good Plus, 1 Good and 1 Fair; 6 Jerseys, John A. Bowyer, Abilene—4 Good Plus, 1 Good and 1 Fair; 6 Jerseys, R. M. McClelland, Kingman—2 Very Good, 2 Good Plus, 1 Good and 1 Fair; 13 Jerseys, Lester R. Frey, Manhattan—3 Very Good, 3 Good Plus and 7 Good; 9 Jerseys, Quinten D. Young, Cheney—1 Very Good, 5 Good Plus and 3 Good; 4 Jerseys, James E. Berry, Ottawa—1 Very Good, 2 Good Plus and 1 Good.

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	\$37.25	\$38.75	\$31.00
Hogs	22.75	23.50	25.00
Lambs		32.00	26.75
Hens, 4 to 5 lbs.	.25	.27	.23
Eggs, Standards	.44 1/4	.42	.33
Butterfat, No. 1	.62	.62	.51
Wheat, No. 2, Hard	2.40 1/4	2.35 1/4	2.30 3/4
Corn, No. 2, Yellow	1.77 1/4	1.75	1.47
Oats, No. 2, White	.89 1/4	.95 1/4	.80
Barley, No. 2	1.26	1.31	1.23
Alfalfa, No. 1	28.00		24.00
Prairie, No. 1	16.00		15.50

MAKE YOUR FARM PAY MORE with a . . .

SALINA SILO

... Pays for itself every year!

Concrete stave construction means lifetime durability. All steel, air-tight, free-swinging doors give easy access.

Prevent waste on your farm . . . good silage helps keep cattle from getting off feed . . . get more profit from grasses and legumes. Let us show you how you can lower feeding costs and make your silo pay for itself.

Get all the facts today.

Free! Write for this **FOLDER . . .**

SALINA CONCRETE PRODUCTS COMPANY
1101 Park Street • Salina, Kansas

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

Haul Bigger Payloads

ALL-STEEL WAGON BOX

Cut costs with this heavy-duty, grain-tight, all-steel box. 4-way tail gate. Sliding dump chute. Sides removable. Side-board corner brackets avail.

175 bu. capacity

WRITE FOR FREE FOLDER TODAY!

WINPOWER
NEWTON, IOWA

COMPLETE DISPERSAL of my HOLSTEIN HERD

40 Head, purebred but not registered, 20 Cows in production
Friday, August 31, at the farm 1/2 mile west of Penalosa, Kan.
1950 DHIA HERD AVERAGE 425.2 FAT 12,103 MILK

Every animal selling born on the farm. Calfhood vaccinated since 1944. A Wichita market herd, thus they are bred and selling right for milk base period milk. Several fresh around sale day. 14 Bred and Open Heifers. A few Calves.

Records up to 517.4 fat at 3 years; 470 lbs. fat 2 years old.
A young herd, 15 of the 20 producing cows born in 1947 or later.
A clean sound herd, many cows now bred artificially, in county unit set up. Tb. and Bang's tested within 30 days of sale.

All cows sired by good record sires. Selling 15 daughters of the Schultz sire, a son of the (Excellent) Snowflake cow. Also a few daughters from the inbred Evans "Tess" sire.
Also selling, our milk equipment, including 2 unit Surge milker. Surge units less than 1 year old, 20 milk cans, and many other articles.

This is one of the best type, sound, high producing, well bred herds of grade Holsteins to sell; buy these cows and good heifers in this sale.
11 miles west of Kingman, and 5 north; 1/2 mile west of Penalosa, Friday, Aug 31, at 1 o'clock

LORIN BRADSHAW, Owner, Penalosa, Kan.
Chas. Cole, Wellington, Auctioneer T. H. McVay, assisting with sale

Beef CATTLE

MULVANE RANCH DISPERSION

December 3 and 4

SELLING 500 HEAD

Registered Herefords at the 4E Ranch headquarters. Beau Perfect 246th sire of champions and top sellers. Francis Davis of Rossville is foreman of Mulvane Ranch. 4E Ranch is located 5 miles south and 1 mile west of Topeka. It is stocked with 200 head of registered Herefords.

