

# Kansas Farmer

## 2,200 Farms Served By These Lines

Ninnescah association finds members using more electricity every year to lighten work, increase comforts of living.

THERE WAS REAL rejoicing at the recent annual meeting of the Ninnescah Rural Electric Co-operative Association. Held at Pratt, it was attended by 2,100 persons, with 850 of 2,200 association members registered as delegates. Reason for rejoicing was an announcement by officers that 95 per cent of farms in the 9-county area served by the association are now electrified.

"Only 6 applications for electric service were on file and not completed at the time of our annual [Continued on Page 25]



**NEW BOARD** of directors for Ninnescah REA, left to right, seated: Marion Zink, treasurer; Shelby Neelly, president; William K. Garner, vice-president; L. G. Gatterman. Top row: Claude Hoffman, J. T. Marsh, Sr., L. R. Minks, C. R. Fitzsimmons, Art McAnarney, secretary. (Picture by Freund Studio).



**AN APPLIANCE** show in which all appliance dealers co-operate is a feature of annual meeting of Ninnescah REA. (Picture by Fowler Studio, Pratt).

**RIENT BERGNER**, shown addressing annual meeting, served as president of Ninnescah REA from its organization in 1940 to this year. (Picture by Freund Studio, Pratt).

- Great Progress with Sorghums.....Page 4
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- Will Ewes Lamb Earlier?.....Page 8



Look what you can do in a day...

# with a McCormick Farmall Super C



Pull-power for deep plowing with easily-connected, 2-furrow 14-inch plow, working as deep as 8 inches.



Pull-power for 7-foot tandem harrow. Correct power-weight balance and big-diameter tires give positive traction.



Plenty of steady power—take-off power for the McCormick No. 45 baler—or No. 1-PR one-row corn picker.



Pull-power for fast harvesting of grain, soybeans, and any other threshable crop with engine-driven McCormick No. 64 harvester-thresher. You'll like the ease of Super-C steering and the positive-acting double-disc brakes.

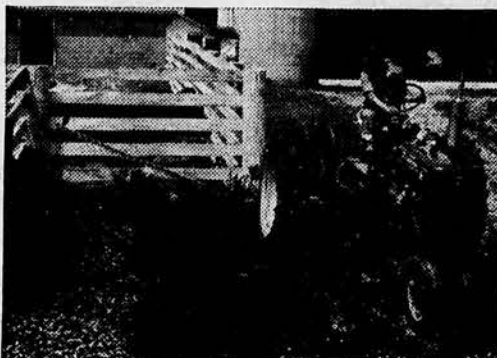
Try the Super C and save on ANY of these jobs!

- |   |   |
|---|---|
| <input type="checkbox"/> Plow 8 to 10 acres in a day with 2-furrow moldboard or disk plow.                              | <input type="checkbox"/> Mow or rake 35 acres.  |
| <input type="checkbox"/> Middlebust or list 35 acres.   | <input type="checkbox"/> Cross-block 30 to 35 acres of cotton.  |
| <input type="checkbox"/> Double-disk up to 28 acres.  | <input type="checkbox"/> Bale up to 20 acres with McCormick power take-off-driven pickup baler.   |
| <input type="checkbox"/> Harrow-plow up to 20 acres.  | <input type="checkbox"/> Harvest up to 20 acres with engine-driven harvester-thresher.  |
| <input type="checkbox"/> Plant up to 35 acres with 2-row front-mounted planter or 60 acres with 4-row trailing planter. | <input type="checkbox"/> Lift and windrow beans, dig and shake peanuts, lift beets, load manure, pump or irrigate with tractor-mounted pump; dig post holes, pull heavily loaded wagons, and do all other 2-plow, 2-row work. |
| <input type="checkbox"/> Cultivate up to 35 acres.  |   |

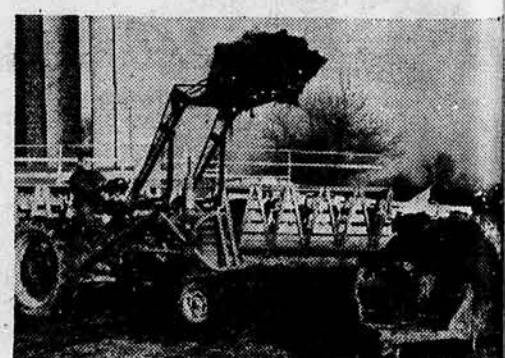


You look ahead to cultivate CLEAN with front-mounted cultivator. You can cultivate corn, beans,

cotton, vegetables, and other crops in 28 to 60-inch rows. Notice the clear view of the row.



Mow easier with Farmall Touch-Control. A nudge on a lever gives you full control of cutter-bar. Hydraulic Remote-Control is available for trailing implements.



Super C pays for its keep the year 'round! Use it with loader, post-hole digger, mounted pump or sprayer, grader blade and other work-saving "chore" equipment.

It's easy to own a Super C! Ask your IH dealer about it—you can buy on the Income Purchase Plan. Start NOW to let the Super C and matched McCormick equipment pay for themselves in use.



## INTERNATIONAL HARVESTER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors... Motor Trucks... Crawler Tractors and Power Units... Refrigerators and Freezers—General Office, Chicago 1, Illinois.

### Send coupon for FREE DEMONSTRATION!

International Harvester Co.,  
P. O. Box 7333, Dept. KF, Chicago 80, Ill.

Yes! I'd like to see why the Super C will give me more pull-power, easier handling, a more comfortable ride and greater fuel economy! Please arrange a free Super C demonstration on my farm with.....  
(name of implement)

I'd like to have this demonstration on or about.....  
(Please allow two weeks) (date)

NAME.....

POST OFFICE.....STATE.....

MY IH DEALER IS.....



## PIPER SPEEDS WORK OF NEBRASKA RANCHER

Carl Nichols, above, of Ogallala, Neb. runs 1800 head of cattle on his ranch 70 miles away at Haigler and another 1800 head at Burwell, 140 miles away. "It would be impossible to run both ranches without my Piper Super Cub," says Mr. Nichols. "Only by flying can I visit each ranch two or three times a week for personal supervision or to fly in supplies and men. And because the Super Cub will land just about anywhere it's easy to contact my foremen by landing where they happen to be at the time."

Speeding the work of ranchers and farmers is the daily chore of thousands of Pipers. A safe, economical Piper can help you, too, in many ways. For instance you can:

- Fly for medical help, rush parts or do every-day marketing.
- Check fences, erosion, crops.
- Attend more cattle sales.
- Locate strays, drop salt, direct round-up.
- Give the whole family more chance to see new sights.
- Dust and spray.



And Flying a Piper's So EASY! For full information on all Piper models - Super Cub, Pacer, Tri-Pacer - see your nearest dealer or write for FREE brochure, Piper Aircraft Corp., Lock Haven, Penna., Dept. 6-KF.

**PIPER**  
AIRCRAFT CORPORATION  
Lock Haven, Pennsylvania

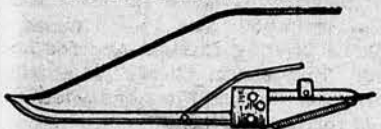
## SAVE TIME, MAKE MONEY Know Value of WET GRAIN

Valuable new 32-page booklet "Evaluating Wet Grain at a Glance" shows fair market price in one easy step. Just \$1.00 prepaid, **MONEY BACK GUARANTEE.**

Write to JOHNSON PUBLISHING CO.  
1135 R ST. LINCOLN, NEBR.

## SAVES GRAIN!

THAT ORDINARILY WOULD BE LOST...



## HINGED TO PREVENT RUNNING INTO GROUND

Kenison Grain-Saving Guard saves grain for Combines, Headers, Binders... High lift raises down grain above sickle to save heads. All steel construction... tough, long-life. Adjustable. Glides over rocks, rough ground. Grain won't stick or clog on spring steel guard bar. Built to save you grain, fuel, maintenance, **MONEY!** Longer than most guards, flexible... easy to attach or detach.

## WRITE TODAY

My implement dealer does not stock your product. Please send me without obligation illustrated literature about the famous Kenison Grain-Saving Guards.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
TOWN \_\_\_\_\_ STATE \_\_\_\_\_  
DEALER'S NAME \_\_\_\_\_

**KENISON GRAIN-SAVING GUARD CO.**  
P. O. BOX 535 SALINA, KANSAS

## Murray Churchill Is New Market Inspector

New fruit and vegetable inspection supervisor for the marketing division of the Kansas State Board of Agriculture is Murray E. Churchill.

Roy Freeland, secretary of the board, announces Mr. Churchill will supervise shipping point inspection work, also will do reinspection work on fruits and vegetables, a new service of the marketing division, providing for official inspection of grade of products shipped into Kansas. The new service is expected to increase materially quality of fruits and vegetables in Kansas trade, and will aid food handlers and consumers in obtaining quality and grade desired.

Mr. Churchill formerly was an inspector in Nebraska, where he covered a 4-state area.



Murray Churchill

## To Revamp Farm in Smith County

A Smith county farm will be "made over" August 7, in one day, to show proper balanced farming on a family-type farm. More than 1,000 painters, carpenters, soil conservationists, farmers, engineers and technical personnel will take part.

Revamping will be on the Hobbs Farm, near Lebanon. The day's proceedings have been designated "a balanced farming day, the hub of America way." Waterways, terraces, a farm pond, contour furrowing and an erosion control dam will be constructed. Soil rebuilding will be started by setting up a proper rotation of crops, fertilizing and establishing a livestock program. A year-around pasture program will be started. A new barn will be built, buildings and fences painted and buildings wired for electricity. The yard will be landscaped, trees and shrubs planted, and the house repaired.

## KANSAS FARMER

Continuing Mail & Breeze

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Three years, \$1; one year, 50 cents. Copy 5c.



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

## -THE OAT CEREAL THAT NEEDS NO COOKING!

Yes ... a ready-to-eat **OAT CEREAL** with a whale of a lot of **GO** power!

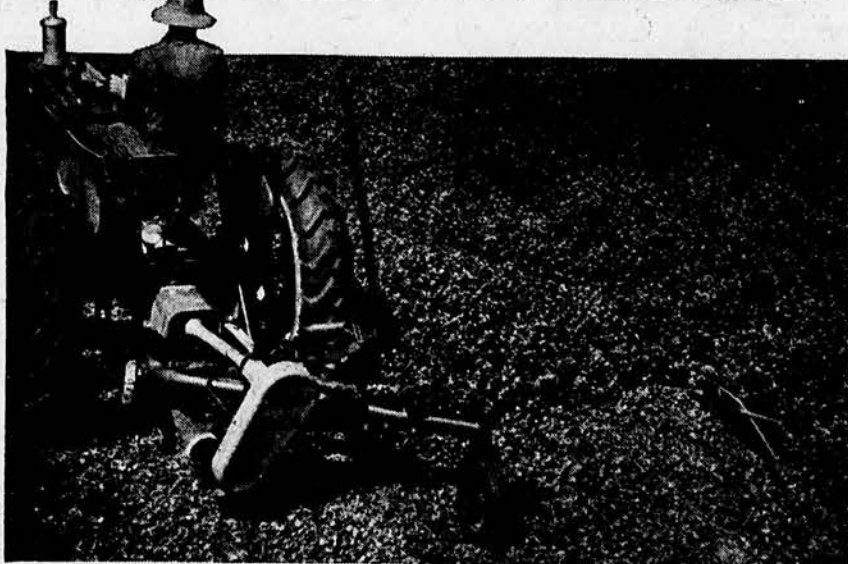
Cheerios, that's the answer to your question: "How can I easily serve my family that grand oat energy they want at breakfast time?" Cheerios is made from energy-packed oats... and no cooking needed. It's the crispy, crunchy, *different* oat cereal... shaped like golden, little doughnuts with a fresh toasted oat flavor. No other cereal has a flavor quite like it! So get a package of delicious Cheerios—the one and *only* famous ready-to-eat cereal made from energizing oats.



IN  
REGULAR  
AND  
FAMILY  
SIZE



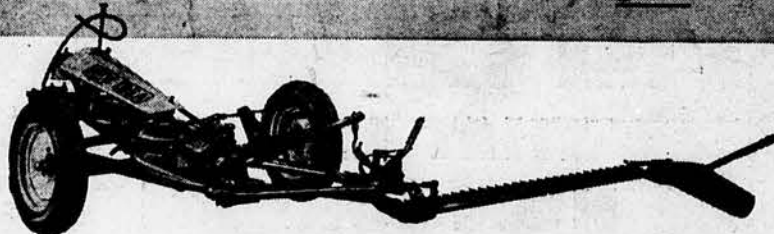
# You can tell a lot by listening to a **NEW IDEA** mower



**NEW IDEA Semi-Mounted Mower.** Two bolts quickly attach this tough, compact mower to drawbar or mounting brackets. Easy to maneuver in

tight spots... easy to move by hand on retractable rollers. Safety release protects cutter bar against breakage from hidden obstructions.

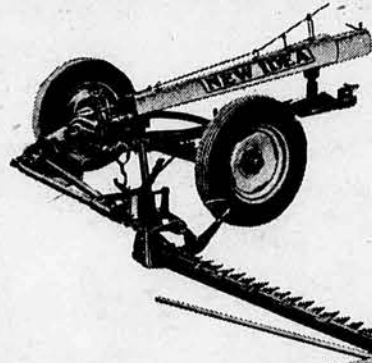
That's why a **NEW IDEA** is a good ideal



**NEW IDEA Hydraulic Lift Trailer Mower.** Allows quick, finger-tip control of cutter bar... holds it firmly in desired position. Tension-type pitman straps eliminate chattering.

Slip the power take-off into gear. Idle your tractor motor and listen to the quiet snick-snick-snick-snick of your NEW IDEA Mower. Then gradually rev up your motor to mowing speed. There's no chattering... no strain noises... no excess vibration... and the snick-snick of the cutter bar blends into a sort of smooth, oily sound. That's the sound that goes with close tolerance, snug-against-ledger-plate sickle sections, correct alignment, and low-friction bearings. When you listen to a NEW IDEA Mower, you know right away that it eats cleanly through the toughest hay like a hot knife through butter.

On watching a NEW IDEA Mower at work, you quickly see that it hitches and unhitches in minutes, tracks straight and true without whipping, and cuts hay on square corners as cleanly as on straight-aways. Stop in at your NEW IDEA dealer's soon, and discover many other features of these compact, built-to-last mowers that put them in a class by themselves.



**NEW IDEA Trailer-Mower.**

Quick on-and-off. Cuts clean on square turns. Tracks straight and true. Main gears run in sealed oil bath.



Mail coupon today for free folders

**NEW IDEA** SUBSIDIARY  
FARM EQUIPMENT CO. **AVCO** MANUFACTURING CORPORATION

Dept. 668, Coldwater, Ohio

Put check mark beside free folders you want:

- |  |  |
|--|--|
| <input type="checkbox"/> Tractor Mowers        | <input type="checkbox"/> NEW IDEA-HORN     |
| <input type="checkbox"/> 4-Bar Rakes & Tedders | <input type="checkbox"/> Loaders           |
| <input type="checkbox"/> Hay Loaders           | <input type="checkbox"/> Corn Pickers      |
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| <input type="checkbox"/> Lime Spreaders        | <input type="checkbox"/> All-Steel Wagons  |
| <input type="checkbox"/> Transplanters         | <input type="checkbox"/> Steel Wagon Boxes |

Name \_\_\_\_\_

Address \_\_\_\_\_

No. 6 in special series telling how scientists at Kansas State College improve your crops

## Great Progress Made With Sorghums But 2 Big Problems Still Unsolved

TREMENDOUS PROGRESS has been made in the field of sorghum production by plant breeders in the comparatively short time since 1920, when the first kafir-milo crosses were made to get a dwarf, combine-type variety.

But Elmer G. Heyne, Kansas State College scientist in sorghum improvement, points out there still are 2 major problems confronting farmers. They need a variety that will grow faster after the seed is planted, and they need to get better stands.

In the 3 decades of work by plant breeders on combine sorghum varieties, principal emphasis has been on dwarf-type grains. However, Atlas, still one of the state's leading forage varieties, was released by Kansas State in 1928 when the first seed increase started. The selection which finally resulted in Atlas was made in the third generation after the initial Sourless-Blackhull kafir cross was made by N. I. Farr, a Stockton farmer.



E. G. Heyne

### This Was First Step

Atlas was the first step to get a white-seeded variety of a later-maturing variety. Norkan, another leading forage variety, was developed to get a white-seeded, earlier-maturing variety. It is a cross of Atlas and Early Sumac and was released in 1940. The 2 other major forage varieties now being grown in Kansas are Axtell and Ellis. Axtell is an early selection from Atlas by J. W. Conable of Axtell, and Ellis is a selection from a Leoti-Atlas cross.

Mr. Heyne, member of K-State research staff since 1938, has seen the selection of the major grain-type sorghums now being grown in Kansas—the grain types are that young. Westland, one of the 3 leading dwarf grain sorghums, was released by Kansas State College in 1942. It is a milo disease-resistant selection from the old Wheatland variety released in 1931. Midland, another leading variety, is a selection from Kalo, which was the result of a kafir-milo cross, thus the name Kalo. Martin, the third major dwarf sorghum in this state, is a selection W. P. Martin, Lubbock, Texas, farmer, made from Wheatland.

### For Western Kansas

These varieties, Mr. Heyne points out, are for the western two-thirds of Kansas. No satisfactory varieties have been developed for the eastern one-third of Kansas where there is need for chinch-bug resistant varieties. Two Oklahoma varieties, 44-14 and Redlan, are being used in Eastern Kansas because of their chinch-bug resistance, but neither is the answer to the area's needs.

Kansas State scientists are trying to develop a variety with stiffer and shorter stalks than 44-14 or Redlan and with chinch-bug resistance.

"We thought we had it once," Mr. Heyne said. "In tests made at Kingman we had a selection that looked as if it would do, but when we planted it in other areas it got taller."

"Anytime we put too much kafir blood in the short types we tend to get

'kafir stretch' and we find ourselves with a tall variety. Some strains that have been selected at Hays will always remain short in that area, but when they are grown at Manhattan they become taller. This is due to environment."

Kafirs must be used, however, in developing sorghums because of adaptation and chinch-bug resistance which the kafirs possess.

That plant breeders in Kansas and adjoining states really "juggled the genes" to produce something entirely new and extremely valuable is attested by the 1951 Kansas record grain sorghum crop. This was done with varieties less than 10 years old.

Nationally, it is figured savings in harvesting cost with combines amount to at least \$20,000,000 annually.

Looking ahead, the Kansas State plant breeder says more attention must be given to industrial uses of sorghums. This is being done by Kansas Agricultural Experiment Station personnel. Millers want a white sorghum seed that isn't too hard. Westland is about right in hardness but has yellow grain.

Dehydration is in the picture, Mr. Heyne adds. The Hays station is co-operating with O. F. Snyder, of Anthony, in developing a higher sugar content variety for dehydration. They are testing selections from an early variety, Collier.

## More 4-H Reporters Enter Contest

Here is a 5th list of 4-H Club reporters who have written *Kansas Farmer* about the 1952 Kansas 4-H News Writing Contest and for one of our "Suggestion Sheets" of stories to prepare. *Kansas Farmer* is now sponsor for the contest.

Reporters and home include: Janice Caspar, Rt. 3, Junction City; Lucille Kidd, Rt. 2, Fredonia; Joan Trimmell, Garnett, and Bernard Hageman, Zenda. Mrs. R. C. Miley, Hoxie, 4-H community leader, also wrote about more information on the contest.

## YOU ARE INVITED...

Fort Hays Experiment Station's Wheat Grower's Field Day will be Wednesday, June 11. An exceptionally fine display of experimental work on crops and grasses will be on exhibit for your inspection. The tour will feature wheat varieties, wheat mosaic work, winter barleys, oat varieties, rotations, soil management, fertilizers, insect control, and spraying for weed control.

There will be 2 tours. Morning tour starts at 9:00 A. M., afternoon tour at 1:30 P. M. Rain or shine, there will be a program, so make your plans now.



TRUE SIDEWARD ACTION

FASTER RAKING SPEEDS

MORE GENTLE HANDLING

RAKES MORE THOROUGHLY



## Revolutionary Ferguson Side-Delivery Rake Does Everything Different and Better!

The unique, 6-bar offset reel of the Ferguson Side-Delivery Rake moves hay in a true side-ward direction . . . gets it to the windrow in half the distance required by ordinary rakes.

It lifts the hay *gently* from the swath . . . takes it in a steadily moving ribbon directly to the windrow . . . delivers it smoothly in light, fluffy masses that cure evenly and quickly. It tucks the rich leaves into the windrow where they are protected from destructive rays of the sun . . . leaves them green and palatable, attractive to stock.

### Rake up to 84 acres in a 10-hour day

Yet, with all of its gentle action, with all the protection it gives to leaves, color, flavor, and food value of hay, the Ferguson Side-Delivery Rake is also the *fastest* rake ever built!

You can rake at speeds up to 10 miles an hour with complete safety and without shattering precious leaves . . . without leaving tangled, dirt-filled windrows. In a ten-hour day, you can rake as much as 84 acres!

### Rake more thoroughly

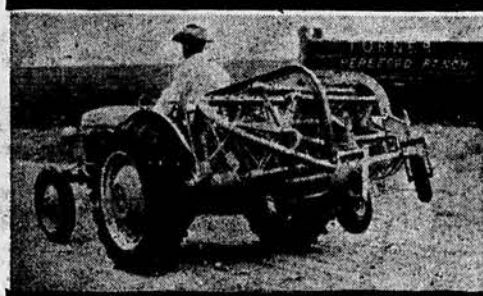
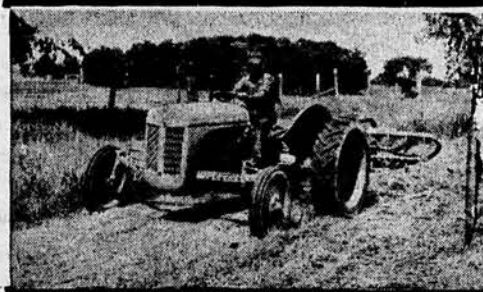
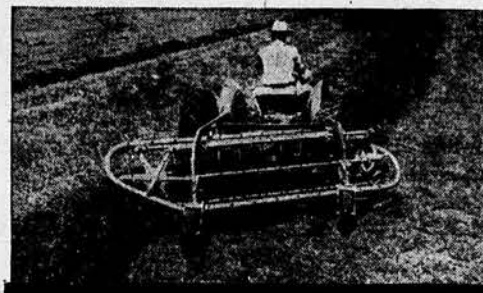
And as for *thoroughness*, you've never seen its equal! In a statement sworn to before a notary public, one Ferguson Side-Delivery Rake owner\* reported that he reraked a field that had already been raked by another type of rake. On this second raking, he salvaged more hay than was gathered on the first raking . . . got enough *extra* hay on his subsequent cutting to pay for his new Ferguson Rake!

Yes, the Ferguson Side-Delivery Rake does everything different and better . . .

### AND FERGUSON DEALERS CAN PROVE IT!

Ask for a "believe-it-or-not" demonstration that will convince you of one thing: *the amazing facts about the Ferguson Side-Delivery Rake are completely true!* Why not get in touch with your Ferguson Dealer right now? You can still do this before haying starts in most places. Your Dealer also has an interesting folder on this rake. Ask for your copy.

\*Name and copy of letter on request.



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# FERGUSON TRACTOR AND 63 FERGUSON SYSTEM IMPLEMENTS





**AT LABORATORY** a uniform amount of milk from each sample is poured into test tube in preparation for ring test.



**TWO MOBILE** and 7 permanent laboratories are used in Wisconsin to handle ring test. Each can of milk from each patron is sampled every 6 months. Accurate recording of sample is done at same time. Samplers work in teams of 2, one taking sample and other recording patrons' cans by patron number.



**A SPECIAL** stained ring test antigen is added to milk sample.



**SAMPLE WITH** stained antigen added then is thoroly mixed so a blue color goes thru entire mixture. Sample then allowed to stand for 90 minutes.

## What Others Do About Brucellosis

By Dick Mann

*Editor's Note: Here is second of a series of educational articles Kansas Farmer is bringing you on what various states are doing to eradicate brucellosis (Bang's disease). This article is on the Wisconsin program.*

**WISCONSIN** is spending more than 2 million dollars to eradicate brucellosis, according to Gov. Walter Kohler, Jr. "Our state alone is spending more on brucellosis eradication than is the Federal government," he says.

Twenty-eight Wisconsin farmers and farm leaders helped work out the new state-wide plan

**Wisconsin is spending more than 2 million dollars to eradicate the disease . . . here are steps taken**

for brucellosis eradication and this plan was made a law by the 1951 legislature.

Here, in brief, is what the Wisconsin plan offers:

1. A ring test for every dairy herd, at state expense, every 6 months. Every dairy herd will automatically be ring tested. This test is run on samples of milk collected at the dairy plant.
2. A blood test, at state expense, for all beef herds and for all dairy herds reacting positively to the ring test.
3. Calfhood vaccination, at state expense, for all dairy and beef herds.
4. Indemnities on reacting animals in herds that qualify for such payments.
5. A chance to work with other Wisconsin farmers in wiping out brucellosis.

Farmers in Wisconsin can operate under one of 2 plans.

**Plan A:** For farmers who have a clean herd or want to clean up soon.

1. The blood test must be run on his herd promptly at state expense when the ring test indicates a reaction. Ring tests will be run every 6 months on all dairy herds.

2. Blood test reactors must be identified and slaughtered within 15 days in compliance with laws and regulations.

3. If a herd is negative to the ring and/or blood test, calfhood vaccination is not compulsory. If brucellosis reactors have been revealed by the blood test, vaccination of all heifer calves between 4 and 8 months old is required—this may be done by a veterinarian of the farmer's choice at state expense.

4. A farmer may change from Plan A to Plan B at any time.

**Plan B:** For farmers who have a high percentage of infection and need to move more slowly.

1. Compulsory calfhood vaccination is required for all female calves between 4 and 8 months old. This may be done by the veterinarian of the farmer's choice and at state expense.

2. Reactors retained in a herd need not be identified.

[Continued on Page 23]



**BLUE RING** in fat at top of tube indicates presence of brucellosis. Such a test reveals condition of animals in milk, does not indicate status of dry cows, bulls, heifers, beef animals.



# Kansas Farmer

News  
and  
Comment



## It's Dairy Month

JUNE IS DAIRY MONTH. Again we are especially reminded of the value of dairy products for human health. Chief sponsors of Dairy Month in Kansas are the dairy division, State Board of Agriculture, and the Kansas State Dairy Association.

Of all "weeks" and "months" that arrive on the agricultural scene, none is more important to health and happiness than Dairy Month. "Nutritious milk and dairy products are a symbol of the health and well-being of the American people in this critical period of world history," comments the U. S. Secretary of Agriculture. "Dependable supplies of these vital foods are now more important than ever to strength and morale of our military defenders and civilian population."

Dependent upon the U. S. dairy industry and its allied industries for livelihood are 10,000,000 Americans. June is an especially proper time to think on this subject, as it is the time abundance of Nature is emphasized and dairy herds achieve their most plentiful and best production. Milk and milk products often are most plentiful in June and are tops in taste and best in nutritional qualities.

Milk does more for the human body than any other known food, and does it cheaply. Slogan for 1952 June Dairy Month is "Good Eating for All Ages." Use more dairy products in your home for better family health!

## Worth Talking About

WITH ONE OF OUR GREATEST wheat crops in the making, wouldn't it be a good idea to tell folks who pass thru the state about it? Tourists now are rolling along our highways at a great rate. Last week the editor took a 1,000-mile swing thru our Wheat Belt, saw dozens upon dozens of out-of-state cars on our highways, answered some wheat questions for interested vacationists.

Here we have—in our wheat crop—one of the greatest assets any state can boast. An outstanding agricultural wonder of the world. But tourists speed along thru this ocean of wheat, little realizing this is the breadbasket of the Nation. Visitors like to know about things to see along their route. For example, signs along the highway leading into Greensburg tell about the largest well and the biggest meteor in the United States. Are folks interested in things like that? More than 70,000 people from all states of the Nation and some foreign countries stopped in to see these wonders last year.

A supply of leaflets for filling station operators and other businessmen to hand out, sign-

boards strategically placed could tell the wheat story at a glance. They could show a Kansas map with our Wheat Belt plainly marked. Information could state: "You now are passing thru the Nation's breadbasket, greatest wheat-growing area in the world." Could point out Kansas seeds around 14 million acres to wheat a year, has produced as high as 286 million bushels, each 2½ bushels of wheat make 90 to 100 loaves of bread, so our total yield will provide daily bread for millions of people.

Visitors carrying such a story all over the country wouldn't hurt the state a bit. And, not incidentally, we could do a job of re-selling our own people on the importance of the Kansas wheat crop.

## You Are Invited

TO SEE ONE OF THE most beautiful sights outdoors, take a drive thru the Flint Hills now. Good excuse will be the afternoon tour in southern Chase county included in the program for a grass management field day, June 13, at the Wayne Rogler ranch, near Matfield Green. The event starts at 9 o'clock in the morning, is a semi-annual meeting of the Kansas-Oklahoma section of the American Society of Range Management. But everyone interested is invited.

Rogler's seed increase project and equipment will be inspected. He has 250 acres in grasses including tall, crested and intermediate wheat; Caucasian, King Ranch, Kaw, and Turkestan bluestem; Reed's canarygrass, Blackwell switchgrass and El Reno sideoats grama.

A discussion on pasture management and a grass sample identification contest will be featured. Talks will be given by Lester Branson, Manhattan, on an appraisal of native grasses, and by Don Atkins, SCS, Manhattan, on use of native legumes in range improvement.

Ed Smith, Kansas State College animal husbandman, and several Flint Hills stockmen, will serve on the discussion panel. Lunch will be served on the grounds.

Stops on the afternoon pasture tour will show a new born fly control method, stock water pond development, deferred grazing, Korean and Serecian lespedeza, a portable spray pen, pasture reseeding, response of a depleted pasture to years of lighter-than-usual stocking, effects of water distribution.

Great chance for a profitable outing!

## Keeping Wheat Pure

KANSAS WHEAT will be docked severely unless it is protected in bins from damage by insects, birds and rodents. There doesn't seem to be any question about this. New ruling by the Food and Drug Administration states specifically such damage to wheat in storage must be eliminated if we expect to sell the grain for food. You can be sure our wheat will be checked closely this year.

This ruling doesn't present any problem that cannot be solved. Wheat growers are saying the idea is O. K. "After all, wheat is food and we want our food clean and pure," they agree.

How can the job be done? Screen out birds and rodents, clean up and spray against insects. *Kansas Farmer* for May 17, 1952, gave on page 8 a very complete set of questions and answers on this subject, emphasizing a 5-point program that will keep your wheat safe and fit for food. Look up that issue. Many of the answers will help you. If you have other questions, remember, your county agent is right on the job with the answers. County agents were telling the editor last week this storage damage can be whipped. So were folks at the

"A colorful life: doing things up brown, treating people white, keeping in the pink of condition, being well read, getting out in the green countryside under the blue."

"Money is the root of all evil; that's why we all try to dig it up."

"Mother, I did too wash my hands. If you don't believe it, just look at the towel."

"The measure of a man's real character is what he would do if he would never be found out."—Macaulay.

"Intelligence is like a river. The deeper it is the less noise it makes."

"Bill Jones said his wife isn't talking to him, and he isn't in any mood to interrupt her."

Army sentry: "Halt, who goes there?"  
New recruit: "You wouldn't know me, I just got here."

About the 2-party system, Will Rogers said: "There would be no living with one of 'em if they knew the other one didn't exist."

Garden City and Hays Experiment Stations. We are fortunate to have such men on the job.

By the way, if there is a 4-H Club member on your farm he probably will know all the tricks about grain protection in bins. The 4-H department at Kansas State College has made a major activity out of grain bin sanitation. Certainly this one of the most important projects to sponsor.

Clif Skiver, director of the Kansas Wheat Improvement Association, is right in the thick of this extra-important job. Said he, "This new pure food and drug ruling, along with a prospect of a big crop which will jam our storage, is certainly going to make this clean-up program all-important."

Let's fire all 5 barrels:

1. Clean up bins.
2. Spray with residual spray.
3. Dry grain or harvest dry.
4. Use protectant or fumigate.
5. Control rodents and birds.

## Toll Roads in Kansas?

THE KANSAS LEGISLATIVE COUNCIL has received for study a proposal to create a state turnpike authority, with powers and duties to develop toll roads.

Proposal No. 27, introduced to the Council by Rep. Herbert Laing, Topeka, was accompanied by a suggested bill for creation of such an agency. The bill is modeled on legislation adopted in several eastern states.

What do you think about toll roads? Write *Kansas Farmer* your thoughts about this proposed state agency.



"Congratulations, Mr. Olsen, You are a father, you are a father and you are a father!"



"... And I figured we could always pick up a stone for it later..."



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\*Philgas is the Phillips Petroleum Company brand name for its high quality LP-Gas or bottled gas (propane, butane).

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### WILL EWES LAMB EARLIER?

Tests by Kansas State College with 1,500 animals show no magic response

WILL USE OF HORMONES help Kansas sheep breeders get ewes to lamb earlier in fall for early spring marketing?

To find the answers, Kansas State College has been conducting tests with about 1,500 ewes in flocks in all parts of Kansas. These ewes included several types of western ewes of different ages, as well as several purebred flocks representing mutton breeds most common in Kansas.

Three hormone preparations were used, including a gonadotropic material made from dried sheep pituitary glands; a synthetic estrogenic material known as stilbesterol, and an estrogenic material obtained from human pregnancy urine.

At least 2 of the hormone preparations, and usually all 3, were used on a portion of ewes in each experimental flock. In addition, a portion of ewes in each flock were left untreated so heat periods and lambing dates of treated ewes could be compared with untreated ewes.

Injections of hormones were made according to instructions given by manufacturers of the 3 products. Estrogenic materials were injected into the muscular region around hip and rump while gonadotropic hormone was given

(Continued on Page 9)



**HERE THE 2 MEN** show how to make subcutaneous injections of gonadotropic hormones to bring ewes into heat earlier.



**INTRAMUSCULAR INJECTIONS** of stilbesterol, or other estrogenic hormones, were made by Donald Bell, left, and Walter Smith, of Kansas State College animal-husbandry department, in sheep flocks all over Kansas to determine whether ewes could be induced to lamb earlier in fall.





**PICTURE SHOWS** how gonadotropic hormones are injected intravenously. All these hormone experiments indicated that many ewes actually may be delayed in lambing.

subcutaneously, as well as intravenously into the jugular vein.

Heat periods were checked as carefully as possible, but because of extreme moisture conditions during early summer, visits to treated flocks were reduced, and data on occurrence of heat following injection of hormones is incomplete.

"It would appear," says Donald Bell, of Kansas State College animal husbandry department, who was in charge of this experiment, "that both estrogenic hormones caused a large per cent of ewes to come into heat within 24 to 72 hours after injection. A study of lambing dates, however, reveals very few of these ewes actually conceived when bred during that artificial-heat period. Only a small portion, perhaps 10 to 15 per cent, of ewes treated with gonadotropic hormone came in heat following injection. Most of these ewes, however, did conceive after being bred during that estrual period."

A summary of lambing performance for both treated and untreated ewes

shows there was little difference in average lambing dates of ewes treated with the gonadotropic material, stillbesterol and those untreated. There were, however, a higher per cent of ewes that hadn't lambed by February 1 in the 2 hormone-treated groups.

Groups of ewes treated with the naturally occurring estrogenic material averaged 14 to 18 days later in their lambing date than untreated ewes, or those treated with the gonadotropic material or stillbesterol.

More discouraging still was the fact that nearly one-half of the ewes in the treated group hadn't lambed by Feb. 1.

Professor Bell, along with Walter Smith, who assisted in supervising the work, say "These tests should certainly indicate to Kansas sheepmen that they cannot expect any magic response to hormone treatment of their ewes. And the tests should also indicate the danger of actually interfering with normal reproductive activity by indiscriminate use of some of these hormone products."

## Milo Is Profitable Turkey Feed

TURKEY GROWERS are in need of an inexpensive source of feed, and grain sorghums are available in most markets at considerably less cost than corn, wheat or oats.

Interesting fact in recent turkey feeding tests at the Garden City branch Kansas Experiment Station was that turkeys did very well on milo, grass and water after 20 weeks old. In feed cost per pound gain, in 6 lots, there was a saving of 6 cents in the lot fed milo, grass and water, over the highest-cost lot, which received milo, wheat

and oats as grains. The feed cost of 11.1 cents per pound gain in the lot receiving milo, grass and water was lowest for 5 years of tests.

According to Prof. L. F. Payne, head of the poultry husbandry department at Kansas State College, "We now have this year's flock of 1,200 Bronze turkeys on feeding trials, and we are feeding whole, pelleted and crimped milo as the principal grains. . . . We have evidence that either pelleting or crimping milo will materially increase the palatability of same."

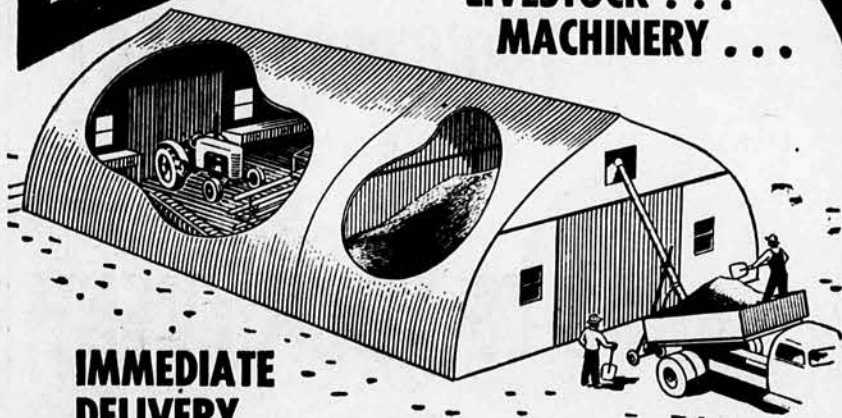
## HOW ABOUT YOUR LIVER?

By CHARLES H. LERRIGO, M. D.

What the liver does and what it doesn't do? What it has to do with gallstones and whether gallstones can be dissolved by medicine? These things were played upon in the old days of quack medicines. In these modern times of vitamins and miracle drugs we still have things to learn about the liver. My special letter, "Hints About the Liver," will be sent to any subscriber sending a request with an envelope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kan. No copies can be sent unless the stamped envelope is received.

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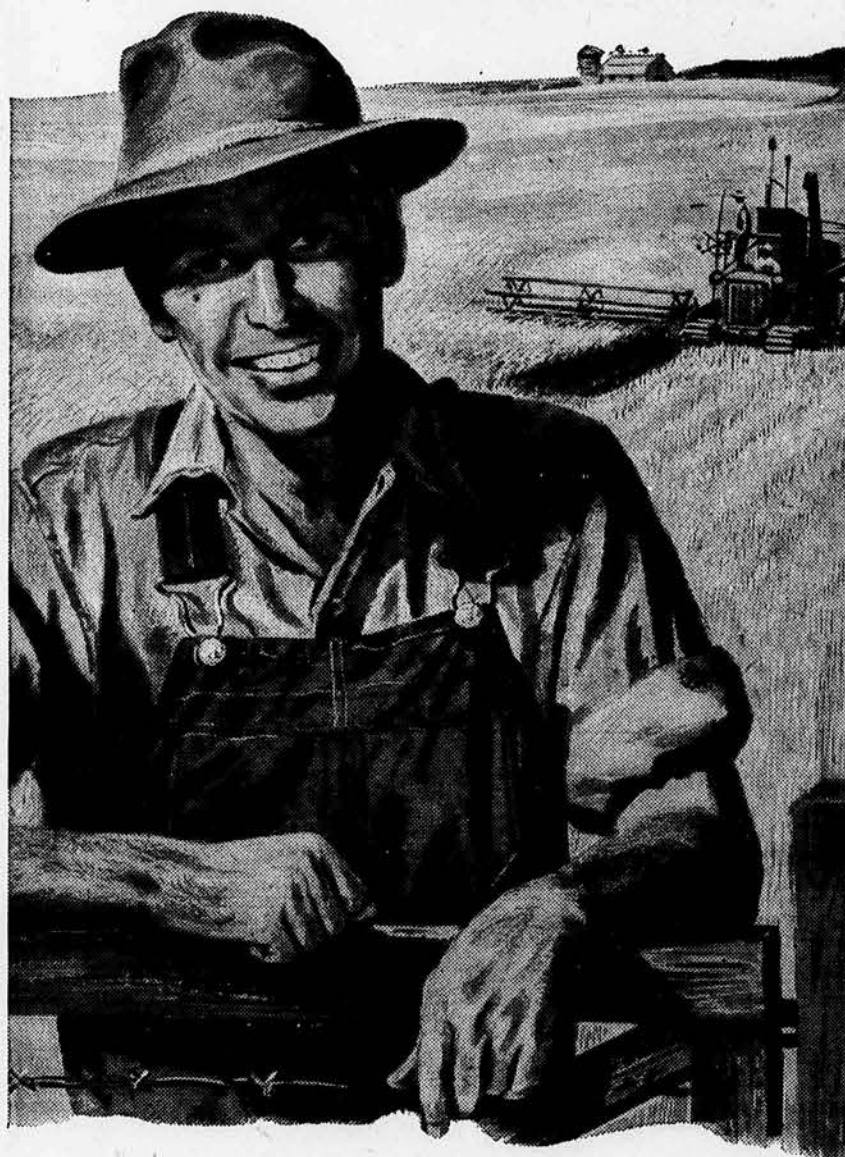
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# "WHEN THIS FARMER GOES TO MARKET HE COVERS A COUPLE OF THOUSAND MILES!"



"Anywhere from Maine to California, families may sit down to eat good bread made from this wheat of mine. That's because we have railroads — to carry my wheat to the mills, and then take the flour anywhere in the country. And in providing this big, wide market for us farmers, the railroads help see that the country's well-fed, too!"

★ ★ ★

The railroad freight car carries the farmer's rich and varied produce to every corner of America, thus giving him a truly nationwide market.

So it's good news for farmers everywhere that today the average freight train is carrying more freight and carrying it faster than ever before! This is a record that surpasses even the peak of World War II by almost 25%.

Of course this record didn't just happen. In the past six years the railroads have spent over 6 billion dollars on improvements and new equipment of all kinds: 400,000 new and better freight cars — 14,000 new and better locomotives — improved tracks, signals, yards and repair shops.

This continuing billion-dollar-a-year improvement program will enable farmers and railroads to do an even better job of supplying America with the food, feed and fibre it needs to stay strong and free!

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You'll enjoy THE RAILROAD HOUR every Monday evening on NBC.

## COMING, NEXT ISSUE

"Their Futures Are Bright" is the subject of the next full-page story in the home department of **Kansas Farmer**. About the school of home economics at Kansas State College, it tells of the great number and variety of job opportunities for graduates in every field of home economics, teaching, home demonstration work, in business, interior decoration, journalism and others. This story will be of interest to all girl high-school graduates who are considering college. Watch for the story in the home department June 21.

No. 2 Article in Series on Thrills of Recreational Spots in Your Own Beautiful Kansas . . .

## These 22 Lakes Now Are Ready for You

By DICK MANN

**Kearny County Lake:** 2 miles east of Lakin, along U. S. 50-S; 3,000-acre lake.

State-supervised fishing and hunting. Day-use facilities are provided for public.

**Kingman County State Park:** 8 miles west of Kingman along U. S. 54; 1,560 acres.

Located in pretty Ninnescah river valley, this park has a 100-acre spring-fed lake that makes it popular for fishermen and picnickers. Commission's game bird habitat nursery and one of state's 2 quail farms located here.

**Leavenworth County State Park:** 3 miles west and 1 north of Tonganoxie, near U. S. 40 and K-16; 506 acres.

Located among wooded hills, this park is heavily patronized. The 175-acre lake receives intense use from fishermen, swimmers and boaters, and picnic areas are popular. Boats can be rented.

**Lyon County State Park:** 5 miles west and 1 north of Reading, near K-99 and K-70; 582 acres.

There are facilities for picnicking, swimming and community gatherings. Most famous for its fishing. Many improvements are being made to further beautify area.