ALLEN ENGLER & SONS, Owners
TOPEKA, KANSAS

Proven Polled Hereford Herd Sire For Sale

Advance Choice 16th 3790573-P-184985—8 years old. Sired by Advance Domino 50th. Dam is Rosy Domino, sired by Advanced Domino, bred by Kenneth Kuhlmann, North Platte, Neb. Also 30 young bull calves for sale Sept. 1, sired by Advance Choice 16th and Domino 8th, my junior herd sire. Write for details. Near highways 77 and 50N.
MARTIN L. SHIELDS, Lincolnville, Kan.

Registered Double Standard POLLED HEREFORDS

1 Herd Sire, popular bloodlines. 1 13-month-old Bull, 9 outstanding Bull Calves, 3 outstanding Heifer Calves. **GLENN J. BIBERSTEIN & SON**, 2 miles west and 1 north of Attica, Kan. Ph. 3708

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 pinkeye in Angus. Even Angus crossbreds are resistant to these diseases. For more information, write Dept. KF.

American Angus Assn., Chicago 9, Ill.

Dual-Purpose CATTLE

Be Sure and See the RED POLL EXHIBIT

at the **Kansas Free Fair in TOPEKA, SEPTEMBER 8-14**, with judging on September 10, at 9:00 A. M. and at the **Kansas State Fair in Hutchinson, SEPTEMBER 16-21**, with judging on September 19 at 1:00 P. M. For further information address **J. E. LOEPPKE**, Penalosa, Kansas. **Kan. Red Poll Breeders' Assn.**

Milking Shorthorn COWS

For Sale

Some with Record of Merit, and bred to Retnuh Choice Goods, dam Retnuh Princess Rose 5th, R. M., classified Excellent.

J. E. EDIGER, Inman, Kansas

• AUCTIONEERS
BERT POWELL
LIVESTOCK AND REAL ESTATE
1529 Plass Avenue Topeka, Kan.

DAVIS STOCK FARM

Registered Hereford Dispersion

Derby, Kan., September 5, 1951

Sale at the farm, 1 mile south of Derby on Highway 15; 12 miles southeast of Wichita.

115 LOTS — 150 HEAD

Including 5 Bulls, 61 Cows with calves, 11 Bred Cows, 14 Yearling Heifers (open), 24 Bull and Heifer Calves

This herd has been built on a foundation of cattle from Turner Ranch, Sulphur, Okla.; CK Ranch, Brookville, Kan.; Will Condell, El Dorado, Kan.; Murray Hill Stock Farm, Valley Center, Kan.; and Walnut Valley Hereford Ranch, Winfield, Kan.

For sale catalog write to the sale manager
O. R. PETERSON, National Auction Co., 1208 Burk Burnett Bldg., Fort Worth, Texas
or to **CHARLES J. DAVIS, Owner, Derby, Kansas**
Aucts.: G. H. Shaw and Gene Watson Mike Wilson for Kansas Farmer

NOW OFFERING 36 BULLS

17 TWO-YEAR-OLDS — 19 YEARLINGS

Sired by H. Lassie's Tone 21st by Lassie's Tone 8th and FRC Rupert 3rd a grandson of Hazford Rupert 25th, whose pedigree is shown. These bulls are out of good big smooth rugged typey Hazlett bred cows. Priced reasonable. We have bred Herefords since 1922. Come see us.

P. F. HANSEN, Hillsboro, Kansas

Delford Rupert 2 2704907	Rupert Tone 13 2244522	*Hazford Rupert 25 1209734	Hazford Rupert Hazford Lass 6
Name—FRC Rupert 3 4269242 Calved—September 23, 1944	Mary Tone 1546218	*Izontone 1597375	*Hazford Tone Bocaido Mischief
Dell, Lady Domino 3 2870430	WHR Star Domino 2198859	*Hazford Tone 1093542	*Bocaido 8th Tonette 2d
	Dream 1652706	Minette 993242	Beau Gudgell Oma
* Indicates Register of Merit		Prince Domino 4 1480009	*Prince Domino Belle Domino 6
		Brand's Anxious 75 1871775	Superior Mischief 21 Brand's Donaldess 13
		*Hazford Tone 1093542	*Bocaido 6 Tonette 2
		Manoh 1294648	Hazford Bocaido 8 Bocaido Mischief

Tom Woods Polled Herefords in Complete Dispersal

Ill health caused by a stroke suffered by this well known and veteran Polled Hereford breeder makes the herd dispersal necessary.