**Meade County State Park:** 8 miles south and 5 west of Meade, on K-23 and K-98; 1,240 acres.

Former site of famous Turkey Creek Ranch. A model of virgin Kansas landscape, with level prairie, rolling hills, marsh, spring, sand dunes, creek, bog, pond, lake and grove. A half-section of game preserve contains bison, antelope and elk, while deer have run of park. Commission's pheasant farm, where about 25,000 are raised annually, is located here, and large fish hatchery also is operated. Fishing, picnicking and swimming are popular pastimes. Boats can be rented.

**Miami County State Park:** 12 miles southeast of Paola, near U. S. 69; 277 acres.

Serves primarily as game refuge and fishing area. Park is located in wooded hills, but not many recreational facilities are available as yet.

**Nemaha County State Park:** 1 mile east and 4 south of Seneca, just off K-63; 760 acres.

A memorial to war veterans of Nemaha county. Has a 356-acre lake. A mecca for family and community gatherings. Fishing, boating, swimming and picnicking available. Boats can be rented.

**Neosho County State Park:** 5 miles north and 3 east of Parsons, near U. S. 59 and U. S. 160; 216 acres.

A picturesque 92-acre lake invites boating and swimming, and good fishing may be found there. Picnicking is favorite pastime.

**Ottawa County State Park:** 5 miles north and 1 east of Bennington, just off K-93 and close to U. S. 81; 711 acres. Facilities available for fishing, picnicking, swimming and boating. Also serves as migratory waterfowl and

game bird reserve. One of beauty spots of North Central Kansas.

**Pottawatomie County State Park:** 5 miles north of Westmoreland on K-11; 100 acres.

A picturesque little lake invites swimming and boating, but this lake is best known for its fishing.

**Republic County State Park:** 5 miles north and 2 west of Jamestown, just off K-28, and close to U. S. 36; 1,064 acres.

A game bird nesting grounds and refuge. The 765-acre shallow lake provides some fishing, but further development is needed.

**Rooks County State Park:** 3 miles south and 2 west of Stockton, off K 1 and close to U. S. 24; 333 acres.

A 67-acre lake affords good fishing and invites boating and picnicking. A stone shelter house has been completed and trees and shrubbery have been planted.

**Scott County State Park:** 12 miles north of Scott City, just off K-83, 1,280 acres.

Three hundred feet below the cap rock of its wind-carved and water-torn canyon walls sets a meandering, 115-acre lake, known far and wide for its fishing. Along floor of valley gush many springs. Rock gardens, foot trails, high points of vantage and western hospitality make this park one long to be remembered. A new stone shelter house has been built and many picnic and camp sites are available. Swimming and boating are popular. Boats can be rented.

**Sheridan County State Park:** 2 miles east of Quinter on U. S. 40, and 4 miles north on county road; 436 acres.

A dam across Saline river impounds 124-acre lake, which provides good fishing. Boating, camping and picnicking may be enjoyed here.

**Woodson County State Park:** 5 miles east of Toronto, just off U. S. 54; 445 acres.

Wooded hills, with a beautiful 179-acre lake, provide a restful and interesting park. Huge boulders, covered with an accumulation of century-old moss, large natural sandstone basins, and small natural bridges add to general appeal. No fishing here until a restocking plan is completed late in 1952 or early 1953. Boating, picnicking and camping are popular.

Two federal reservoirs also are available now. The Kanopolis reservoir, which has a 3,550-acre lake area, is located 19 miles west and 16 south of Salina. Fishing, boating and camping are popular. Boats can be rented. An airstrip is available for fliers.

Fall River reservoir, with a lake of 2,600 acres, is located 4 miles north-west of Fall River. Fishing, boating and camping, with boats for rent.

## Paint Window Box

Before putting dirt into your window box, whitewash the inside and it will last longer.—O. M.





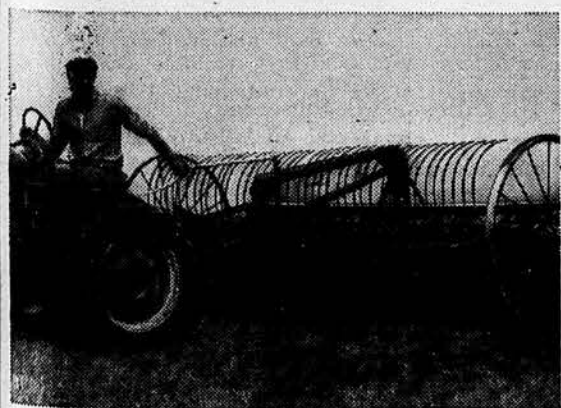
# "I saved \$500<sup>00</sup> handling hay the FARMHAND WAY!"

"200 TONS OF HAY at a \$2.50 saving on each ton! That's what the Farmhand Method of hay handling did for me!"

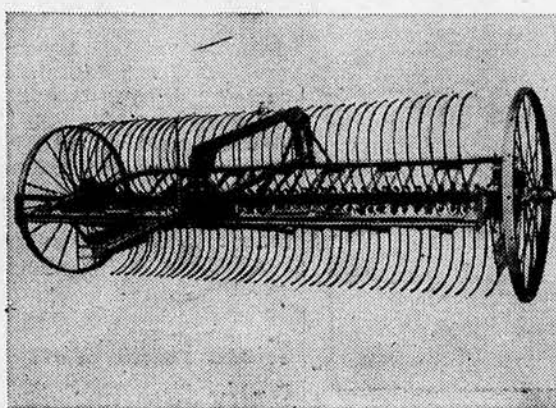


**WE STACKED 5 to 7 TONS AN HOUR**, using our Farmhand Loader with Hay Basket and Push-Off. Stacking time and labor costs per ton were over 50% less than last year, when we used another type of mechanical stacker, and it took us  $\frac{1}{3}$  less days to put up the same amount of hay. Farmhand Haying is profitable haying!

**JUST TWO MEN**, one on the tractor and one on the stack, are all it takes! We topped our stacks at 27 feet and the hay kept beautifully—with a much higher content of high-protein leaf. When I add what my Farmhand Loader—with Grapple Fork—saved me on feeding costs last winter, it's paid for already!



**FAST RAKING** means beating the weather—plus lower costs all the way. My new-type, double-action Farmhand Rake windrows or bunches at top field speeds. Makes neat, tight windrows *automatically*. Works equally well with truck, jeep, or tractor. Operates well on rough ground.



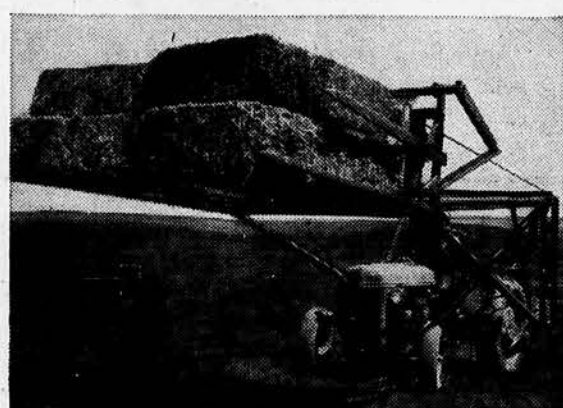
**COMPLETELY AUTOMATIC** and lightning-fast, the extra set of raking tines on Farmhand Rake swoop over and down when the trip is pulled—begin raking exactly 85" past the point where dumping started. Smooth "cart-wheel" action leaves no tangled hay, no unraked "tail".



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**FOR BETTER CHOPPED HAY** I stack with my Farmhand and Forage Fork attachment. This quick, convenient Farmhand method saves the most valuable part of my hay, the finely chopped high-protein leaves—speeds up unloading and stacking—keeps my wagons busy.



**BALED HAY HANDLING** is fast and easy with a Farmhand Loader. One man sweeps up 10 to 12 bales at a time as fast as the baler turns them out—transports them—then stacks or loads with effortless hydraulic power. Cuts bale-handling labor costs 25%.



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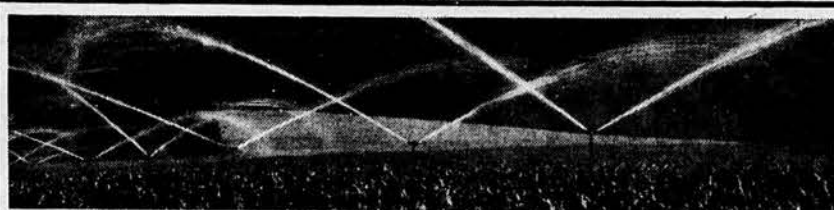
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## KSC Announces Several Changes In Agricultural Staff July 1

NEW DEAN of the School of Agriculture at Kansas State College and director of the Kansas Agricultural Experiment Station is Dr. A. D. "Dad" Weber, formerly associate in these duties. Appointment is effective July 1. Dean R. I. Throckmorton retires on that date. Dr. Harold Myers, head of agronomy department, becomes associate dean and assistant director to Doctor Weber.

Other changes include Prof. C. P. Wilson, who will become assistant dean, and Dr. R. V. Olson, to become head of agronomy department.

### Cut Losses, Increased Yields

Leo E. Melchers, after 39 years as instructor, research worker and administrator of the department of botany and plant pathology, asked to be relieved of administrative duties. He will devote his time to teaching, research and writing. His successor has not been named. Thru Professor Melchers' leadership Kansas, Oklahoma and Texas developed milo disease-resistant sorghums that could be grown on badly-infested land. Results of his research on wheat smut control have cut losses tremendously, and increased yields. His most recent work is studying control of wheat mosaic. He believes Kansas State College will become a leading center of wheat mosaic research in the United States. Professor Melchers has led the way in controlling potato diseases, also. His later work with cereal and forage crop disease control made him an authority in that field. He became the first American scientist to be invited by the Egyptian government to fill an important post there—as chief mycologist, from 1927 to 1929. He has written over 100 scientific articles.

### Widely-known Cattle Judge

Doctor Weber, native of Muscotah, is the best-known cattle judge in America. He has been associated with the agricultural staff of Kansas State College for many years, as has Doctor Myers, a native of Netawaka. Professor Wilson is a native of Meade. Doctor Myers, president-elect of the American Society of Agronomy, is one of the best-known agronomists in America. Professor Wilson, who has completed nearly all work for a Ph.D. degree from University of California, has done special research on marketing of farm products. The 3 Kansans all took their bachelor degrees from Kansas State College. Doctor Olson, native of North Dakota, was educated at North Dakota State College and University of Wisconsin. He joined the faculty at Manhattan in 1947, has done special research on soils and soil testing.

All changes and appointments are effective July 1.

## These Folks Won Dairy Judging

Reports are beginning to come in on Kansas Farmer dairy-judging contests, held in connection with various spring district dairy shows. Results of the dairy-judging contests reported to date are as follows:

### Guernseys

**Southeast Kansas:** Roy Neher and Lyle Neher, Oswego, tied for 1st; Arnold Gobetz, McCune, 3rd; Meredith Barrogar, Oswego, 4th, and Merle Muller, Humboldt, 5th.

**Central Kansas:** Howard Zook, Rozel, 1st; Dexter Weir, Clay Center, 2nd; Mrs. Wm. Odgers, Salina, 3rd; Mrs. Dexter Weir, Clay Center, 4th; Arden Schartz, Rozel, 5th.

**Northeast Kansas:** Maude Kreider, Horton, 1st; Mrs. Harvey Buhler, Mayetta, 2nd; Mrs. Alva Lewis, Severance, 3rd; Mrs. Carl Olson, Willis, 4th; W. V. Redding, Holton, 5th.

**Kaw Valley:** Mrs. E. E. Graham, Rt. (Continued on Page 13)



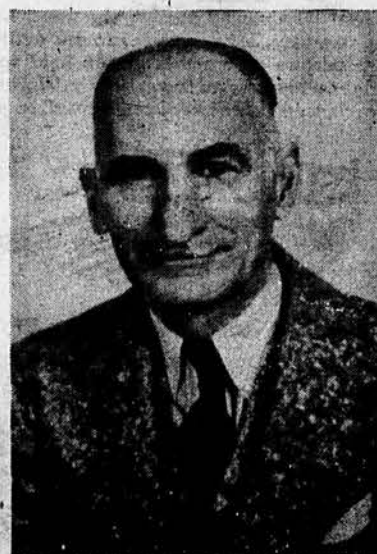
Dr. A. D. Weber



Dr. Harold Myers



Dr. R. V. Olson



Prof. L. E. Melchers



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Follow the lead of thousands of farmers... use Snowflake Hydrated Lime to dry and neutralize poultry litter. Save work... improve egg hatchability. Ask your local hatchery or county agent about built-up litter methods... then see your local building material dealer for Snowflake Hydrated Lime, and information about using it in litter and for many other purposes.

10 and 50  
lb. bags

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**Snowflake**  
HYDRATED LIME

## NOW— Fixin' is Fun!



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10-W  
\$2.60

**WISE-  
GRIP**  
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**LOCKS to work  
with TON-GRIP!**

Remains locked with hand removed

All those fixin' jobs about the farm can be done easily, quickly done with a Vise-Grip, the tool that Makes You Handy! Locks to the work. Can't slip. Clamps, turns, twists, pulls, cuts. Actually is a pipe-wrench, super-pilers, end-wrench, locking-wrench, toggle-press, vise all in one! The one tool you'll use... Use... USE! Favorite of mechanics, everywhere! 7" and 10" with or without cutter. Get yours today, plus an extra for your car.

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## STURDY *Economy* WOOD GRAIN BINS



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AVAILABLE IN 7 SIZES  
800 Bu. to 2,700 Bu. Capacities  
Write for Free Descriptive  
Literature Today!

**Economy HOUSING CO.**  
WABOO, NEBRASKA

1, Topeka, 1st; W. R. Ransom, Jr., Homewood, 2nd; Eldon Hoyt, Homewood, 3rd; John Higgenbottom, Burlington, 4th; E. E. Graham, Topeka, 5th.

**Southern Kansas:** Jacob Wiebe, Whitewater, 1st; John Nelson, Wichita, 2nd; E. D. Hershberger, Newton, 3rd; Mrs. Ernest Adams, Newton, 4th; Tim Hershberger, Newton, and H. H. Heibert, Hillsboro, tied for 5th.

### Milking Shorthorn

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**Southeast District:** Mrs. Marvin Ambrose, Fredonia, 1st; I. R. Crumrine, Galesburg, 2nd; L. C. Merrill, Garnett, 3rd; Wiley Fortner, Fredonia, 4th; Carl Berkemeier, Thayer, 5th.

**Northwest District:** John A. Yelek, Rexford, 1st; Leslie Dible, Rexford, 2nd; Edward Wolf, Quinter, 3rd; Louis H. Berens, Collyer, 4th; Walter W. Stroyek, Edson, 5th.

**Southwest District:** Roland A. Schmidt, Pawnee Rock, 1st; Walter Otte, Great Bend, 2nd; Ralph A. Hager, Englewood, 3rd; Myron Brensing, Stafford, 4th; Mrs. Jackie F. Brensing, Hudson, 5th.

**South Central District:** Mrs. Orville Field, Hutchinson, 1st; Gerald Proffitt, Sterling, 2nd; Harold H. Goering, Moundridge, 3rd; J. Hobart Goering, Moundridge, 4th; Pete Loewen, Hillsboro, 5th.

**North Central District:** Chester H. Rolfs, Lorraine, 1st; Gordon L. Jansen, Bushton, 2nd; Chas. Dalquest, Wilsey, 3rd; Mrs. V. W. Koetkemeyer, Dorrance, 4th; Elmer Anschutz, Wilson, 5th.

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**Northeast District:** Tonnes Torkelson, Hiawatha, 1st; H. C. Olsen, Everest, 2nd; Kenneth Knudsen, Horton, 3rd; L. B. Strahm, Sabetha, 4th; Mrs. Herman Torkelson, Everest, 5th.

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**Southeast District:** Leo Fickel, Earleton, 1st; LaVerne Modesitt, Thayer, 2nd; Alfred Schuetz, Coffeyville, 3rd; Leo Goodwin, 4th; Clarence Reimer, Hartford, 5th.

**West Central District:** Roland Bircher, Ellsworth, 1st; Robert Bowman, Larned, 2nd; R. L. Evans, Hutchinson, 3rd; Edith DeWerff, Ellinwood, 4th; Eugene Franklin, Hutchinson, 5th.

**Central District:** Lowell Ewert, Hillsboro, 1st; Elmer Klassen, Hillsboro, 2nd; Mrs. Elmer Dawdy, Salina, 3rd; Paul Epp, Hillsboro, 4th; Richard Balzer, 5th.

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**Ark-Valley District:** Eldon Goering, Newton, 1st; Dale White, Newton, 2nd; J. C. Neece, El Dorado, 3rd; Clarence Zarnowski, Halstead, 4th; T. V. Pickett, Rose Hill, 5th.

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**South Central Parish:** Mrs. John Weir, Jr., Geuda Springs, 1st; Gene McKee, Nickerson, 2nd; John Weir, Jr., Geuda Springs, 3rd; Frank Rigg, Leon, 4th; Elton Young, Cheney, 5th.

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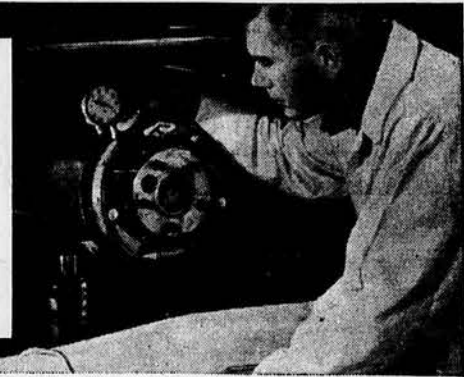


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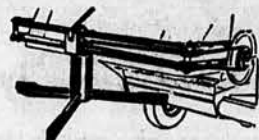


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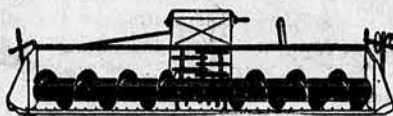
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## Wheat Mosaic Studies at Manhattan May Solve Big Problem

KANSAS EXPERIMENTAL work on wheat mosaic control is receiving impetus with new equipment and personnel. There are various types of mosaic disease attacking wheat, but worst is the western, yellow-streak mosaic. It cost Kansas farmers an estimated \$30,000,000 in losses in 1949.

Construction of a new wheat mosaic greenhouse has begun on Kansas State College campus to aid in solving serious problems. The 1951 state legislature appropriated \$60,000 to build a specially-designed greenhouse for research on all phases of wheat mosaic. As more funds become available, all control equipment essential for the research will be added.

The largest staff in the history of the state is studying pest problems now. Some of the scientists make trips over Kansas to gather insects for tests. Live mites, insects, aphids and leafhoppers are collected to use in transmission-of-mosaic tests at the college and to check on wheat mites, insects and diseases.

Early this spring a relatively mild

soil-borne mosaic disease that caused yellow and brown spots appeared in wheat fields in Southcentral and Eastern Kansas. This type of mosaic has caused little damage in past years.

In mid-May a new electron microscope was installed at Kansas State College, which may be the key to unlock the door guarding the clues needed to solve mosaic problems. The new, powerful microscope has a range of from 1,000 to 100,000 diameters in maximum magnification, is a new tool which promises to contribute much to solving basic problems. Scientists will be able to inspect areas of specimens only 1/250,000,000th of an inch in size!

Kansas State College officials state, "We are directing all scientific means to solve these virus wheat diseases in hopes control methods for both western and eastern types of mosaic will become possible."

Results of these studies no doubt will mean many more millions of dollars will be saved in wheat losses yearly, in Kansas and other wheat areas.

## We Get Started on Eastern Trip To Visit Dairy Herds, See Sights

By DWIGHT E. HULL

SUNDAY, APRIL 27, I drove to Arkansas City where W. H. (Bill) Hardy and his wife, Flossie, had bag and bundle packed ready to join me for a trip East. They have a fine dairy herd so were eagerly anticipating a chance to visit dairy farms and farmers of the East and South, as well as many places we had dreamed of seeing some day.

Since Bill and Flossie have a son-in-law and I a son as partners in our dairy business, we had little misgivings about taking our leave for a few weeks. We were confident production would be maintained, fresh heifers would be cared for, corn would be planted, and in general the wheels would go around as well without us, as with us.

Nature always is wonderful and fascinating, but seldom more beautiful than after a few warm days following soaking spring rains. Dairy talk soon was in the background as we became thrilled at the beauty of the trees, flowers, birds, grass, streams and lakes. How could it be so beautiful and wonderful this day, when only a few short days before all nature seemed to be asleep? Wild verbena that grows so prolifically along the roadside in Southeastern Kansas was first to attract our attention. There wasn't just one now and then as we see in Butler county, but great beds of them along the road banks.

### Followed the Dogwood Trail

We had scarcely caught our breath from the thrill of seeing wild verbena, redbud trees in full bloom, the familiar oak, walnut, hackberry trees in full spring dress, the green lawns and pasture, when the splendor of the big white blossoms of the dogwood greeted us. So we took up the trail of the dogwood and the redbud. These 2 rare beauties of nature were ever present. They seem to have a way of placing themselves in the landscape, always attractive, always supplements to other trees, shrubs and flowers, hills, mountains and streams in order to bring out the beauty and grandeur of them all.

The trail of the dogwood and redbud led us on past Lake of the Ozarks into Illinois, Indiana and Ohio for miles upon miles of wonderful farming country, fine, well-kept homes; large, neatly-painted barns, silos, and rich-looking soil. By this time we had begun to catch our breath from the fascination of the sheer beauty of things.

"Bill," I said, where are all the dairy cattle? I know there are lots of them in this country, but I have seen only a few now and then."

We soon stopped at a good dairy herd we knew about; and got our answer, as we found the dairy cows all in the big barns we had been seeing. "When do you turn on pasture?" was almost our first question. "Not before May 1, and as soon after May 1, as weather will permit," was the reply. So all cows, calves and heifers were in the barn, usually turned out each day for an hour or so while the barn is being cleaned.

### Barn Equipment Popular

Very seldom a corral around the barn as we have here, no manure piles, no feed bunks, nor even a lot of machinery sitting around. No wonder we felt the barns were unused and there were no cattle. Feed is all in the barn and cattle, of course, receive all their feed while in stanchions or box stalls. Here we saw our first barn cleaner in operation. Such equipment is very popular in this country as it saves a tremendous amount of labor. A motor operates the cleaner and all litter and manure from gutters are placed into the manure spreader by this mechanical means.

Our next stop was Brooklea Farm, owned and operated by Ray Dellinger and his wife. We had written Ray, who is a friend of ours, we were coming. His directions to reach his farm were turn left on Amity road about 10 miles west of Columbus, Ohio, and drive about 8 miles. A name for a country road seemed strange to us. We soon learned all roads in that country have names just as our city streets do here, and they have house numbers, also. Mr. Dellinger's address is 3844 Amity road.

We arrived at Brooklea Farm about 2 p. m. and went directly to the barn and found the cows lying down in their

(Continued on Page 15)

## Fertilizer Information

The booklet, "Fertilizer Handbook," published by Thurston Chemical Company, includes general fertilizer suggestions for various areas, and answers questions you might have on the subject. It is free. Write for your copy to Farm Service Editor, Kansas Farmer, Topeka.



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stanchions, after having had their fill at their noon feeding. We enjoyed seeing this good herd, and especially the daughters of Ray's young herd sire that are in production. They are producing well and no doubt will prove the reproduction ability of the sire.

We saw our first ladino clover field and some grass silage made from this field last year. Since grass silage is close to our hearts we asked many questions. Farmers here have used grass silage much longer than we have, and apparently never expect to be without it again. One field of about 10 acres of ladino and orchard grass filled a 14 by 40 silo from one cutting last year, according to Mr. Dellinger. His preservative was corn and molasses. He took his ear corn to town and had it ground cob and all and mixed with molasses. Getting in the mixture about 10 per cent molasses. He used about 200 pounds to the ton of silage. The silage was a rich, greenish-yellow color with a real silage odor, not a bit of the rancid odor we often hear about in connection with grass silage.

#### Doing a Big Business

Mr. Dellinger took us to visit the Central Ohio Artificial Breeding Association, one of the oldest and largest in the East. It is a co-operative owned by farmers of Central Ohio. Each county or community has a local organization and they elect a director to the association. We were much impressed with the efficiency of this establishment. Semen is collected in the evening and reaches all inseminators in fresh condition next morning.

Nearly 30 per cent of all dairy cows in this territory are bred artificially; 21,000 cows had been bred to one Holstein bull we saw among others. This bull had been in the stud since 1947.

An interesting sidelight here was our first observation of a glass-lined, airtight silo. Silage is taken out by a mechanical unloader operating from the bottom of the silo. Valves at top of silo keep air pressure on inside and outside equalized.

Advantages of this type silo are you can feed as much or as little at a time as you wish without any spoilage, and you can fill as much or as little at a time as you care to without any spoilage. In other words, if you have a load or two you want to ensile it can be put in the silo regardless of amount already in and get no spoilage.

#### Travel Pennsylvania Turnpike

Late in the evening we again picked up the trail of the redbud and dogwood and next day pressed across that northern part of West Virginia that sticks up between Ohio and Pennsylvania. We were soon on the Pennsylvania Turnpike. The road where they have torn down the mountain peaks and filled up the canyons to make a 4-lane highway, you drive unhampered from side traffic and go as fast as you wish. A wonderful way to cover the miles and make time, but not so good for discovering methods of farming.

Here we got our first view of farmers actually farming mountainsides. Thru here there seemed to be no level ground, and slope of fields was great.

Since our route took us near Gettysburg, we had a desire to see the place Abraham Lincoln delivered his famous message. We were not at all sorry we made this side trip, as none of us had any idea of the vastness of the historical setting that has been so well preserved. The trip around and thru the grounds of the battle of Gettysburg was 16 miles and took more than an hour. Altho we had an official guide to point out various places of interest, we realized we were only able to take in a small portion of the largest national shrine in America. Reluctantly we left this beautiful historical place determined to reach our hotel in Baltimore, Md., where we were to attend the national meeting of the Ayrshire Breeders Association.

Next day was a conducted tour to Beltsville, where the USDA experimental farms are located. I will tell you about this in the next issue.



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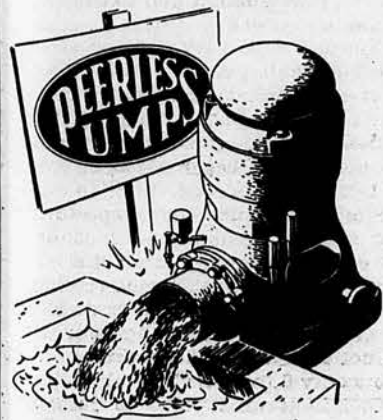
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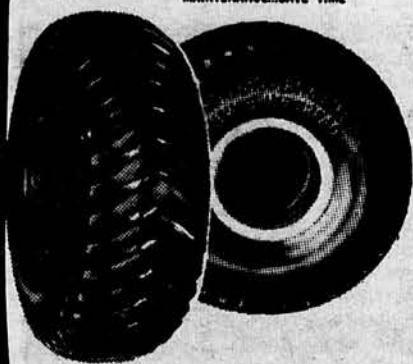






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most all flower shows and fairs have large classes of entries for Zinnias. Cut blooms early in the morning with nice long stems while the dew is still on them, and plunge at once in a deep bucket or pail of cold water and put in a cool place so they get well soaked with water. If there should be no dew that morning, then just sprinkle cold water on the flowers and foliage, too. Be sure to let them set in a cool place for an hour or so before you arrange them.

**Editor's Note:** This Zinnia article is the end of Mr. Payne's series for this season. He is going to be quite busy from now on taking care of flower, berry and peach crops this summer that look real promising. Maybe next winter he will get his old typewriter oiled up and pound out some more articles on flowers you can grow around your farm homestead.

If your flower club ever needs someone to give a talk on flowers, or if you should need an out-of-town judge at your flower show or fair, just write all the details in care of *Kansas Farmer*, Topeka, Kan. Maybe Mr. Payne can take off a day and give you some help on this problem.

## A Measles Year

By CHARLES H. LERRIGO, M. D.

THIS IS A MEASLES YEAR. In general, the important duty of watching the child when measles epidemics break loose devolves upon the mother. At such times of exposure watch carefully for symptoms of cold with running nose, inflamed eyes, slight cough. Keep the child indoors at first suspicious symptoms and remember the eruption does not show until 3 or 4 days after early symptoms appear. A doctor or nurse looking inside the mouth may see the spots a day earlier than the skin eruption comes. You probably will observe the red spots first on the face around mouth and chin. Then they break loose over trunk, arms and legs and purplish red spots may run together so the child's body is well covered.

It is true the child with measles should be protected from strong light and chills but do not let your anxiety make bad matters worse. Don't heap on covers, with the idea of "bringing out the rash." In a room of about 70 degrees let the covering be light and the child comfortable. Light need not be excluded, but as the patient's eyes are sensitive and inflamed protect against strong light glaring right in the eyes; use shades or screens. It is even permissible to give a warm sponge if the little one is restless.

### Keep on Light Diet

Even in a mild attack the patient should be kept on light diet and may have cool water to drink as desired. Ice cream is acceptable in moderation.

German measles (doctor's name Rubella) often runs in epidemic form at the same season. But there is no relation between the diseases. In general, Rubella is a very mild disease—the child unwilling to stay in bed and able to take regular meals. Bear in mind an attack of this type gives no protection against true measles.

A word about the case of genuine measles that goes wrong. The usual case makes quick recovery and, in 3 days after the eruption, feels ready for anything. Right here is where the watchful parent says "No," especially if the season is one of chills and rain. Membranes of throat, bronchial tubes, lungs and eyes are seriously affected by any attack of measles. Time is needed for good recovery. The child must stay quiet in bed until the doctor gives release. Many a chronic bronchitis has spoiled the activity of boy or girl because of exposure to severe weather before ready. Even now, when measles ends fatally, the most likely cause of death is pneumonia. A cough following an attack of measles must be given immediate attention by your doctor.

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**RED STAR** Special Active **DRY YEAST**

Senior winner, Grand National Baking Contest, Waldorf-Astoria, Rena Giblin, Buffalo, New York



### SUNDAY BEST SWEET ROLLS

BAKE at 400° F. for 10 to 15 minutes. MAKES about 2 dozen rolls.

DISSOLVE 1 package RED STAR Special Active Dry Yeast (or 1 cake Red Star Compressed Yeast\*\*) in ¼ cup warm water (110° to 115° F.). SIFT TOGETHER 2½ cups sifted Pillsbury's Best Enriched Flour\*, ¼ cup sugar, 1 teaspoon salt. CUT IN ½ cup butter until particles are the size of small peas. ADD 1 cup creamed cottage cheese, 1 egg and the dissolved yeast; mix well. ROLL OUT dough on well-floured board to a 14-inch square. COMBINE 3 tablespoons melted butter, ¾ cup brown sugar, ¼ teaspoon salt,

½ teaspoon almond extract, ½ teaspoon vanilla, ⅔ cup chopped nuts; spread over dough. ROLL as for jelly roll. Cut or "tie-off" with strong thread into ½-inch slices; place cut-side down on greased baking sheet. LET RISE in warm place (85° to 90° F.) until double in bulk, about 1½ hours. BAKE in moderately hot oven (400° F.) 10 to 15 minutes.

\*If you use Pillsbury's Best Enriched Self-Rising Flour, omit salt.

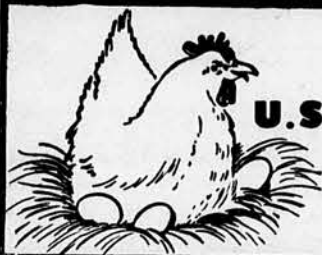
\*\*If compressed yeast is used, dissolve in ¼ cup lukewarm water.

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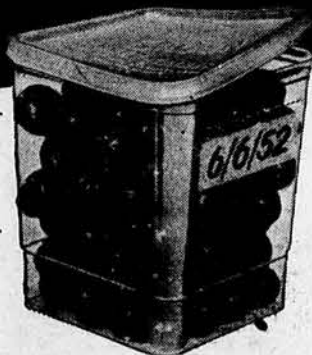


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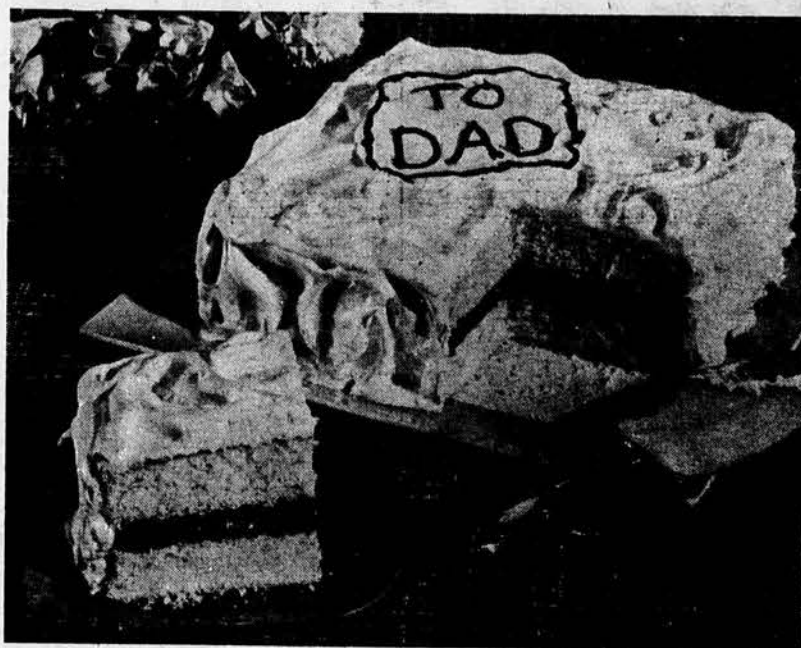
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Division of Crown Cork & Seal Co.  
St. Louis 15, Missouri

## THE RECIPE CORNER



TO DAD lettered on his cake will make the dinner a real celebration.

HERE'S WHAT we suggest for Father's Day... all his culinary favorites ending with an easy-to-make white cake, filled with a rich chocolate filling and covered with mounds of fluffy frosting.

Fried Chicken  
Mashed Potatoes Green Snap Beans  
Buttered Rolls  
Crisp Garden Salad  
Dad's Day Cake  
Drink

Use a white cake mix and combine according to instructions on the package. Spread the following chocolate cream filling between the layers and frost top and sides of cake with 4-minute frosting.

### Chocolate Cream Filling

3 squares unsweetened chocolate  
1½ cups milk  
¾ cup sugar  
4 tablespoons flour  
½ teaspoon salt  
1 egg, slightly beaten  
1 tablespoon butter  
1 teaspoon vanilla

Add chocolate to milk. When chocolate is melted, beat with rotary beater until blended. Combine sugar, flour and salt; add gradually to chocolate mix-

ture and cook until thickened, stirring constantly. Then continue cooking 10 minutes, stirring occasionally. Pour small amount of mixture over egg, stirring vigorously. Return to double boiler and cook 2 minutes longer, stirring constantly. Add butter and vanilla and cool. Makes enough to spread thickly between 2 layers of cake.

### Four-Minute Frosting

1 egg white, beaten  
¾ cup sugar  
dash of salt  
3 tablespoons water  
1 tablespoon light corn sirup  
½ teaspoon vanilla

Combine egg white, sugar, salt, water and corn sirup in top of small double boiler or small bowl. Beat with rotary egg beater or electric beater about 1 minute or until thoroughly mixed. Cook over rapidly boiling water, beating constantly with rotary beater or at high speed electric beater for 4 minutes, or until frosting will stand in stiff peaks. Stir frosting up from bottom and sides of pan with rubber scraper. Remove from boiling water. Add vanilla and beat 1 minute or until thick enough to spread. Makes 2 cups frosting or enough to cover top and sides of 9-inch cake.

## BOOKS ON REVIEW

### Strange Lands and Friendly People

This new book by Justice of the Supreme Court William O. Douglas covers the latest information about conditions in the Near East. In the summers of 1950 and 1951, Justice Douglas and his young son, Bill, traveled extensively in Syria, Jordan, Saudi Arabia, Iraq, Iran, then went on to Pakistan and India.

In the foreword, Justice Douglas writes, "Revolutions are sweeping Asia. These revolutions, though often encouraged and directed by intellectuals, spring from the peasants. This is nothing new... they are on the march... a part of a historical process." This gives one a taste of what is to come to the reader.

For a clear, simple account of what he saw and heard, we recommend this book for your fireside reading.

In the closing summary the writer says, "There are rumblings in every village from the Mediterranean to the Pacific. A force is gathering for a mighty effort. Communists exploit the situation, stirring every discontent and making the pot boil. The revolutions which are brewing are not, however, Communist in origin nor will they end even if Soviet Russia is crushed thru war. The revolutionaries are hungry men who have been exploited from time out of mind. This is the century of their awakening and mobilization."

Strange Lands and Friendly People

is published by Harper and Brothers, New York City. Go to your local library, your bookstore or write directly to the publisher.

### Queen of Cowtowns Dodge City

Stanley Vestal, research professor and director of courses in professional writing at the University of Oklahoma, is author of this new book, "Queen of Cowtowns, Dodge City." Here is the colorful truth about that rip-roaring cowboy capital, Dodge City, the military post, the booming camp of the buffalo hunters and the greatest cattle market in the world. Published by Harper and Brothers, New York City. Price \$3.50. See your local library or bookstore.

### Well Preserved

That's the title of a brand-new booklet which contains recipes for jellies, jams, preserves, conserves, marmalades, relishes, pickles. You will like it, for all recipes have been carefully tested. Suitable for all summer and fall preserving. For a copy send 3 cents for "Well Preserved" to Home Service Editor, Kansas Farmer, Topeka.



# Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



**WIND TWILL TAPE** around the cross wires in a figure eight. Then pull the tape tightly and continue winding in same direction.

## They're Attractive

... and it's thrifty to  
make your own lamp shades

By MILDRED FLOTTMAN

**I**F YOU'RE tempted to throw away that old lamp shade and buy a new one, don't! Or at least don't throw away the frame. It can be used as the starting point for a brand-new, inexpensive lamp shade that will liven a dull corner in the living room.

Imagine the rich, warm, unusual effect of a wool gabardine shade in a color that harmonizes with the room's furnishings. Or see in your mind's eye a colorful pottery base complemented with a novel rough-textured shade of straw mats sewn together. For the den perhaps you would like a shade of sheet cork bound in a bright contrasting color. The open grain allows some light to twinkle thru. Paper toweling shellacked gives the appearance of rich parchment. Then there are translucent plastics, felts and natural and colored burlaps.

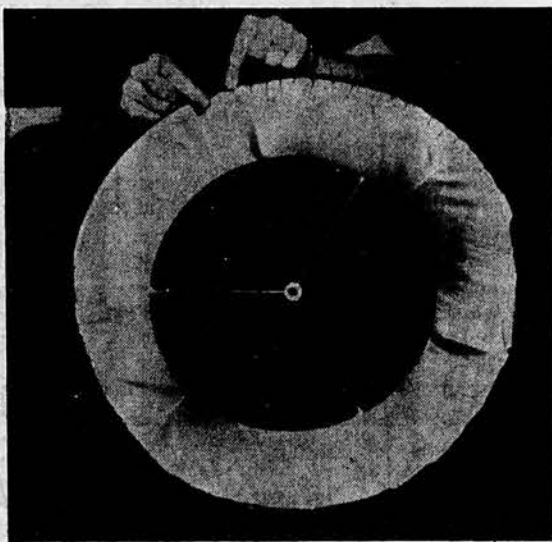
In fact all sorts of materials may be used with unique and striking results to produce lamp shades handsome enough for the smartest of rooms.

### Have Wide Choice

The kind of shade you make depends upon the kind you want and the kind of frame you have. Frames with upper and lower rings held in place with vertical rib wires are the easiest with which to work.

Warm colors, gold, ecru, peach and yellow usually are good. Some of the more conventional materials are linen, lightweight drapery fabrics, corduroy and cottons. Use anything that strikes your fancy and fits into the mood of the room. Don't forget to buy matching thread.

Linings may be made of almost any strong, light-colored material that reflects light; strong because it must be tightly stretched. If you want a paper lining, choose something similar to Bristol board that is light in color and lets some of the light shine thru.



**PULL COVER TIGHTLY** and turn the edge under on the inside edge of the frame, after the lining has been sewed to the frame.

Rip off the old shade carefully being careful not to change the shape of the rings. If cover is of plain paper, save it for a pattern. If it's of some other material, make a pattern by rolling a piece of newspaper around the frame and marking the outside. File down any rough spots on the rings and remove the rust with steel wool. Enamel them to prevent rusting.

Now wind both the top and bottom rings with three-eighths-inch twill tape. Use a piece of Scotch tape to hold the end in place and wind in a slanting direction, so it will be on the bias. Pull the tape very tightly and lap it just as little as possible to keep it free from bulk.

When you come to a cross wire wind around each one in a figure eight; over the cross wire,

under it, up and around the ring, then continue to wind in the direction in which you were going. When you have covered the ring, turn under the raw edge and sew it firmly in place with matching thread.

Now cut the lining and the cover from the pattern you made. If you use a paper lining it can be glued to the inside of the rings with a fabric glue. If the ribs are quite curved the fabric cover will fit better if it is cut on the bias with 2 seams instead of one.

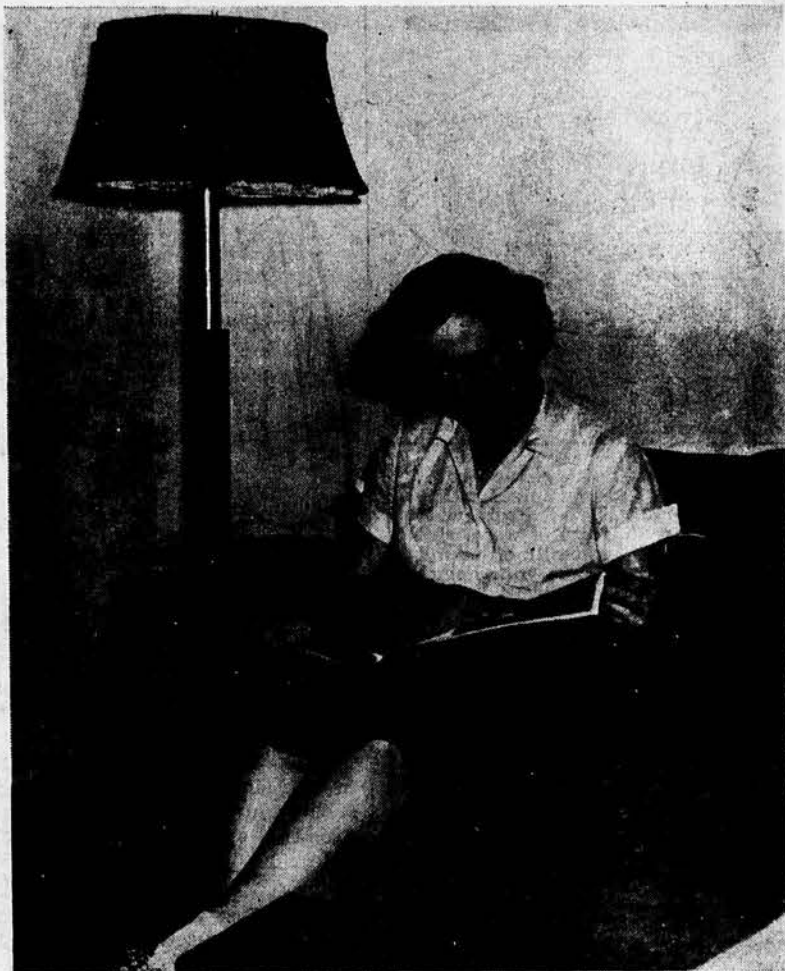
Take a slightly deeper seam allowance in the lining than in the cover to allow for its fitting inside the rings. Slit it at the cross wires and draw the lining tight on the inside of the rings, pinning it to the tape securely at both the top and bottom. Pulling the cloth grain out of shape will cause wrinkles. Work them out before sewing permanently. When the fabric is tight enough to "ping" when you thump it, it is tight enough to be overcast to the tape on the outside of the frame. Tightness is essential, for most fabrics will loosen a little with time.

### Use Nail Polish

Next, trim the edges away as closely as possible and finish both the edges and slits at the cross wires with colorless nail polish to prevent raveling.