The herd will be sold at the **Purebred Livestock Sales Pavilion**

Fayette, Missouri
Friday, September 7
Time 1 P. M.
75 HEAD SELL

Including the Entire 1951 Show Herd

T.W.H. TRIUMPH DOMINO, grand champion Bull, 1950. Sells as Lot No. 2.

May 14, 1949: LHR Adv. Presto Type, calved July 12, 1949. 33 QUALITY BROOD COWS, they sell with 27 calves at side and rebred. 7 YEARLING SHOW HEIFERS, some bred. 5 YEARLING AND COMING YEARLING HERD BULL PROSPECTS. Everything sells in good pasture condition. Health—Individual health papers for Tb. and Bang's. Remember—In a complete dispersal you buy the seed stock that has made this herd well and favorably known. Some of the best bloodlines of the Polled Hereford breed sells.

For Sale Catalog and Other Information Write to **DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.**
Aucts.: Jewett Fulkerson and Guy Pettit Bert Powell with this publication

See Our SHORTHORNS at Three KANSAS FAIRS

AUGUST 27-31
North Central Kansas Free Fair, Belleville

September 8-14
Kansas Free Fair, Topeka

September 16-21
Kansas State Fair, Hutchinson

Our show herd will be sons and daughters of the bull pictured here. They also sell in our September 29 sale. Females selling will be mated to the imported Uppermill Lochter, a sire of champions. Selling 36 females and 6 bulls. Herd established 1918.

EDNA-MAE SHORTHORNS
J. L. (Jim) Early, Owner, Carl Junction, Mo. (Jasper county). Visit farm 2 1/2 miles north on highway 57.

STROWOLD FAVORITE COUNT
by the imported Lawton Favorite

ABERDEEN-ANGUS DISPERSION

OF THE SOUTH OAKS HERD — A Herd Strong in Eileenmere Breeding

Sale at 71 Sales Barn at the south edge of **Maryville, Missouri**

73 LOTS SELL AT 1 P. M.

on Saturday, September 1

69 FEMALES—25 Cows have calves at side. 15 Bred Cows, 14 Yearling Heifers. Among the 69 head are daughters of Eileenmere 428th, daughters and granddaughters of Eileenmere 487th. Most of the cows carry the services of South Oaks Eileenmere 999th that is selling. 4 BULLS—The good 2-year-old herd bull sells. He is by Eileenmere 999th and his dam is a daughter of Eileenmere 487th. 2 Yearling Bulls and a 9-month-old Bull Calf, all of Eileenmere breeding are selling.

THIS IS A COMPLETE DISPERSION

Health—All young cattle are calfhood vaccinated. Health papers furnished. For catalog write **HAL T. HOOKER, Maryville, Mo.**
Auctioneer: Roy Johnston Bert Powell with this publication

AUG 21 1951

KEEP YOUR LIVESTOCK

Through a caprice of nature—thousands upon thousands of farmers, many of them PIONEER customers, have seen their corn crop utterly destroyed, or very badly damaged, by the heaviest and most continuous rainfall in history.

Our deepest sympathy goes out to all those whose high hopes and expectations were dashed against the onslaught of uncontrolled flood waters.

But, to "feel sorry"—and to extend our sympathies is not enough. Let's see if some timely suggestions may not be of substantial aid in recovering from these grievous losses.

KEEP YOUR CATTLE

In the first place, we feel sure that people should not liquidate their livestock. As most of you know, and as a means of disposing of very large annual supplies of corn cobs, we started, about five years ago, feeding beef steers on a ration that consists of two-thirds ground corn cobs, by weight. The results were excellent. However, there is this little trick to it. The cobs must be finely ground—preferably using a hammermill with half inch screen—and they must be supplemented with ample protein.

PROTEIN OUTLOOK GOOD

The United States will harvest this year one of the largest crops in history of both cotton and soybeans. It now appears likely that protein will be available in ample supply and at a somewhat lower price than has existed by November 1st.