Adjust and pin the cover to the outside of the frame and pull it tightly. Trim the edges to three-eighths of an inch and turn them under. Whip the cover material to the lining far enough under the edge so the lining will not show from the outside. And that's all!

For a paper shade, edges may be trimmed and glued to the rings. Then glue a trim of braid, bias tape, rickrack or ruffling to cover the seams at the top and bottom. A word of caution . . . the glue dries very fast, so work with a small area at a time and when it is adjusted clamp with spring clothespins.



**FINISHED LAMP SHADE** of dark green with golden glints fits into a room with soft chateaux walls and natural colored wood.



## NOTES FROM THE BEET SUGAR KITCHEN

by Nancy Haven



JUST OFF THE PRESS—

Here's Beet Sugar's gift to you... if you want to put up something really choice. "Well Preserved" gives you 30 pages of wonderful recipes—with a wealth of helpful suggestions to make your home-preserving and freezing easier and surer.

### SOME OF THE HIGHLIGHTS



Jellies, jams, preserves and conserves featuring the unusual in flavor combinations... surprise treats of uncooked jelly, cantaloupe butter, pickled fruit, frozen jam and garnishes... helpful charts, too.

Send for your free copy of "Well Preserved" today. (Address below).

### APRICOT-PINEAPPLE CONSERVE

The Beet Sugar aids flavor, helps preserve color; adds food energy, too.

5 lbs. (about 60 medium) apricots  
1/4 cup (No. 1 flat can) crushed, drained pineapple  
1 1/2 tps. finely grated lemon rind  
11 cups Beet Sugar  
1 1/2 cups coarsely chopped, blanched almonds, or 1/2 tsp. almond extract

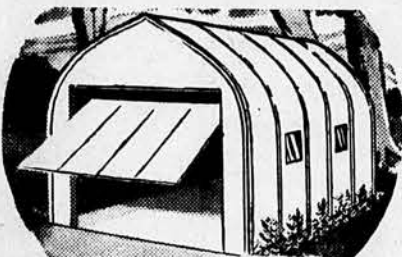
Wash, pit and quarter unpeeled apricots. Measure 13 1/2 cups. Combine fruits, lemon rind and sugar in large preserving kettle; stir to blend in sugar. Bring to a rolling boil on high heat. Reduce heat; boil 20 minutes or until two thick heavy drops run together off clean metal spoon (219° F.), stirring often. Remove from heat; skim. Stir in chopped nutsmeats or flavoring. Pour into hot sterilized jars; seal at once. Makes about 7 pints.

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SIZES  
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4756

SIZES  
12—20



4833 SIZES 12—20, 30—42

9163—Your apron-sundress in better-fit half sizes designed for the shorter, fuller figure. Half sizes 14 1/2 to 24 1/2. Size 16 1/2 takes 3 3/4 yards 35-inch fabric.

4756—Just the cool sun-casual you want. Easy-to-sew, see diagram. Misses sizes 12 to 20. Size 16 takes 3 1/2 yards 35-inch fabric.

4833—Princess dress is right for sunning. With jacket, right for other purposes. Misses sizes 12 to 20 and 30 to 42. Size 16 takes 4 3/4 yards 35-inch fabric.

9343—Full-circle skirt, collared neckline are so stylish for all purposes, depending on material. Teen sizes 10 to 16. Size 12 takes 4 3/4 yards 35-inch fabric; 1/2 yard contrast.

9302—Slenderizing sundress with scalloped details plus cool and smart bolero. Women's sizes 34 to 48. Size 36 outfit takes 5 1/4 yards 35-inch fabric.

9335—A 4-way wardrobe for your little girl... shirt, shorts, bra-top, skirt. Suitable for all cottons. Child's sizes 2 to 10. Size 6 ensemble takes 3 3/4 yards 35-inch fabric.



9343

SIZES  
10—16



9302 SIZES 34—48



9335  
SIZES  
2—10

Pattern Numbers	Size	Name
		Route
		Town
		State

Patterns are 30 cents. Address Fashion Editor, Kansas Farmer, Topeka.

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Here's my newest, most beautiful variety of African Violet. Lovelier than all the others with its gorgeous "Royal Red" blooms and big, big cool green leaves. Sent in bud or about to bud. Ever-blooming for years of beauty. Offered for a limited time at this amazing low price of only \$1.19 ea. or 2 for \$2.00. Send cash and I pay postage (Or order C.O.D.) plus postage. If not delighted return for your money back. Order NOW!

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WORMAL doesn't retard growth or egg production. Contains new effective drug *Butynorate*. Easy to use with the feed. Safe, highly effective, palatable and low in cost.

Don't take the chance of losing money in wasted feed, fewer eggs and slower growth. Worm your flock NOW with WORMAL. Buy easy-to-use WORMAL, today. Dr. Salsbury's Laboratories, Charles City, Iowa.

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## NEWS TO YOU?

AGE FOR biggest eating is in the teens for boys. They eat more than their parents, and should. Not only do they have to maintain their body, but eat enough more for fast growth. Always include a quart of milk with plenty of fruits and green vegetables.

The first dacron sewing thread for home use is now appearing on the market and homemakers will do well to investigate its advantages for use on all types of fabrics. At present it is available in white only and is particularly good in sewing the new synthetic fabrics such as orlon, dacron and nylon and for combinations of fibers. It is smooth, strong and does not snarl in hand sewing.

Silver polishing is a bugaboo for many homemakers. To help over that hump, use a porcelain enamel pan lined with aluminum foil. Put in enough quarts of water to cover the silver, bring it to a boil and add a teaspoon of washing soda and a teaspoon of salt for each quart. Lower the silver into the bath and boil for one minute. This is a good method for silver made in one piece. Do not use for hollow ware or soldered pieces.

An easy way to peel a fresh pineapple is to cut into rings about a half-inch thick, then peel each of the separate rings and remove the core. We suggest that cubed fresh pineapple be combined with fresh strawberries in season. Sugar to taste.

Glass oven pans absorb heat quickly and hold it well. You're likely to get a crusty, heavily browned product. If you don't want this heavy crust, lower the oven temperature about 25 degrees.

### Answers by the Canning Doctor

Here is an easy-to-file booklet which gives answers to the many canning and preserving problems that confront the homemaker. It includes sirup tables, suggestions on home freezing, answers those troublesome questions on pickles and relishes. To order, send 3 cents to Home Service Editor, *Kansas Farmer*, Topeka. Ask for "Answers by the Canning Doctor."

### Giblet Sandwiches Are Tasty

One excellent use for giblets, now that poultry is plentiful is to make them into a sandwich spread.

1 cup ground cooked giblets  
1 tablespoon pimiento, chopped  
1 tablespoon onion, chopped  
1 tablespoon green pepper, chopped  
1/4 cup celery, chopped  
1/2 cup sweet pickles, chopped  
1/2 cup thick salad dressing  
salt  
pepper

Combine all ingredients and spread on buttered bread slices. If you wish, put vegetables as well as the giblets thru the food chopper.

### Neighborly Visit

"Over the Garden Fence" is a clever playlet of 2 characters of opposite types. It is written in poetry and very interesting. If you are planning a club or community program in June, we can recommend this playlet as every community is familiar with both types of characters. Send 3c to Entertainment Editor, *Kansas Farmer*, Topeka, for each copy of the playlet.



LLOYD BURLINGHAM'S

## SKELGAS FARM REPORTER

### "...and Son"

Farm life has its manifold compensations. No true countryman would trade places with anyone off the land, while many a city dweller pines for "a little place, far from the noise and confusion of the pavement."

One thing very special in agriculture is the opportunity it gives a boy to grow up in the companionship of his own father, learning how to do things, understanding the whys of food production, guided step by step along the paths to useful manhood.

When at long last a farm father needs to ease up on the work of food production, how easy and how natural it is that his son comes finally into a father and son partnership. What finer culmination can be imagined? What a great advantage a farm offers in the fact that out by the roadside the sign can be made to read "...and Son."

### SPEND LESS TIME IN THE KITCHEN...

## GO MODERN—GET SKELGAS!

The day a sparkling white new Skelgas Constellation Range comes into your kitchen, a wonderful new life begins for you!

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**So Carefree!** Enjoy big oven meals with little work! Heat you set is the heat you get with the huge Thermaflo Oven!

**So Fast!** No other fuel can match the speed of Skelgas!

**So Economical!** Costs less to buy—costs less to use! See the new Skelgas Constellation Range at your local Skelgas dealer's. Trade in your old stove now!



### HINTS for House and Garden

Rust spots can be removed easily from white linens by saturating spots with lemon juice. Cover with clean cloth and press with warm—not hot—iron.

To make dahlias last longer, burn ends of stems before placing flowers in vase.

To provide a good storage place for overshoes, galoshes, rubbers, etc., make box out of lowest step on stairway, by loosening top of step and putting hinges at back. Top will serve as lid for storage box, as well as for a step.

### Skelgas Families' FAVORITE RECIPES

Although it will be quite a while before cucumbers are ready to pick, this recipe for SCALLOPED CUCUMBERS is so unusual, we have selected it for our Prize Winning Recipe. Be sure to clip it for future use—you'll be wanting it when your cucumbers come off the vine.

#### SCALLOPED CUCUMBERS

2 large cucumbers, peeled and cut in 1" pieces  
1/4 teaspoon pepper  
1 tablespoon bacon drippings or butter  
1/2 cup grated cheese  
1 medium onion, sliced  
1/2 teaspoon salt  
1 1/2 cups water  
1 cup milk, scalded  
1 cup fine cracker crumbs

Cook cucumbers, onion, salt and pepper in water for 15 minutes. Drain. Place half of cucumbers in bottom of buttered dish. Dot with butter or drippings. Pour milk on top and sprinkle with half of cracker crumbs. Add remaining cucumbers and top with rest of crumbs and grated cheese. Bake in moderate oven, 350°F., for 20 minutes.

Mrs. Alvin Meyer  
Dorchester, Iowa

Your favorite recipe may win \$5 if it's published here. Print your name and address on your favorite recipe and send it now to Dept. F-652. Please keep a copy as none can be returned.

### Trade In Your Old Stove Now!

There's no better time than right now for trading in your old stove on a streamlined new Skelgas Constellation Range!

Get set now for cool, clean summer cooking all summer long—and for years and years to come! And you'll be amazed at the difference a new Skelgas Constellation Range will make in your kitchen. Instantly, it gives a thrilling new look to your kitchen—and thrilling new flavor to all your cooking! Ask for a demonstration of the new Skelgas Constellation Range at your local Skelgas Dealer's today!



### "The CONSTELLATION Joins Our Family"

"We have received wonderful cooking service from our Skelgas Constellation Range since November of 1950. It is hard for us to realize how we got along without it before then. We particularly enjoy that wonderful griddle. The whole family uses our Constellation and enjoys its wonderful cooking qualities. Even our granddaughter, Vicky Gail, likes our Constellation Range since she can wash the oven windows as part of her chores. Believe me, our Constellation Range is certainly an important part of our family."

Mrs. Ocie Christo  
RFD #4, Vinita, Okla.

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## June Dairy Month

is celebrated through the length and breadth of our land in newspapers and magazines, on the radio, in posters, through the efforts of organized dairymen. Yet the part of each is only a penny a pound of butterfat sold during June and July . . . and that penny buys a lot more than June Dairy Month advertising. It buys a 12-month

## Program of Progress

Working organizations of trained experts guided by practical dairymen strive through the year to improve the industry — through research, increased consumer demand, and a constantly growing public appreciation of the importance of dairying. In this modern age, the proper appreciation by the public is a vital asset of any industry.

Your local milk and cream buyers throughout the state will serve as voluntary collectors during the months of June and July, taking your pennies and welding them into a great force for the betterment of the dairy industry.

**INVEST in Dairying's Future---  
ENJOY Dairy Progress Tomorrow**

**National Dairy Association**

**Kansas State Dairy Association**

H. E. DODGE, Secretary

**State Capitol, Topeka**

No. 1 in series of letters to you from  
Kling L. Anderson, writing from New Zealand

## First Trip Across the Equator From Spring to Summer to Autumn

By KLING L. ANDERSON

**EDITOR'S NOTE**—Kling L. Anderson, professor of pasture improvement at Kansas State College, because of outstanding work, has received a grant under the Fulbright Act for study in pasture work in New Zealand. Because we know Kansas Farmer readers will be interested in the agriculture of that country, especially in its pastures for which it is so widely known, we asked Kling to write letters about his experiences for all of us to enjoy. Here is the first one, very, very interesting. Watch for others that will be coming to you in Kansas Farmer.

We are happy to report Mrs. Anderson and their daughter will sail June 12, to join Mr. Anderson for a 3 months stay over there. Happy sailing!—R.H.G.



Kling Anderson

**DEAR EDITOR:** This voyage, my first across the equator, has been a delightful and rapid transition from spring in the United States thru the heat of summer and into the cool of autumn, all since April 10. We sailed from Vancouver, British Columbia, in raw, cloudy weather. The ship stopped briefly at Victoria, on Vancouver Island, that afternoon and we reached the open sea some time during the night. It remained cold for 3 or 4 days but then warmed rapidly as we entered the tropics. It is now cooling about as rapidly as we near New Zealand.

We have made only 2 stops since leaving Victoria, Hawaii and Fiji. I had only a brief look at Hawaii, its beautiful Waikiki beach, the Royal Hawaiian Hotel, the palace of the former Hawaiian rulers, and the magnificent plantations of sugar cane and pineapple.

Bob Singleton and Ike Kern, both Kansas State College alumni, met me and we crowded as much sight seeing as possible into the brief time we had.

One thing I took special note of in Hawaii was native vegetation. I had expected huge trees in such dense stands that little or no undergrowth could survive. Instead I found rather low trees in more or less open stands, the forest full of shrubs, vines, grasses, and other herbaceous plants. Needless to say, I could not recognize any of them except the philodendron which in some places clambered up tree trunks much as Virginia creeper does back home. This is similar to philodendron we grow as potted plants but much larger. Some species had leaves a foot across and 18 inches long. In the cultivated fields I felt more at home; there I was able to recognize such familiar plants as crab grass, Bermuda grass, and the common sandbur.

It was quite a surprise to find that so many of the showy flowering plants were not native to Hawaii but introduced from other tropical areas. It was startling to come upon large trees covered with brilliant blue flowers, as the Jackaranda, or the vivid red of the tulip tree, and the vine, Bouganvillea, with its variety of colors in different shades of red, yellow, whites, pinks, and purples were everywhere in a riot of colors.

I almost forgot to mention the orchids. These were found growing in profusion along the grassy forest margins. The wild varieties were not large,

but were very beautiful and so common no one bothered to gather them.

We were, of course, met at the dock with Hawaiian leis of orchids and many other beautiful and fragrant blossoms such as the yellow plumaria. These leis we tossed onto the water as the ship departed in the hope they would float ashore, for the Hawaiian legend has it that this is a sign we shall return some day to Hawaii. The departure was colorful and gay with the band playing and Hawaiians singing "Aloha."

### Visit Seaport Town

We reached Suva, the capital of Fiji, on Saturday, April 26. It is a sprawling seaport town of some 25,000 or 30,000 people, mostly native Fijians and Indians, but with about 3,000 to 4,000 Europeans and a few Chinese. Suva is a busy, bustling place, full of British-made autos such as the Austin, Consul, and Minx, but with a few Fords and Chevrolets as well. Most cars seemed to be taxis, but this was perhaps not true. We were, however, swarmed over by Indian taxi drivers, each of whom insisted he be allowed to take us on a sight-seeing tour of Fiji.

As in other British countries, except Canada, the traffic in Fiji is on the left-hand side of the street and some cars have steering wheels at the right. It was my first experience with "wrong-side-of-the-road" driving and I must confess I'm glad I was not at the wheel. It even is hazardous for pedestrians accustomed to right-hand traffic.

The harbor of Suva is an excellent one, lying in the lee of the island and protected on the seaward side by a barrier reef which breaks the force of the waves. Inside the reef the harbor was as smooth as a small lake. Dock facilities are meager, however, and the Aorangi simply tied up alongside of a rickety dock or planks.

Suva is geared to tourist trade, most of its stores and shops featuring native and Indian crafts, silver, tortoise shell, mother-of-pearl, and carved wood. We were told when passenger ships are in port prices of such trinkets are doubled, and I observed much haggling.

(Continued on Page 24)

### COMING, NEXT ISSUE . . .

Farm tours are growing in popularity everywhere. New developments in agriculture are coming so rapidly farmers find it worthwhile to take the time off several times a year to attend farm tours, catch up on these developments. In our next issue of **Kansas Farmer** we will take you on the tour held this year in Bourbon county.



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## What Others Do

(Continued from Page 6)

3. An informative blood test must be made on a herd at approximately 18-month intervals.

4. No indemnity can be claimed under Plan B—herd must qualify for Plan A to claim indemnity at a later date.

Under the Wisconsin law 75 per cent of the cattle owners of any given county may petition the State Department of Agriculture to make it compulsory for the entire county to operate under Plan A.

You will note much of the Wisconsin program is built around the ring test. Seven laboratories to carry on this work have been established. Five are permanent and operated by the State Department of Agriculture. Two are mobile laboratories operated by the U. S. Bureau of Animal Industry. Each laboratory unit consists of a ring test veterinarian in charge, a laboratory technician, 4 dairy workers who gather milk samples. Actual ring tests are made by federal or state employed veterinarians and technicians.

There are 2,250 licensed dairy plants in Wisconsin that are to be ring tested twice yearly. The state is divided into 22 districts with a veterinary supervisor administering the work in his district. His work is public relations. He also does considerable test work and co-ordinates the program between local veterinarians and the state office.

### It's a Big Job

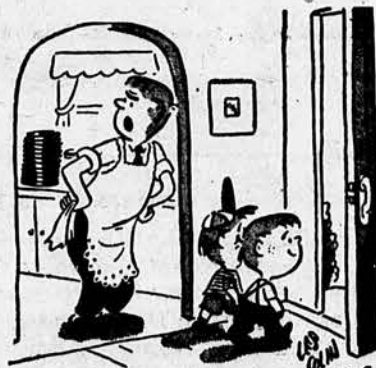
H. J. O'Connell, chief, division of livestock sanitation, for the Wisconsin State Board of Agriculture, says: "Some idea of the size of our job can be understood when you realize we have 160,000 herds of cattle in Wisconsin containing in excess of 3½ million head. This department has an investigational unit whose duties are to investigate violations of our livestock sanitary regulations and conduct prosecutions. We also are conducting a very extensive educational program with the co-operation of the Wisconsin University Extension division. This campaign includes getting information to producers, dairy plants, and other interested parties."

The ring test, like the blood test, is an agglutination test and depends upon the same basic principle. The agglutinins or antibodies which the infected animal develops in attempting to rid itself of the disease can be found in the milk as well as in the blood. With the ring test, the antigen is stained a deep blue color so agglutination reaction may be easily observed in whole milk samples.

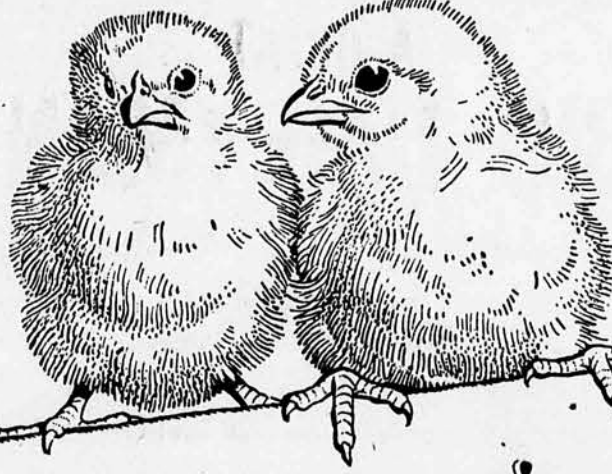
In milk from infected cows the colored antigen collects on the fat droplets, and as the cream rises to the top a deep blue cream line or ring is formed. It is from this ring the test gets its name. The skim milk remains white. In milk from uninfected cows the antigen remains in the skim milk fraction to give it a light blue color and the cream ring is white.

Thru the courtesy of the Butter, Cheese and Milk Products Journal we are running a series of pictures with this article to show you the various steps in making the ring test.


Next issue of Kansas Farmer, June 21, will bring you information from another state.



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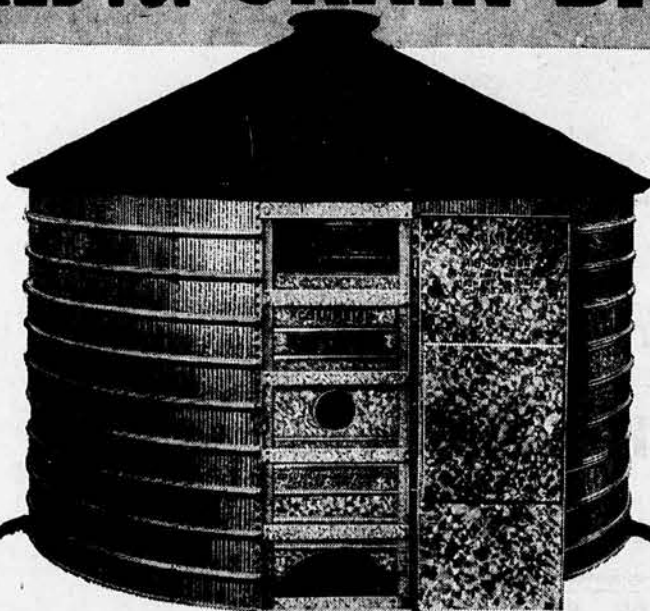
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## First Trip Across the Equator

(Continued from Page 22)

gling over prices of souvenirs, trinkets. Natives of Fiji are interesting people, large of stature and sturdily built. They are dark-skinned and have rather broad, flat faces with wide mouths that break easily into smiles. They appeared to be friendly and ready to help in any way, chiefly by posing for snapshots.

Outstanding feature of most native Fijians, both men and women, is their bushy hair. It is extremely kinky and they wear it short or to a length of 6 or 8 inches. It extends straight out from their heads in a bushy mass like a giant wig or a great black cap.

Indians, who make up a large segment of Suva's population, also are dark-skinned, but rather slight of build. Men dress like Europeans but women wear the typical, colorful, flowing garments of India. Like the natives, many Indians go without shoes.

One interesting sight of Suva is Municipal market, an open, shed-like structure where produce is brought for sale. Fish, clams, crayfish, vegetables, fruit, and all manner of foods are dumped in heaps on the concrete floor or on tables. Native Fijians and Indians mill about, stepping over and among the heaps of produce, haggling over prices, and finally departing with a few fish or a small quantity of fruit.

Other points of interest were the botanical garden and the museum of Fiji art and history. The museum, housed above a Carnegie library, contained many interesting Fiji relics. The botanical garden featured only trees and shrubs, both native and exotic, none of which I had ever seen. We were there at the wrong time of year to see the trees in flower.

The hurricane deserves special mention. We were told wind velocity was 140 miles per hour with gusts up to 180 miles. It uprooted huge trees, blew down buildings, tore off roofs, tossed cars and houses into the sea, and flung boats onto shore. One ship lying in the harbor put down both its anchors and ran its engines full speed ahead against the wind, but was blown backwards onto a mud bank near shore.

Fiji has its own currency in the same denominations as other British countries (except Canada), but money is not of the same value. Only currency used on the ship is Australian, and on April 30 I change to New Zealand money. By then I will have spent money of 5 dif-

ferent kinds within the month, U. S., Canadian, Aussie, Fiji, and New Zealand.

I must tell you about the ship we're traveling on. She is the R. M. S. Aorangi of the Canadian Australasian Line. Only all-passenger vessel plying between our west coast and Australasia. She is a 22,000-ton, diesel-powered motor ship, built 27 years ago, 600 feet long, 72 feet wide, draws up to 29 feet when fully loaded. This apparently is the ideal size for easy riding for at times the motion is almost imperceptible and at others only a slow, gentle roll. Almost no one has been seasick.

The Aorangi carries up to 550 passengers but has only about 300 on this trip. To operate her requires a crew of 315 officers and men. She sails from Vancouver every 9 weeks for New Zealand and Australia.

### Everyone Has Fun

Passengers aboard the Aorangi are grand, not at all formal or stiff. Everyone takes part in deck games, swimming, bingo, and all the other activities.

Most of the folks aboard are from British countries, chiefly New Zealand and Australia. Many are returning from vacations or business trips to the United States.

We have crossed both the equator and the international date line. There were no ceremonies crossing the equator because the captain dislikes the horseplay that frequently takes place on such occasions, but those crossing for the first time received certificates attesting to that fact, and promising the aid of King Neptune and all of his subjects should we ever be shipwrecked.

Crossing the international date line has put us into the Eastern Hemisphere and a day ahead of you in America. In crossing it we missed Friday of last week, skipping from Thursday to Saturday overnight, giving us a 6-day week. We will get an 8-day week on the return trip, however.

On April 30 we dock at Auckland, New Zealand, where I debark from this ship and head for Massey Agricultural College. In some ways I am sorry to see the voyage end but am eager to reach my destination. I shall write you from time to time as my work there progresses and as I visit the farms and ranches of New Zealand.—Sincerely, *Kling L. Anderson.*

## Win Awards in Balanced Farming And Family Living Program



**AWARDS IN BALANCED Farming and Family Living Program** for 1952 were presented to these 3 couples at the annual Kansas State Chamber of Commerce meeting. Left to right, Mr. and Mrs. Julian Buer, Concordia; Mr. and Mrs. George Birkenbaugh, Kingman and Mr. and Mrs. Norman Alloway, Edna. Farm and home achievements were behind these awards, sponsored jointly by the Kansas State College Extension Service and State Chamber of Commerce. *Kansas Farmer* for May 17 brought you a story about this program.



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## 2,200 Farms Served

(Continued from Page 1)

meeting," said John Mozingo, association manager. "These 6 are being rushed to completion," he added.

It was disclosed the association now serves 2,200 farms in a 45-mile radius of Pratt, and has installed more than 1,800 miles of service lines to reach these customers. One thing that amazes Manager Mozingo is the way farmers have increased their use of electricity since the association was organized 13 years ago.

"Farmers have increased their use of electricity every year but one since we organized," he says. "This increase has averaged 4 to 15 per cent a year. Average monthly number of KWH used per consumer in 1950 was 171. During 1951 it jumped to 193. Farmers are finding every way possible to use electricity to lighten the work of farming and to increase the comfort of farm living. Our association patrons purchased 6 million kilowatts during 1951 to set a new record."

### Hold Big Show

A feature of the annual meeting of the Ninnescah association is a big electric appliance show. All appliance dealers in the Pratt area are invited to have exhibits and all participate.

Rient Bergner, of Pratt, served as president of the association from its organization in 1940 until the 1952 meeting, when he resigned. Shelby Neelly, Byers, is the new president. William K. Gaines, St. John, is vice-president; Art McAnarney, Haviland, secretary, and Marion Zink, Turon, treasurer.

Speaking of the organization, Manager Mozingo, says: "Our co-operative has demonstrated people can develop among themselves leadership to run a big business."

Contrary to ideas some folks may have in regard to the feeling between REA and private electric companies, there is the best of co-operation between Ninnescah and Kansas Power & Light Company, which supplies the power purchased by the association.

H. S. Hinrichs, Kansas Power & Light Co., rural development executive, says: "We are now selling wholesale electric service to 18 co-operatives in Kansas, and our sale of electric power to these co-operatives has increased from 2 million KWH in 1940 to 63 million in 1950."

### Work Co-operatively

"We are working together," he adds. "Our company is working to assist rural electric co-operatives in 3 ways: 1. By supplying power in adequate quantities at reasonable cost, and at as many points as will facilitate development of a logical distribution system. 2. By making available the services of experienced personnel in helping solve operating problems. 3. In promoting a more complete and effective utilization of electric service on the farm."

In addition to its rapid and almost complete expansion of electric service in the Pratt area, the Ninnescah association is now completing plans for a modern new headquarters building to be erected in Pratt.

The 1951 annual report of the association shows increases all along the line over 1950. It shows an increase of 3.7 per cent in miles of line, 5 per cent in number of members connected, 25 per cent in total KWH delivered, 11 per cent in average KWH used per consumer and 19 per cent in average revenue per mile of line. In addition, the association showed a 1.7 per cent decrease in per cent of line loss.

Some other interesting comparisons go back to 1942. At that time the association had 199.7 miles of energized lines serving only 291 members. Average KWH per consumer per month was only 86 and average monthly bill \$5.25. In 1951 the association had 1,802.41 miles of energized line servicing 2,189 members, who used an average of 193 KWH monthly and paid an average monthly bill of \$8.92.

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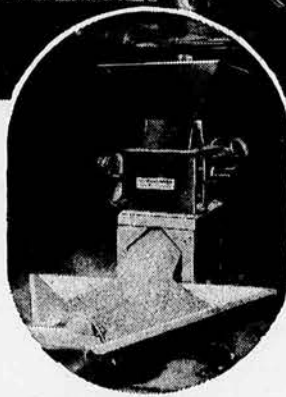
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## Do Not Hesitate to Use Controls On Insect and Disease Outbreaks

By WILLIAM G. AMSTEIN, Kansas State College

RECENTLY I HAVE been visiting gardens. This is the most enjoyable part of the season to me. "Dirt Diggers" of all ages have had a hand in growing many of these gardens. Only a few of them were either "she" or "he" gardens. Most of them show evidence of being "we" gardens. Some fine yards and flowers went along with vegetables.

While the calendar now reads June, some vegetables are at least 2 weeks behind many previous years. Dry weather as well as frost damage may account for some of these delays. This is more noticeable with early-season rather than main-season vegetables. Crops such as head lettuce, cauliflower, cabbage and peas seem slower than usual. While in the same gardens beans, beets and tomatoes have grown fairly well for the time planted.

Too many vegetable gardens show results of weed spraying on lawn or other nearby locations. On crops such as tomatoes, you may notice long, narrow, twisted leaves, an indication of injury from use of 2,4-D somewhere.

By questions asked on these garden tours, I find many hesitate to use control measures on insects and disease outbreaks. There are many materials that can be used without any real residue remaining. In fact, I believe the residue question, altho important, is one that has been overemphasized. If you find signs of insect or disease damage in your garden, do something about them early. As a standard insect control material, use of rotenone is one of the best answers. Cleaning out the remains of early crops will help cut down some of the hazards.

Proper summer care of vegetable garden is quite as important as careful planning and plantings. Correct arrangement and good selection of varieties must be done early, but these will be of little value unless the garden is given more or less constant attention. With harvest close at hand, too many gardens will not get much care except for what is harvested from them.

Some few gardens show too many weeds. It is possible to catch up with the weeds, but it is better to stay ahead of them. You may have had to delay cleaning up certain rows such as carrots and parsnips because of a slow stand. However, they should be well enough established now for cleaning.

Vegetable seeds are sown too thickly where seeding is done by hand. Especially is this true if several younger hands help. Unless proper thinning is done after plants come up, they will grow slowly, and unsatisfactory yields will be produced. Thinning should be done while plants are still small to avoid disturbing roots of the other plants. Crowded plants do very poorly and compete with each other for moisture, plant food, and sunshine.

With some crops, 2 or even 3 thinning may be made. The "thinning," in case of some half-grown crops, can be harvested and used as well as fully-grown specimens. Beets, turnips, onions, kohlrabi, carrots, and lettuce are some crops in this class.

Cucumbers should stand 1 foot apart in the row with rows 5 to 6 feet apart, or they may stand 3 plants to the hill with hills 4 to 5 feet apart. This thinning may be delayed some so in case of insect damage there will still be a stand. Sweet corn does best when spaced 12 to 14 inches apart in the row with rows 3 feet apart.

### Plan Your Spacing

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

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

Most vegetable plants have many fine fibrous feeding roots in the plowed area of the soil where the soil is loose. Therefore, cultivation close to the row should be shallow (1 to 2 inches) and frequent enough to control weeds. If a hoe is used do not chop too deeply. A rotary hoe or hand cultivator could be used in more gardens to save much hand labor.

Sweet corn does not need to be suckered. It will not pay for the time it takes. But some years suckers may prove useful.

Continuous garden production can be enjoyed by a little more planning and planting.

## GRANDMA

By Charles Kuhn





## MARKETING VIEWPOINT

C. P. WILSON, Livestock  
LEONARD W. SCHRUBEN, Feed Grains  
PAUL L. KELLEY, Poultry and Eggs

What do you think we will have to pay for choice stock steer calves this fall?—D. W.

This is a very difficult question to answer. A great deal depends on size of feed crop, grazing season, international situation, which we can only guess at now. At present time, it appears prices will be considerably below last fall. Few contracts are reported as yet for fall delivery.

A deal in Southwest Texas at \$33 and \$34 for choice mixed calves for fall delivery was reported. Most buyers apparently are not willing to go above that and sellers are holding for higher prices so it is difficult to say where the price may settle. However, prices indicated above are fully \$7 below contract prices last year before the "roll-back" went into effect, and \$5 to \$6 below contract prices last August after the market settled down following the price roll-back.

Contract prices are not always a good forecast of prices that will prevail at delivery time, but this may give

some indication of what traders think.

How important will exports of wheat be to farmers in Kansas during the coming year?—K. W.

Exports of wheat from the U. S. may be expected to total about 415 million bushels during the crop year ending June 30, 1953. At this time, there is only meager information upon which to base such an estimate. If the supply indicated as of May 1 is realized, it is expected a major effort will be made to export wheat from the U. S. The long-time average export of wheat from the U. S. has been about 180 million bushels, excluding years of net imports. A total of 2,878 million bushels has been exported since World War II.

What do you think turkey prices will be this fall?—B. B.

If no substantial inflationary influences develop between now and early 1953, it is quite likely turkey prices to producers will average less in 1952 than for the 1951 season. Preliminary indications point to a substantial increase in number of turkey poults on farms this year. Most producers had favorable returns during 1951 season, so this increase probably is the result of a favorable situation for turkey producers during the last season combined with prospects for a fairly high level of consumer incomes for the most of 1952.

## Dynamite Helps Reclaim Flood-Covered land

THANKS to 3,300 sticks of dynamite, Theodore A. Grindole and Hubert Turner will again be able to farm 160 acres which until November had been completely isolated as a result of the July flood. Known as the Perry Ox Bow project, the operation just west of Perry was under direction of Joe Schrader, Jefferson county work unit conservationist.

A loop of backwater normally circled this acreage, but 2 earth fills provided entrances to it for farm machinery. Then the Delaware river went on rampage. The entire area was put under water and then as the water went down, silt was deposited along the river at the outlet of the loop. The backwater level was raised 3 feet above normal and there was no way for it to escape. The 2 crossings to the farmland were under water, so there was no way to enter.

It was decided to dynamite a channel to let the water back out into the Delaware. For several days, men used chain saws to cut brush out of the channel so explosives could be set. Dynamite was then loaded from a boat and set in the mud. In 3 days, 4,500 yards of mud were moved out of a 2,000-foot-long ditch.

The successful project drained between 20 and 30 acre feet of water from the land, made it possible to get back on the land, and incidental to the main project drained 15 acres of land which had been under water and now can be farmed.

It was the first flood-control project completed in the county, Mr. Schrader

said. We have 13 similar projects ahead of us, the biggest to cost \$4,000. This will return 400 acres south of Grantville to use.

Cost of the Perry project, on which N. R. Hamm had the contract, will be paid entirely by the Soil Conservation Service. These funds are available where 2 or more farmers will benefit thru clearing stream channels, opening drainage ditches, removing stream debris, and in establishing cutoffs where there is danger of a new channel being formed.

PMA payments provided emergency feed immediately following the flood, and thru an emergency restoration program will pay up to 80 per cent of the cost on an individual farm of deep plowing, fence repair, opening drainage ditches, re-establishing cover crops, repairing erosion control structures and stock water facilities, and clearing and leveling land for cultivation.

### Pot Holder Rack

I used the metal strip with its 2 clamping rings from a loose-leaf notebook cover for hanging pot holders. Screws thru holes at ends of strip fasten it to wall. Then I painted it a bright color.—Mrs. R. E. L.

### Dusting Lamp Shades

I use a discarded shaving brush to dust lamp shades. The soft brush cannot harm the fabric and the long bristles remove dust from the folds.—Mrs. R. R. C.



SOIL CONSERVATIONISTS supervise setting 3,300 sticks of dynamite to clear a drainage channel near Perry, restoring 160 acres to useful farming.

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JUN 10 1952

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ROW CROP  
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**MOUNTED IMPLEMENTS**—specially engineered, rugged—the line includes loaders, dozers, moldboard plows and harrows, spring-tooth harrows, cultivators and lift type terracing blade.

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RID-X destroys the bulk and volume of waste materials in disposal units by activating bacterial decomposition. This helps prevent accumulation of waste and the offensive odors.

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**4-CON COMPANY, INC. • 112 E. Walton Place • Chicago 11, Ill., Dept. KF-2**

## Read the Ads in This Issue

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

# CHOLERA

## OUTBREAKS REPORTED

ARE YOUR HOGS  
**VACCINATED?**

If your hogs have not been vaccinated, it should be done without delay. Cholera strikes fast, kills fast. Vaccination is your ONLY protection. There is no cure.

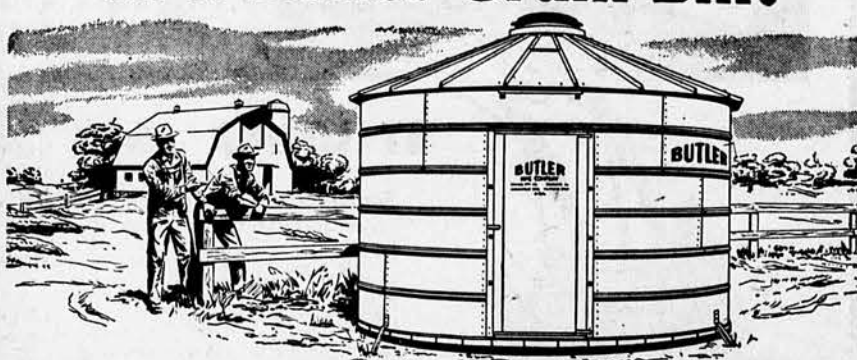
CONSULT YOUR  
**VETERINARIAN**

Your veterinarian knows when and HOW to vaccinate for maximum protection. Call him NOW and be SURE.

This message sponsored by ASSOCIATED SERUM PRODUCERS, INC.



## Your Profits Grow When Your Grain Is Safe in a Butler Grain Bin!



**WATCH YOUR PROFITS GROW** when you store your grain in safe, sturdy Butler Grain Bins. Throughout the years, farmers who have been able to hold their grain three, five or seven months

beyond harvest time usually have been able to market their grain at a much higher cash price. Adequate on-the-farm storage facilities makes the difference. Take a look at the chart below.

### THESE 10 YEAR AVERAGES TELL THE PROFIT STORY

Average Cash Prices for No. 2 Dark and Hard Wheat, Kansas City Grain Market  
(Source: "Grain Market Review")

Years	June 15	Sept. 15	Nov. 15	Jan. 15
1942-43	1.15%	1.22	1.25%	1.38%
1943-44	1.38%	1.48%	1.56%	1.66
1944-45	1.60%	1.59	1.65	1.67
1945-46	1.75%	1.70	1.73%	1.75%
1946-47	1.94	2.02	2.16%	2.14%
1947-48	2.29%	2.94	3.17	3.28%
1948-49	2.30%	2.23%	2.31	2.26%
1949-50	2.16%	2.25	2.25%	2.24
1950-51	2.17%	2.26%	2.27%	2.38%
1951-52	2.41	2.46	2.60%	2.55%

### BANK YOUR GRAIN IN A BUTLER GRAIN BIN AND WATCH YOUR PROFITS GROW

- Fire-safe, weathertight, rodent-proof
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- Low-cost erection
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- More farmers are using Butler Grain Bins than any other make

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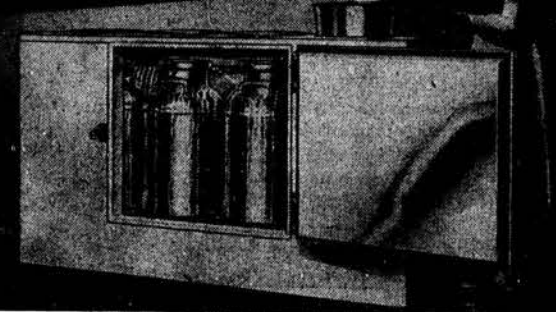
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## STOP LIFTING HEAVY MILK CANS!

Take the  
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of Milking  
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# T-33



Four can model is illustrated. Sizes available up to 16 can capacity. Accommodates both 10-gallon and 8-gallon cans.

## MILK REFRIGERATOR

You just slide empty cans in the front of a T-33...pour milk in from the top...remove full cans with no lifting. Water as cold as water can get sprays sides of cans...starts cooling milk instantly as they fill. The T-33 saves you work, keeps milk higher grade, gives you more cash milk money...yet costs very little, quickly pays for itself. Start right now to save your back, fatten your billfold. Write today for full information.

**ZERO MANUFACTURING CO., 808 F DUNCAN, WASHINGTON, MISSOURI**

## Arguing for More Tax Money Main Chore in Washington

By CLIFF STRATTON, Kansas Farmer's National Affairs Editor

1953—FURTHER INFLATION? Deflation? Tax increases? Tax reduction?

A widening rift, even inside the Administration, is seen in Washington over tax policy. At top level is a kept-very-much-quiet struggle between groups who want to boost taxes, and those who would cut taxes.

Some of the arguments for putting U. S. on a reduction diet, taxwise:

Spending for plant and equipment reaches probable peak this year. Business and industry have been expanding hot-foot to meet defense and growing civilian demands. In some lines there are fears overexpansion already has taken place. Consumers are playing cagey on purchasing; inventories are piling up. Exports are more likely to fall off next year than increase. Farm income is slipping, costs are mounting.

Arguments on the side of higher taxes:

Defense spending still is going up, will continue well into 1953 at least. Administration has 20-million-dollar "slush fund" to throw into market places between now and November elections; whatever may be the picture for 1953, voter-consumers must have plenty of money up at least until election day.

However, even higher-tax proponents expect military spending to level off in late 1953 or 1954, barring real war on big scale. But in the meantime, military spending is supporting profits, employment, incomes—individual savings are larger and larger; taxes must be increased to prevent these being spent in such ways as to increase "inflation." That is the argument of the increase-taxes group.

Conflict will break out in Congress before the national conventions meet; may be quite heated.

USDA's Bureau of Agricultural Economics, in current issue of Agricultural Situation, sizes up farm production facilities—

Supply of farm workers will be smaller than in 1951; shortages in local areas. Farm wage rates will be from 5 to 10 per cent higher than 1951.

Farm machinery outlook hopeful, portable irrigation supplies favorable, increased allotments of aluminum. Pesticides production expanding, but

better lay in supplies on time. Fertilizer production above last year, but still insufficient to meet demand. Container situation has eased. India has cut export duty on burlap in half; supply abundant. Binder twine, baler twine supplies adequate. Truck, tires, fuels situation very good.

With the Republican national convention barely a month away, it looks like a horse-race between Sen. Robert A. Taft of Ohio and Gen. Dwight D. Eisenhower of Kansas. Political "experts" in Washington are almost as nearly unanimous that General Eisenhower will win as they were 4 years ago that Harry S. Truman could not win.

Indications as of today are that Taft will have around 500 delegates when the convention opens, with Eisenhower lagging by perhaps 50. Delegates from 4 states, California with 70 delegate votes; Pennsylvania, 70; Michigan, 46; Maryland, 24, could make the decision. California and Maryland have favorite-son candidates, Gov. Earl Warren and Gov. Theo. McKeldin. Gov. John S. Fine of Pennsylvania probably controls 32 presently uncommitted delegates; Taft is credited with 18, Eisenhower with 20. Influential Arthur Summerfield—favoring Eisenhower—is expected to have a voice in where from 26 to 33 of the 46 Michigan delegates go. Associated Press gives Taft 6, Eisenhower 7 at present; Time magazine's correspondents give the Michigan score at Taft 10, Eisenhower 10, uncommitted 26.

Eisenhower managers are counting on Governor Warren's delivering his 70 delegates to the General, but Warren has been quoted as saying if and when he releases his delegates, they will be free to go where they please. Taft managers are counting on getting from 20 to 28 from California. Governor McKeldin (Md.) favors Eisenhower, but Taft headquarters believe Mr. Republican of Ohio will get at least 12 of the 24 when the break comes; Eisenhower camp claims 18 delegates.