KEEP BREEDING GILTS

With the shortage of grain now rather apparent it may well be advisable to liquidate heavy hogs—and to sell feeding barrows. But, recovery from the great

disaster of 1951 will be twice as fast if farmers keep their livestock around. You can plant wheat and rye pastures to supplement both the cattle and gilt pigs—and get a lot of fine Vitamin A stored up in the animal this Fall and available to the animal in the early Spring. With good planning—and by feeding plenty of protein, along with some cellulose to the cattle—and by feeding the grain mostly to the gilts, along with some protein—livestock numbers do not need to be materially reduced.

Because we have had such long and successful experience in the feeding of ground corn cobs to cattle, we advise everyone to accumulate any dry cobs that are available in their area out of the corn that will be shelled in the next 60 days—to grind these cobs fine—store them just like oats—and feed them next winter.

We are now preparing a complete history of our experience, together with the best advice from agricultural colleges, for distribution to our sales organization. If you would like a FREE copy—just mail us a penny postcard—and you will receive one just as soon as they are off the press.

CORN—THE REAL FEED CROP

While we believe that most farmers in the worst affected areas can and should grow a limited acreage of oats, wheat or barley for their early pig feed next summer—the real feed crop is corn. Nothing approaches corn in the yield of feed units per acre. It produces the most bushels per acre of the best feed of any grain crop.

Corn is the basis of any livestock program, which includes hogs and chickens as well as cattle. Corn is going to be scarce until the 1952 crop is harvested—and there is no chance whatever that we will build up much of a surplus as a result of the 1952 crop—because high

livestock numbers are necessary to support our vast and rapidly growing population.

So we would urge farmers in these areas of Kansas, Missouri and Nebraska which are adapted to the growing of corn, to plant an even larger acreage of corn next year than normal. We would urge the planting of at least a small part of the acreage to a relatively early PIONEER variety—and planting it early in the season—to provide early fall feed.

And, we would urge that the balance of your acreage be planted with those time proven PIONEER varieties which have given such grand success over a period of years—varieties such as PIONEER 300, PIONEER 332, PIONEER 302—and PIONEER 335.

SAVE FEED—FEED COBS

In Nebraska there are some excellent cornfields—and that is, of course, true with a few areas in Missouri and Kansas. To those of you who have been fortunate enough to miss the worst effects of the floods, let us say this: Corn is going to be scarce and relatively high in price. You can profitably feed corn cobs or corn-cob meal to your cattle even though it may not be necessary—and you can save corn that will add to the supplies of those who live in the worst stricken areas.

You can save corn by feeding some cobs to cattle and not only be helpful but add materially to your own profits. Even though you have the good fortune to have an excellent corn crop—we urge you not to use any of it wastefully—because it will be a badly needed product during the coming years.

GOOD SEED CROP ANTICIPATED

We need to raise the biggest corn crop possible in 1952. It's going to take more seed corn than ever before—because we

need to raise more corn than ever before. Fortunately, this past Spring, we planted a materially increased seed acreage. Fortunately, the areas in which we produce our seed have not been too adversely affected by weather. And, fortunately, the seed fields were heavily fertilized which let them continue to grow during the cool weather and survive a mighty muddy spring.

At the present time, we expect to harvest a large crop of PIONEER Hybrid Seed Corn of excellent quality. We know that the supply will not be sufficient to meet all of the potential demand. It is well to remember that many companies who normally produce hybrid seed corn for the disaster areas—raise their seed in those very areas which were worst hit. As a result the total supply of hybrid seed corn will not be as great as usual.

ORDER PIONEER NOW

Because of the conditions, as outlined above, we urge that you start to do your planning immediately. And that, included in those plans, you put in a very substantial acreage of PIONEER Hybrid Corn. For that reason we urgently suggest that you place your order for your 1952 requirements of PIONEER Hybrid Seed Corn at your earliest convenience to assure yourself of a full choice of kernel sizes and varieties.

In the meantime, keep your livestock to the very limit of your ability to do so. Utilize all possible roughage. Round up corn cobs, if you can. If they are not available—straw, corn stalks and poor quality hay—when supplemented with ample protein—can be fed to cattle and sheep with surprisingly good results and at a surprisingly low cost.

This great area has survived the worst that nature could throw at it—as it survived the drouth years of the mid-thirties—and will move on to greater heights of agricultural prosperity.