With these figures as starting points, write your own ticket—that's what the convention may do. Actually, few observers see much likelihood of a dark horse.

### PLAN RANGE MANAGEMENT MEETING



THESE MEN met at Wayne Rogler ranch, near Matfield Green, recently to plan the semi-annual meeting of the Kansas-Oklahoma section of the American Society of Range Management June 13: (Left to right) Mr. Rogler; Ed Smith, Kansas State College animal husbandryman; Lee Brewer, Chase county agent; Lester Branson, Manhattan, chairman of the 2-state section; Don Atkins, Manhattan, grass technician of SCS nursery; Lee Collingsworth, Chase county conservationist; and Ed Robbins, Matfield Green, in charge of the Rogler seed increase project.



# Classified Advertising Department

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1/4	\$4.90	2	\$19.60
1/2	9.80	3	29.40

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Write for special display requirements.

Kansas Farmer, Topeka, Kan.

### BABY CHICKS

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

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

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

Surplus Chicks—Immediate delivery, \$5 per 100, guaranteed not all Leghorns or all cockerels. Hawk Hatcheries, Atchison, Kan.

### BROWN LEGHORNS

Helm's Imported Danish Brown Leghorns—Holder three world records, bigger bodied, larger, whiter eggs. Leading breeds. Pullorum clean. Certified Leghorns. Helm's Chicks, Paducah, Ky.

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Started Geese (Heavy, range-size Africans, Toulouse, Embdens, Chinas). Goslings—Eggs. Safe shipment anywhere! Magazine, bulletins explain profitable production, marketing. Peyton Farm, R2CK, Duluth, Minn.

### POULTRY—MISCELLANEOUS

Peafowl, Swans, Pheasants, Bantams, Ducks, Geese, thirty varieties Pigeons. John Haas, Bettendorf, Ia.

Pheasants: Ringneck eggs 17c; day old chicks, 35c each. Jim McGinty, Seneca, Kan.

### DOGS

Nice Shepherd Pups 10 weeks old—\$10.00 each. Perry Farm, Hanover, Kan.

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

### RABBITS AND PIGEONS

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

### KANSAS CERTIFIED SEED

Certified 44-14 Kafir \$7.00 per cwt. Wabash Soybeans, \$3.50 per bushel. J. A. Holmstrom, Randolph, Kan.

### PLANTS AND NURSERY STOCK

Look! Millions tough stalky, well rooted, open field grown state certified Tomato, Pepper, Eggplant, Onions, Cauliflower, Broccoli, Brussels sprouts, Collards, Beets, Lettuce. All leading and best varieties, mixed anyway. 50 and 100 to bunch. 300—\$1.00; 700—\$2.00; 1,000—\$2.50; 5,000—\$10.00. Potato Plants—all varieties, also hybrid Tomato Plants. 100—\$1.00; 300—\$2.00; 600—\$3.50; 1,000—\$5.00 moss packed. Daily service. Satisfaction guaranteed. Texas Plant Farm, Franklin, Tex.

Strawberry Plants—Hardy northern grown, double inspected Dunlap, Beaver, Blakemore, Premier, Giant Robinson, Bellmar 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Giant Gem, Streamliner, Minnesota 1166 everbearing, 100—\$2.00; 500—\$8.50. Gladiolus-Florist-Mix, 17 varieties, blooming size, 125—\$1.00. Fresh plants, prompt shipment. Iowa Nursery, Farmington, Ia.

Tomato and Pepper Plants—Large, hand selected, roots mossed. Tomatoes: Earliana, John Baer, Marglobe, Bonny Best, Rutgers, 200—75c; 500—\$1.00; 1,000—\$2.25. Peppers: Sweet, Hot, 100—50c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Postpaid. Prompt shipment. Culver Plant Farms, Mt. Pleasant, Tex.

Sweet Potato Plants—Nancy Hall, Portorico, 200—\$1.25. Postpaid. Ponzer Nursery, Rolla, Mo.

### FLOWERS AND BULBS

Free Rose Catalog—32 pages, full color, showing 1952 All-American winners and 140 varieties of rose garden favorites. Arp Roses, Inc., Box 178-KF, Tyler, Tex.

### WANTED TO BUY

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

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

Canaries, Parakeets Wanted—Best prices. Write for shipping directions. American Bird Corp., 2610 W. 26th Pl., Chicago 8, Ill.

Wanted—Meteorites and Tekites. Free circular. Write Joe Ullman, Burchard, Nebr.

### OF INTEREST TO WOMEN

Cook Book of Cherished Recipes from Norway, Sweden and Denmark, including Smorgasbord menus. Send only 50c for each book, plus 10c for cost of wrapping and mailing to: Lux-Gaily, 3042 East 35th Street, Minneapolis 6, Minn.

Satin Ribbon Bargains—50 yards 25c assorted widths, colors, 5-yard lengths embroideries and edgings, 12 yards 35c, assorted widths, 2-yard lengths. Money refunded. Postpaid. Adams Textiles, 734 Myrtle Ave., Brooklyn, N. Y.

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.

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Portable Steam Cleaners for implements, disinfecting, etc. Factory wholesale price to first buyer in each county who will act as agent. Rogue, P. O. Box 67, Ashland, Oregon.

## BUSINESS OPPORTUNITIES FOR LEASE OR SALE

Two brick buildings at Hazelton, Kan., 25' x 70'. Suitable for plants or can be remodeled for apartments. Good schools, on main line of Santa Fe and oiled highways.

Box 121, Medicine Lodge, Kansas

For Sale: Only clothing and dry goods store in Almena. Living quarters in rear of store. Low rent. Clean stock. Will give immediate possession or will reduce inventory to suit purchaser. Come investigate this. From \$5,000 to \$7,500 total investment. Rixie's, Almena, Kan.

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### FEATHERS WANTED

Cash for Feather Beds. New and old feathers—goose or duck wanted right now! We give you top prices and allow you 5c extra per pound for shipping charges and return your tacking, if desired. For complete shipping instructions with free tags mail small sample of your feathers in ordinary envelope to: Northwestern Feather Company, Department D, 212 Scribner, Northwest, Grand Rapids 4, Mich.

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.

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3c Deckledge Reprints 3c  
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20 DECKLEDGE REPRINTS 50c  
6-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete price list. TINK'S PHOTO SERVICE, Box 1068-KF, Topeka, Kan.

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

Only 25c. Your roll developed and 8 finest quality enlarged prints. Pictures plastic bound in beautiful album. Trial offer: limited time. Daily service. Ball Studio, Dept. 61M, Box 275, St. Louis, Mo.

Photographs Wholesale, 8 5x7's or 4 8x10 enlargements from your negative \$1.00. Agents wanted. Halwa Studio, 131H-1 Mohawk Drive, Arnold, Pa.

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

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

12 Jumbos from Roll, 35c, 8 Jumbos, 25c; with this ad. I. Skrudland, Lake Geneva, Wisc.

### OF INTEREST TO ALL

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

Strawberry Baskets: Quart or pint, \$2.40 per 100. Postage paid. Send check or money order. Dept. A. Schwarz Basket and Box Company, Louisiana, Mo.

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

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

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized. Saves digging, pumping. Sample free. Solvex, Monticello 6, Ia.

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State PMA  
Gets New Chairman

Announcement is made of the resignation of Emmet Womer as chairman of the Kansas State PMA Committee, which automatically removes him as chairman of the Kansas Agricultural Mobilization Committee. He will stay on the PMA Committee as a member, subject to call.

According to Mr. Womer, he wants to spend more time at his home in handling his farm program. He stated, "I have served 18 years in the farm programs—4 years on the county committee and 14 years on the state committee."

Wendell Becraft, successor as state chairman, has had many years of farming experience plus numerous assignments in farm programs. He has been a county committeeman, a farmer fieldman, a worker in various sections of the state PMA office, in recent years was state crop insurance director.

## Rice County Plans Balanced Farming Tours

Results of balanced farming and farm living in Rice county will be seen first hand by the people of the county this summer in a new plan. Farm tours will be held in July and August, with dates to be announced in the near future.

Rice county is the first county in Kansas to come up with such a large tour project. Extension personnel are aiding in planning the tours. Leaders in 13 communities are making a list of proposed stops in their area. These lists will be handed to county agents who will travel thru the communities on preliminary tours May 5 thru May 24.

Tentative plans call for tours to begin at 10:00 A.M. A basket lunch in a picnic area is slated for the noon hour and 1 P.M. the afternoon session would begin. Each tour would be completed by 4 P.M. Most tours will be held in August.

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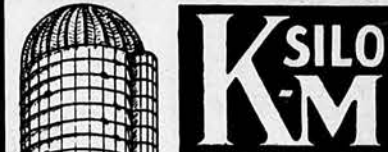
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Senior herd sire Cherry Hill Hallmark, third in get of sire at Kansas State Fair in 1950. Scotch blood through Royal Clipper. For sale some of the choice of the herd. 20 young bulls and 20 young females. Some will be at the Kansas State Fair. Calhoun vaccinated.  
9 miles southwest of Hutchinson, then 14 miles west on blacktop road.  
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**REGISTERED SHORTHORN**

For Sale. Good red bull calved March 24, 1951. A full brother was a blue ribbon winner at Kansas Free Fair in Topeka in 1951. Priced to sell.  
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Bloodlines intensely polled from 40 years of constructive breeding. 12 months to serviceable-age bulls offered. Priced reasonably.

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**REGISTERED POLED HEREFORDS**  
Four 14 months Double Standard Polled Bulls. One 7-year-old herd sire, grandson of M. P. Domino 3rd.  
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Featuring these top herd sires.

**CK CRUSTY 70TH**

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

**CK ROYAL DUKE 3RD**

bred by CK Ranch

**P. ROYAL DUKE 7TH**

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

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

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

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

**WAITE BROS., Winfield, Kansas**

**REG. HEREFORD BULLS**

12 to 18 months old. Sired by Domestic Lamp-lighter 46th and Anxiety Mixer. Top range and herd bull prospects.  
**OSCAR GIDEON, Emmett, Kansas**

**HOGS****REG. SPOTTED POLAND CHINAS**

Choice spring boars & gilts with plenty of length, deep sides, deep full hams. Sired by Kansas Model and Majestic Duke. New bloodlines and unrelated pairs. Double immune. 4 1/2 miles North.  
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**In the Field**

**MIKE WILSON**

TOPEKA, KANSAS  
Livestock Editor

**RED OAK FARMS ANGUS AUCTION** held May 19 made the splendid average of \$1,654 on 62 lots. Bulls averaged \$1,025; females averaged \$1,699. This was the 4th sale for Chester and Crystal Davidson, Rocky Comfort, Mo., and they raised their average better than \$100 per head as compared to their 1951 auction. High-selling female, at \$6,500, went to Angus Valley Farm, Tulsa, Okla. Second top, at \$6,400, went to Penney & James, Hamilton, Mo. ElJon Farms, Rosehill, Ia., paid \$6,400 to own one of the 2 females that sold in 2nd place in the auction. A Wisconsin buyer paid \$6,000 to own one of the choice females. Bull top was \$1,800; H. R. Hamblin, Chillicothe, Mo., was buyer.

Fifteen head went to Kansas buyers. This was just about 1/4 of the offering. Kansas buyers were: A. J. Gorges, Fall River; Dodson Brothers, Wichita; Pat Healy, Wichita; Windy Acres, Norwich; Rude Angus Farm, Parsons; Simon Angus Farm, Madison; P & M Angus Farm, Pittsburg; Lloyd Erickson, Marquette. Black Peer 34th of Angus Valley and Prince Eric of Ferndale were bulls featured in this sale.

On May 6 the **MID-KANSAS Ayrshire BREEDERS** held their annual production sale, at El Dorado. Without a doubt this was one of the good offerings, and probably the best sale, this group of breeders has ever witnessed. Fifty-nine head were sold for a general average of \$315 per head. Five bull calves averaged \$175. Fifty-four head of cows, heifers and heifer calves made an average of \$327 per head. G. Fred Williams, Hutchinson, consigned the top-selling bull calf at \$380, going to Martin Niehoff & Son, Lockwood, Mo. Mr. Williams also was consignor of the top-selling female, selling at \$620 to Ethel G. Bernstorff & Ralph H. Kabel, Winfield. Around 500 people attended the sale on one of the most beautiful days of spring. Condition of offering was very much above ordinary. Local demand was very good. However, 5 of the 59 head went to buyers outside of Kansas. Dwight Hull, El Dorado, managed the sale and had all details in tip-top shape. Mike Wilson and Walter Hand sold the offering.

**MARYCREST FARM ABERDEEN-ANGUS SALE**, Maloy, Ia., made the splendid average of \$2,553 on 49 lots. Ten bulls averaged \$3,852 with 49 female lots averaging \$2,287. Buyers made selections from many states with Kansas buyers taking several head. Top of sale was a Maid of Bumpers Miss Burgess yearling heifer that sold for \$14,100 to Windy Hill Farm, West Frankfort, Ill. Second top, at \$9,750, went to Simon Angus Farm, Madison. This heifer was from the Gammmer family. Merzhom Farm, Creston, Ia., paid \$6,000 for a Miss Burgess heifer. Triple S Ranch, Rosalia, gave \$5,300 for a Blackcap Bessie heifer. John and Alvin Otte, Cawker City, paid \$2,175 for a bull. Featured bull was Homeplace Eileenmere 26th, a son of Eileenmere 487th. His get and service were much in demand as the average indicates. This was the 7th auction for the John D. Warin family. The sale was managed by J. B. McCorkle, Columbus, O., with Roy Johnston as auctioneer.

**KANSAS HAMPSHIRE SWINE BREEDERS ANNUAL PICNIC** will be Friday, June 13, at the W. L. Pittman farm, 2 miles south, 1 mile east, 1/2 mile south of Mulvane. The program will start at 11 A. M. judging Hampshire swine classes, and a tour of the quarters. Good breeding stock will be available. Mr. Pittman will make arrangements for dinner. Reservations should be sent to him so he can get the number. Dr. C. E. Aubel, Kansas State College, will be the after-dinner speaker. R. L. Pemberton and Lloyd Ellison of the Hampshire Swine Registry, Peoria, Ill., will be on the program. Election of officers and plans for future consignment sales will be held during the business meeting. Ray Bergsten, Randolph, is president, and C. G. Eling, Manhattan, secretary-treasurer of the Kansas Hampshire Swine Breeders Association.

On May 19 the **ROTH'S POLED HEREFORD CATTLE SALE** attracted buyers from several states and a visitor from South America. Forty-six head of cattle were sold for a total of \$30,100 to make a general average of \$655. Thirty-one females averaged \$660 while the 15 bulls sold for an average of \$643. Top bull was Lot 3, Captain Domino 14th, brought \$1,225 and was sold to Robert A. Brumgardt, Hays. Top female was Lot 44, 3E Pawnee Girl 16th, and sold to Mecca Ranches, Fort Collins, Colo., for \$1,300. Colonel Freddie Chandler sold this fine offering of registered Polled Herefords. John Luft, LaCrosse, also a Polled Hereford breeder, was a guest consignor. Mr. Luft was the successful bidder on the 2nd top female, on Lot 32, KHR Royal Heiress, for the bid of \$1,250.

A registered Guernsey cow, Gay Marie of Elgercon, owned by MR. AND MRS. WALTER J. BUBLITZ, Walmar Farm, Olathe, put 13,273 pounds of milk and 657 pounds of butterfat into the country's breadbasket. This is according to the official Herd Improvement Registry record released by The American Guernsey Cattle Club. "Gay Marie" was a 7-year-old, was milked for 365 days. Guernsey cows on official tests have steadily increased production over the years. Average cow in the United States produces only about one half as much as average purebred Guernsey on official test. The sire of "Gay Marie" is Gayhead's His Godson; 20 sons and daughters of this bull are listed in the Performance Register of The American Guernsey Cattle Club.

The **G. W. AND ADA C. CALDWELL** Golden Cross Production Sale of Aberdeen-Angus cattle, was held May 1, at the ranch at Harlan. Seven states were represented to share this fine offering of cattle. Fifty-eight head of registered cattle sold for a total of \$40,085, averaging \$691. Eight bulls averaged \$992; 50 females averaged \$643. Top bull was Lot 8, Prince GAC 36th, bought by A. R. Peterson, Holdrege, Nebr., for \$1,775. Top female was Lot 33, Barbara of Harlanview, sold to Sunbeam Farms, of Miami, Okla., for \$1,300. This sale was the first production sale sponsored by this fine family, was considered one of the best Angus sales of season. Col. Ham James conducted this auction, assisted by various men of the livestock press.

In the first **4-SQUARE HEREFORD ASSOCIATION SALE** at Oakley, April 30, 61 registered Herefords averaged \$547. Fourteen bulls were sold for an average of \$671; 47 females averaged \$510. Top in bull section was consigned by Duttlinger Brothers, Monument, and Homestead Hereford Ranch, Levant. This was MW Larry Domino 168th; he brought \$2,100, selling to Meyer Brothers, Bethune, Colo. Top female in auction was a cow and bull calf combination, Miss Mattie and her baby bull calf by Baca R. Domino 82nd, from the Otto Dean Weigel consignment, Monument, and brought \$925. They were purchased by Harold J. Baalman, Grinnell. John Nickel, Homestead Hereford Ranch, managed the sale. Freddie Chandler was auctioneer.

The **SCHILLCREST HOLSTEIN HERD**, Liberty, Mo., was dispersed on May 24. High-selling female was a young cow recently fresh; and she sold for \$525. Her heifer calf sold for \$150. Second high cow sold for \$490; she had been fresh a few days. Her heifer calf sold for \$150. High-selling bull was the young sire that had been purchased recently from Grover Meyer, Basehor; he sold for \$425. Missouri buyers bought all of sales offering. High-selling females went to buyers from Eastern Missouri. Buyer of the largest number of head was A. L. Eldridge, Belton, Mo. Bert Powell, J. J. Wills and Dean Cates were auctioneers. This herd was established 30 years ago.

**FOUR HOLSTEIN HERDS** in Kansas recently have completed a year of production testing with the Holstein-Friesian Association of America: Eugene R. Smith and J. M. White, Topeka—28 cows averaged 375 pounds of butterfat and 10,336 pounds of milk in 297 days on 2 milkings daily; St. Joseph's Orphan Home of Abilene—30 cows averaged 483 pounds butterfat and 13,970 pounds milk in 318 days on 2 milkings daily; Dale Kubin, McPherson—15 cows averaged 430 pounds butterfat and 11,317 pounds milk in 297 days on 2 milkings daily; R. L. Evans & Son, Hutchinson—15 cows averaged 502 pounds butterfat and 13,074 pounds milk in 322 days on 2 milkings daily.

**THE ANNUAL BARBER COUNTY SPRING HEREFORD SHOW** at Medicine Lodge on April 26, was well attended. In this show Fred Root and Son showed the Champion and Reserve Champion bull and the Champion and Reserve Champion female. Other breeders represented: George Fritz, Lake City; Francis Traffas, Sharon; Doug Gill, Harper; Willis Wenrich, Sun City; Ed Powell, Hazelton; Otis Shore and Robert Shore, Coats; B. C. Forester, Hazelton, and Curt Rose, Sawyer. Also a number of 4-H steers were shown. Herman Westmeyer, Ford county agent, Dodge City, judged the show. Officers and directors of the Barber County Hereford Association are: Fred Root, president; Otis Shore, vice-president; Cal Dolle, secretary-treasurer and George Fritz and W. R. Lillqvist, directors.

**THE KANSAS PUREBRED SHEEP BREEDERS ASSOCIATION** Annual Sale May 20 at Hutchinson was very well attended. Prices received were highly satisfactory. Hampshire, Shropshire, Suffolk, Southdown, Corriedale and Dorset were breeds represented. These breeds totaled 114 head in the sale. General average was \$93 per head. One hundred and thirteen of the 114 offered were sold to Kansas buyers. More than 500 people were present to take part in the sale. Local demand was very good. A show was held prior to this sale. R. B. Eiling, Wichita, judged the show. T. Donald Bell, Kansas State College, did his usual good job of managing the sale. Colonel Harold Tonn, Haven, sold the offering.

**J. L. NELSON**, Wichita, has made a Guernsey state champion record with his registered Guernsey cow, Veda's Velvet of C. D. Her production of 14,114 pounds of milk and 655 pounds of butterfat is the highest Advanced Registry record in Kansas made by a junior 2-year-old in the 365-day division. The sire of this cow, St. Albans Actor Grandee, owned by M. F. A. Artificial Breeding Association, Springfield, Mo., has 18 sons and daughters in the Performance Register of The American Guernsey Cattle Club.

A registered Guernsey cow, Hershberger Laddie's May Rose, owned by E. D. HERSHBERGER, Hershberger's Guernsey Dairy, Newton, produced 8,970 pounds of milk and 538 pounds of butterfat in an official Herd Improvement Registry record of The American Guernsey Cattle Club. "Rose" was a senior 2-year-old, was milked for 365 days. Hershberger Laddie's May Rose is the daughter of the famous Guernsey sire, Meadow Lodge King's Laddie, that has 30 sons and daughters in the Performance Register.

I have a very fine letter from **HARRY BIRD**, of the firm of Harry Bird and Sons of Albert. This firm has for many years been famous in its production of registered Shorthorn cattle. Mr. Bird states he has had a very nice season this spring. He is sold out of breeding cattle at present, and crops in that section of the country are in excellent condition. Among recent sales of Mr. Bird are as follows: Melvin Selfies, Hudson; C. M. Jennison, Healy; Murrisson Bros., Chapman; Wilfred Smith and Everett Wilborn, Hoisington; Arthur North, McCracken, and Harry Eschelman, Sedgwick.

Ten lucky boys and girls will be recipients of Hereford or Angus calves at the unique "Red Circle" calf auction July 19 at CK Ranch, Brookville. J. J. VANIER, owner of CK Ranch and one of nation's outstanding Hereford breeders, will award top-quality calves to youths who collect enough Red Circle points—no cash—to be highest bidder. Mr. Vanier believes through such an action, interest in good breeding practices can be stimulated among farm youths.

**ANNUAL NATIONAL DAIRY CATTLE CONGRESS** will be held at Waterloo, Iowa, September 27 through October 4. For the first time in the 40-year history of the exposition, all 6 featured breeds of cattle will conduct national shows in connection with the event. Also, it will be the first occasion since 1941 that all breeds have held their shows at the same spot. Premium list for dairy cattle is now available. Write to National Dairy Cattle Congress, Waterloo, Iowa.

The **WITTER-YERINGTON** complete Shorthorn dispersal at Parkville, Mo., May 19, had 49 lots selling. They averaged \$336. Bulls averaged \$333; 37 females averaged \$338. Bull top was \$540. This bull sold to Cavender, New Market, Ia. High-selling female was a cow with twin heifer calves. The bid of \$500 from Mike Ferry, Nevada, Mo., bought this lot. Mervin F. Aegerter, Seward, Nebr., was sales manager. C. D. Swaffar and press representatives conducted the sale.

**Dairy CATTLE****HIGH POINT JERSEYS**

Two nice young serviceable Jersey Bulls from outstanding dams, classified Very Good and records over 500 lbs. fat.

**A. L. MILLER**  
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For Sale or Lease. 2-year-old Ayrshire Herd Sire. Quiet Valley Clips Double, his sire and grandsire. "Approved" dam and grand dam classified "Excellent" records over 500 lbs. fat. Purchased in 1951 National Sale. Also 7 of his calves, priced reasonable. **Raymond Landes, Morrill, Kansas.**

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Tues., June 10, 1952

Sale at 1:30 p. m.

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**Hiawatha, Kan.**

1/2 mile west on Hy. 36. 30 head. Several guest consignors.

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Cows classified and DHIA tested. Visitors always welcome.  
**LEROY HARVEY, Hill City, Kansas**

**Polled Milking Shorthorn Bulls**

Six to 7 months old. Sired by Woodside Typhoon, whose daughters are milking 30 to 32 lbs. daily as junior 2-year-olds. Located 2 miles north and 8 miles west of Osage City.  
**MAX CRAIG, OSAGE CITY, KANSAS**

**REG. MILKING SHORTHORNS**  
2 to 24 months old bulls and some bred heifers of good bloodlines. Priced reasonable. **Wiley Forner BLUE MEADOWS FARM, Rt. 2, Fredonia, Kan.**

## 4 REGISTERED RED POLL BULLS

1 year to 2 1/2 years, Advancer and Red Boy breeding.

Excellent herd sires.

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**22 Yr. Ewes, 21 Ewe Lambs**

We are not showing and will sell the show flock.

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**Show, June 27—Sale, June 28**

**THE WORLDS BEST QUALITY**  
Hampshires, Suffolks, Corriedales, Shropshires and Oxford; over 130 head sell.

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Department of Agriculture

Jefferson City, Missouri

Auctioneer—H. Earl Wright

Mark Dempsey with this publication.

## SUFFOLK SHEEP

Booklet, list of breeders free.

Write National Suffolk Sheep Association

Box T Middleville, Mich.

**• AUCTIONEERS •**

## BERT POWELL

AUCTIONEER

LIVESTOCK AND REAL ESTATE

1529 First Avenue Topeka, Kan.



## Public Sales of Livestock

## Aberdeen-Angus Cattle

October 22—Blackpost Ranch, Olathe, Kan.  
October 29—Kansas Breeders' Association Sale, Hutchinson, Kan. Don Good, Sale Manager, Manhattan, Kan.  
December 8—Annual Commercial and Purebred Sale, Dodge City, Kan. Chester I. Bare, Sale Manager, Protection, Kan.

## Brown Swiss Cattle

October 15—Tri-State Brown Swiss Association, Topeka, Kan. Ross Zimmerman, Sale secretary, Abbeville, Kan.

## Hereford Cattle

September 5—Lull Hereford Farms, Smith Center, Kan.  
September 11—12 and 13—L. L. Jones & Son Dispersion, Garden City, Kan.  
September 16—Clyde E. Holman Registered Hereford Herd Reduction Sale, Richmond, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
September 17—Forrest Booth, Wellsville, Kan. Sale at Ottawa, Kan.  
September 27—O'Brien Ranch Annual 4-H and Hereford Calf Sale, Hiattville, Kan.  
October 3—Fraser Hereford Farm Production Sale, Stet, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
October 6—Hiland Stock Farms, Superior, Nebr. Melvin Schiemeyer, Owner.  
October 6—Beeks-Cleland, Baldwin, Kan.  
October 9—Jim Ruffel, Junction City, Kan.  
October 9—Heck Herefords, Lawrence, Kan.  
October 18—CK Ranch, Brookville, Kan.  
October 21—Twin Oak Farm, Moundridge, Kan.  
October 25—Belden & Scheutz, Horton, Kan.  
October 27—John W. Spencer, Straight Creek Farms, Whiting, Kan. Sale at Marysville, Kan.  
October 28—O'Brien Ranch Annual Polled Hereford Sale, Hiattville, Kan.  
October 30—Plint Hills Association, Cottonwood Falls, Kan.  
October 31—Ely Hereford Ranch, Attica, Kan.  
November 1—4-K Sale, Hutchinson, Kan.  
November 6—Lincoln County, Sylvan Grove, Kan.  
November 7—Cowley County Hereford Breeders' Association Sale, Arkansas City, Kan. Charles H. Cloud, Sale Manager, Winfield, Kan.  
November 11—Tonn & Fishburn, Haven, Kan.  
November 11—Solomon Valley Hereford Sale, Osborne, Kan.  
November 12—Central Kansas Polled Hereford Sale, Herington, Kan.  
November 14—Premier Hereford Farm, Piper, Kan.  
November 18 and 19—Sunflower Futurity, Hutchinson, Kan.  
November 21—Golden Willow Polled Hereford Sale, Pittsburg, Kan.  
November 24—Sumner County Hereford Breeders' Association Sale, Wellington, Kan. Paul M. Philippi, Secretary-Treasurer, Argonia, Kan.  
December 5—South Central Kansas Hereford Association, Newton, Kan. Phil H. Adrain, Sale Manager, Moundridge, Kan.  
December 6—A. R. Schlickau & Sons, Haven, Kan.  
December 10—B-K Herefords, Longford, Kan. Sale at Minneapolis, Kan.

## Polled Hereford Cattle

October 20—Cowgill Polled Hereford Ranch, Milan, Mo.

## Holstein Cattle

October 8—Kansas State Holstein Association Sale, Herington, Kan. R. L. Evans, Hutchinson, Kan. Chairman State Sale Committee.  
October 23—Central Kansas Breeders Fall Consignment Sale, Hutchinson, Kan. T. Hobart McVey, Sale Manager, Nickerson, Kan.  
October 26—Nebraska State Holstein Association Sale, Lincoln, Nebr. Robt. Koehler, Fremont, Secretary, T. Hobart McVey, Sale Manager, Nickerson, Kan.

## Jersey Cattle

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

## Shorthorn Cattle

August 26—Earl E. Stoffer, Abilene, Kan.  
October 31—Mid-Kansas Shorthorn Breeders Show and Sale, Salina, Kan. Mervin Aegerter, Sale Manager, Seward, Nebr.  
November 6—State Polled Shorthorn Sale, Hutchinson, Kan.  
November 7—State Shorthorn Sale, Hutchinson, Kan.

## Milking Shorthorn Cattle

June 10—Elknh Farm Reduction Sale, Hiawatha, Kan. Delaine Hinkle, Owner, Pownhattan, Kan.

## Poland China Hogs

October 20—C. R. Rowe & Sons, Scranton, Kan.

## Hampshire Sheep

June 18—Deep Valley Farm, Flatt, Ill. Lloyd Schmeigle, Sales Manager, Canton, Ill.

## Sheep (all breeds)

June 27 and 28—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, Jefferson City, Mo.

## Coming Events

June 7—Labette county, spring beef show and horse show, Altamont.  
June 7-15—Shawnee county Who's Who Club trip to New Orleans.  
June 8-11—Smith county, 4-H camp, Rock Springs Ranch.  
June 8-11—Allen county 4-H Club camp, Camp Teel, Oswego.  
June 9—Morton county, D.I.Y. 4-H Club, Sipes schoolhouse.  
June 9—Reno county, small grain field day, (afternoon), Hutchinson field.  
June 10—Leavenworth county, dairy tour with Gerald Ward, KSC Extension dairyman.  
June 10—Ottawa county, crop tour.  
June 11—Morton county, Yucca 4-H Club, Rolla.  
June 11—Cheyenne county, Howard Grover field day and judging contest, Colby.  
June 11—Ellsworth county, crops and soils tour (county-wide).  
June 11—Thomas county, 4-H judging school, Howard Grover's farm.  
June 11—McPherson county, small grain field day, (afternoon) Canton field.  
June 11—Ellis county, small grain field day, Hays.  
June 12—Anderson county, septic tank demonstration.  
June 12—Ford county, small grain field day, Dodge City, 2 p. m.  
June 12-15—Labette county camp.  
June 13—Finney county, small grain field day, Garden City.  
June 13—Chase county, Rogers Grass Management field day, Matfield Green.  
June 15-18—4-H Camp, Rock Springs Ranch.  
June 17—Greeley county, Tribune Experiment Station, small grain field day.  
June 17—Morton county, Borderline 4-H Club.  
June 17—Kingman Experiment field day—small grains.  
June 17—Phillips county, home management school, Phillipsburg.  
June 17—Washington county, field crops insects tour, with Dell Gates and L. E. Willoughby.  
June 18—Thomas county, small grain field day, Colby Experiment Station.  
June 18—Kingman county soil conservation tour.  
June 18-20—Miami county, lesson on use of freezers, with Mary Fletcher, KSC specialist.  
June 18-21—4-H Health Camp, Rock Springs Ranch.  
June 18-25—National 4-H Club Camp, Washington, D. C.  
June 19—Anderson county, garden tour with W. G. Amstein, KSC specialist.  
June 19—Cheyenne county 4-H judging school, St. Francis.  
June 19—Brown county, Northeast Kansas district livestock judging school, Horton, Civic Center.  
June 19—Jewell county, small grain field day, Mankato, 2 p. m.  
June 20—Johnson county, small grain field day, Uhlman Farms.  
June 25—Johnson county, horticulture field visits, with W. G. Amstein.  
June 26-27—Osage county, family life leaders H. D. training school, with Mrs. Vivian Briggs, family life specialist, KSC.  
July 20-26—Farm Safety Week, sponsored by National Safety Council and Department of Agriculture.

## Study Sorghum Storage Problems

Problems of stored grain sorghum seed are being studied by agricultural engineers at Oklahoma A & M College. First year's work has involved tests of 3 methods for drying or conditioning farm stored grain: use of chemical preservative powders, natural bin ventilation, and mechanical ventilation with heated air.

The latter method resulted in most effective drying, but tests are being continued on the other 2 methods.

It was emphasized a seed grower should select a blower unit that is large enough to have capacity to force necessary air thru grain, and a burner that will produce the desired temperatures. A grower can benefit by drying his stored grain sorghums if he uses proper equipment and is careful in operation of equipment. If only a small amount of grain is to be handled, a ventilation system that uses heated air may not be economical.

Before undertaking to install a system with either heated or unheated air, ask the advice of an agricultural engineer who has knowledge of problems involved in drying stored grain.

## Win Watkins

## 4-H Scholarships

Winners of 1952 Watkins College 4-H Scholarships are Lois Ann Batdorf, Wellsville, and Gary Neilan, St. Francis. Both are 17 years old and have been active 4-H members and junior leaders. Each scholarship is for \$100, given for outstanding 4-H Club work.

# DISPERSION AUCTION

## 75 HEAD REGISTERED & HIGH GRADE HOLSTEINS

### York, Nebraska

#### Friday, June 13, 12 Noon

Sale will be held under shelter on premises of Burnham Dairy located at the south end of the main street, York, Nebr. York is on Hiway 81. 75 head of Registered and High Grade Holsteins 2 to 5 years old and 27 Heifers, Calves to 16 months old. All Tb. and Bang's tested or vaccinated. 45 cows in milk by sale day. All of them in DHIA test, some for 3 years.

This herd was high in production in Nebraska for 5 months in 1951 and was also highest in the state for the months of February and March, 1952.

Two Herd Bulls and 1 Bull Calf: Kiel City View Dunloggin Pride, 3-year-old Bull; 15-months-old Bull sired by above bull; 2-months-old Bull sired by 15-months-old bull. This is a fine opportunity to buy real foundation cows with exceptionally fine records. This is a complete dispersion sale and the herd may be inspected at any time. The dairy equipment sells before the cattle.

Everything POSITIVELY SELLS TO THE HIGHEST BIDDERS!

S. W. & GRACE BURNHAM, Owners

Phone No. 8

York, Nebraska

Forke Bros., & Ficke, the Auctioneers, 321 Sharp Bldg., Lincoln, Nebr.

## Here Is Low Cost Advertising!

### ONLY 10c A WORD

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

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

Display Classified—\$9.80 a column inch  
\$4.90 a half inch

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

Mail your ad to

## KANSAS FARMER

912 Kansas Avenue

Topeka, Kansas

## Direct WOOL Buyers

Bring or send us your clip. Small lots or large ones will receive our best attention. Get in touch with us; we will be glad to furnish you any information we can.

T. J. BROWN, 126 North Kansas Ave., Topeka, Kan.

## Give Hens

## Summer Shelter

Hens to be held for late summer and fall production will do better if summer shelters are used advantageously. Clyde Mueller, Kansas State College poultry department, says birds moved to open houses before hot summer weather sets in will show little drop in production. Also, hens may be attended with a minimum of labor by supplying water in automatic fountains.

## Woodson County

## Gets Soil Lab

Newest soil laboratory in Kansas is in Woodson county, located in courthouse basement in Toronto. The lab is being financed by a small levy which will provide enough money to purchase chemicals and equipment. It is hoped the lab will be ready to open in time to test wheat fertilizer needs for next fall, along with grasses and legumes.

## See Second Largest

## Wheat Yield

Kansas—Greatest wheat-producing state in the nation—is set for a big wheat year. The 1952 crop is forecast at 254,660,000 bushels by the Kansas State Board of Agriculture and U. S.

Bureau of Agricultural Economics. If this total is harvested, it will be the second largest wheat crop yield in history of Kansas. The 1947 all-time high was 286,702,000 bushels.

Favorable soil moisture supplies, good growing weather and enough rain have aided crop prospects. If the forecast is realized it will average 17.5 bushels per acre on the 14,552,000 acres remaining for harvest on May 1. This yield compares with 1951 yield of 13 bushels an acre on 14,773,000 acres sown. Ten-year average is 15.9 bushels an acre.

Abandonment of seeded acreage is estimated at 4.4 per cent or 664,000 acres. Last year's abandonment was heavy—34 per cent. This year's heaviest loss has occurred in southwestern areas, mainly due to dry soil at seeding time, brown mites and sharp freeze of April 10.

At prices received in mid-April of \$2.23 per bushel, the 1952 crop will bring \$567,891,800.

## Hurry-up Starch

Whenever I have a bit of surplus starch left on washday, I dip a good-size sponge into the starch, making sure it absorbs every drop. Then I put the sponge away to dry. When I'm in a hurry, I simply dip the sponge in a little warm water, and it is ready to starch such things as collars, cuffs, tiny pinafores.—Mrs. Fred Fir

## June 21

## Will Be Our Next Issue

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

## Friday, June 13

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

## TREND OF THE MARKETS

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

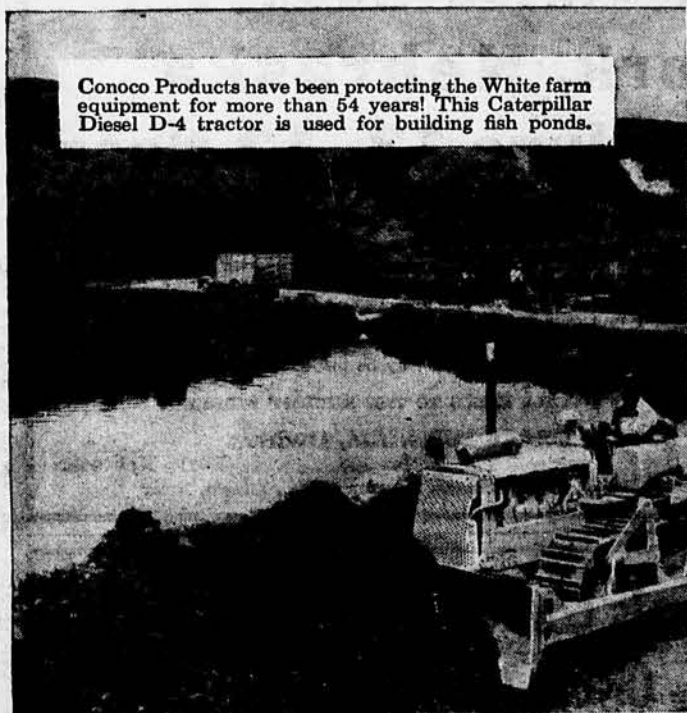
	Week Ago	Month Ago	Year Ago
Steers, Fed	\$35.25	\$36.25	\$35.75
Hogs	21.25	20.65	21.70
Lambs	31.25	31.00	35.50
Hens, 4 to 5 lbs.	.18	.21	.26
Eggs, Standards	.31 1/2	.31	.42
Butterfat, No. 1	.65	.65	.65
Wheat, No. 2, Hard	2.49	2.50	2.37 1/2
Corn, No. 2, Yellow	1.91 1/2	1.92 1/2	1.76 1/2
Oats, No. 2, White	.91	.93	.97 1/2
Barley, No. 2	1.32	1.36	1.42
Alfalfa, No. 1	35.00	—	35.50
Prairie, No. 1	25.00	—	19.50





COLLEGE OF AGRICULTURE  
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JUN 10 1952  
THE TANK TRUCK  
KANSAS

# TANK TRUCK



Conoco Products have been protecting the White farm equipment for more than 54 years! This Caterpillar Diesel D-4 tractor is used for building fish ponds.



Left to right are Dick Peterson, Jos. B. White, general manager of Paradise, and his son Clark. Also left to right—as fine a string of trout as ever made your mouth water.

## 1,500,000 Trout—That's Paradise!

IT'S CALLED the Paradise Land and Livestock Company . . . it's near Paradise, Utah . . . and it's pure heaven for men who like to eat! The company's trout production is over 150,000 pounds a year.

But that's not all! The company also annually produces about 12,000 turkeys . . . 250 head of cattle for beefsteaks . . . and 300 hogs for pork chops!

The overall operation of the organization is managed by Jos. B. White. But the detailed supervision is divided among his three sons . . . Grant F. White for poultry . . . Barnard White for the ranch . . . and B. Clark White for the fish farm (officially known as the White Trout Farm). The entire ranch covers 12,000 acres.

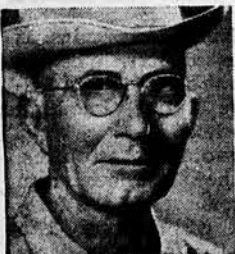
Nobody has actually counted 'em, but it's been estimated that there are 1,500,000 trout in the White ponds!

To produce these great amounts of food, the Whites depend on good equipment. And to keep that equipment in tip-top condition, the Whites have been depending on Conoco Products since 1898! Here's what Jos. B. White says about it . . .

"As far back as 1898, my father was a regular customer of Continental Oil and I have been a regular customer since 1906.

"During these many years, we have often been solicited for our business. But the fine quality of all Continental Oil products, the good service we have received from these products, and the service of Continental personnel has been of such sterling quality that we have had no reason to make a change."

Think of it, 54 years of satisfaction with Conoco Products! What better proof could you have of the high quality and friendly service of Conoco? Why don't you change to Conoco Products, now? Call Your Conoco Man, today.



"Conoco fuels and lubricants have been used 100 per cent in my 1936 McCormick-Deering tractor . . . it has had only one overhaul . . . it runs like new right now," reports C. C. Haddix, beet-hay-grain-and-bean farmer, Yoder, Wyoming.

"Conoco Super definitely gives me more hours without adding any oil . . . the motors stay cleaner . . . consumption during my busy season has been extremely low," writes Ivan Peach, hog and cattle feeder, Walnut, Illinois.



### Hot Tamale Pie

. . . by Mrs. H. H. Herwick  
Dillon, Colorado



6 cups boiling water  
2 cups corn meal  
2 t. cooking fat  
1 lb. hamburger  
1 onion, chopped  
½ green pepper, chopped  
2 cups canned tomatoes  
salt & pepper to taste  
chili powder

Sift corn meal slowly into rapidly boiling water, stirring constantly. Cook 15 minutes. Brown hamburger, onion and green pepper in hot fat. Add tomatoes—season to taste. Simmer 10 minutes. Fill well-greased baking dish with alternate layers of corn meal mush and meat mixture. Bake in 400° oven for 20 minutes. Serve hot.

### Shears for Recipes!

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

### "50,000 Miles—No Wear"

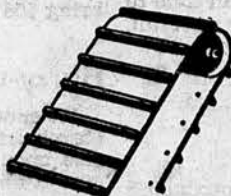


To test the wear-fighting abilities of Conoco Super Motor Oil, six brand new cars were each driven 50,000 killing miles. Crankcases were drained, while hot, every 1,000 miles . . . air and oil filters were serviced at proper intervals . . . crankcases were refilled with Conoco

Super. At the end of the test, engines showed no wear of any consequence . . . in fact an average of less than one one-thousandth of an inch on cylinders and crankshafts. This test proved that Conoco Super, with OIL-PLATING, can make your car and truck engines last longer, perform better, use less gasoline and oil.

### To Use Old V-Belts!

Used V-belts make ideal replacement slats for canvas on combines and binders. They outwear canvas and won't splinter, says William R. Koeller, Vona, Colo. Can also be used for extras between regular slats!



### To Replace Liquid!

To replace anti-freeze or liquid in tractor tires, place fluid in 3-gallon hand sprayer . . . jack up wheel, remove valve core and spray nozzle, slip spray hose over valve stem. A few strokes force liquid into tire, reports B. R. Shaffer, R. 4, Beatrice, Nebr.



### SAWS FOR IDEAS!

Send your original ideas to The Tank Truck, Dep't E, Continental Oil Company, Ponca City, Okla., and get a genuine \$10.25 D-15 Henry Dinston Hand Saw for every idea that's printed!

CONOCO

YOUR  
CONOCO MAN

CONTINENTAL OIL COMPANY