

# Kansas Farmer

MEMBERS of Duck Creek Pals 4-H Club, Lyon county, open meeting with song as Mrs. Chester Wright, leader, and Donald Lawrence, county 4-H Club agent, join in. Members, left to right, front row, are: Karen Shunk, Donna Shunk, Carolyn Barrett, Arlene Moore, Mary Ida Godfrey, Dale Stead. Back row: Kenneth Moore, Mrs. Wright, Mr. Lawrence, and Cecil Staley.



TEACHING CRAFTWORK is just one of the many things Mrs. Chester Wright has done for young people in three 4-H Clubs during her 25 years of service. Here she is teaching craftwork to Kenneth Moore, Carolyn Barrett, Arlene Moore and Dale Stead.

## It's National 4-H Week

Congratulations to all Kansas club members, and especially to the many inspired men and women who so faithfully devote their time and energy in outstanding adult leadership

SINCE March 1 to 9 has been designated National 4-H Week there could be no better time to recognize one thing without which 4-H could not exist—adult leadership. "Kansas is particularly fortunate in the type of adult 4-H leadership available," says J. Harold Johnson, state 4-H Club leader. "In Kansas we have hundreds and hundreds of outstanding farm men and women who are devotedly giving their lives to the welfare of 4-H work. To these inspired men and women should go major credit for whatever success 4-H has achieved in Kansas."

Two of these leaders recently completed 25 years of 4-H Club work. They are B. N. Cooper, of Osage county, and Mrs. Chester Wright, of Lyon county. We have asked them to share with you some of the highlights of the years they have worked with your boys and girls. [Continued on Page 34]



HIS LOVE for young people and cattle led B. N. Cooper, Osage county, to give 25 years of service to 4-H Club leadership. He directs activities of the North Osage County Livestock 4-H Club.

# 4-H

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# Farmers Buy What They PREFER . . . and

## Farming Firsts

**First Farm Jeep** is now in the Smithsonian Institution in Washington, D. C. Fred Heine, Lucas, Kan., banker and cattleman, owned the original farm jeep.

**Movable-frame Bee Hive** was invented by Lorenzo L. Langstroth, of Ohio. He perfected it on October 5, 1852.

**Phineas P. Mast**, of Ohio, originated the horse cultivator that displaced hand-hoeing.

**America's Oldest Farmers:** The American Museum of Natural History reported in 1948 that one of their expeditions found remains in Peru which indicated farmers lived there in about 3,000 B.C.!

**First Lending Agricultural Products** to foreign countries by act was the Lend-Lease Act of March 11, 1941. It provided for the lease-loan of war materials including agricultural commodities or articles in the interest of the defense of the United States.

**First Organized Fight** against foot-and-mouth disease and rinderpest attacks on livestock was authorized in an act of February 23, 1947, to co-operate with the government of Mexico in control and eradication activities.

**First Prolific Variety** of cotton was developed by David Dickson in Georgia about the time of the Civil War.

**First to Introduce** a flock of Merino sheep to the United States, and to establish them in the country for wool and fine woolen production, was David Humphrey. In 1801 he shipped 25 rams and 75 ewes from Spain to Connecticut.

**First U. S. Congressional Agricultural Committees** were in 1820 (House of Representatives) and in 1825 (Senate).

**First known wheel vehicles** were used in Sumer, in the Euphrates River Valley, and were 4 wheelers drawn by donkeys, in about 3,000 B. C.

**First Farm Paper:** The American Farmer was the first farm paper in the United States, printed in Baltimore on April 2, 1819. Ten years later, 4 others had started.

**On the Right Track:** Over 1,900 years ago, Emperor Nero of Rome enjoyed a forerunner of today's ice cream. He used fast runners to bring snow from mountains to be flavored with nectars, fruit pulp and honey.

**First National Forests** were established March 3, 1891, when an act authorized the reservation of public lands as forest reserves.

**First Farm Seed Catalogs:** Benjamin K. Bliss, of Massachusetts, originated the first ones when he printed a folder in 1853.

**First practical threshing machine** was produced in the United States in 1837, by 2 brothers in Maine—Hiram and John Pitts.

## KANSAS FARMER

Continuing Mail & Breese

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Topeka, Kansas  
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ARTHUR CAPPER...Publisher (1893-1951)  
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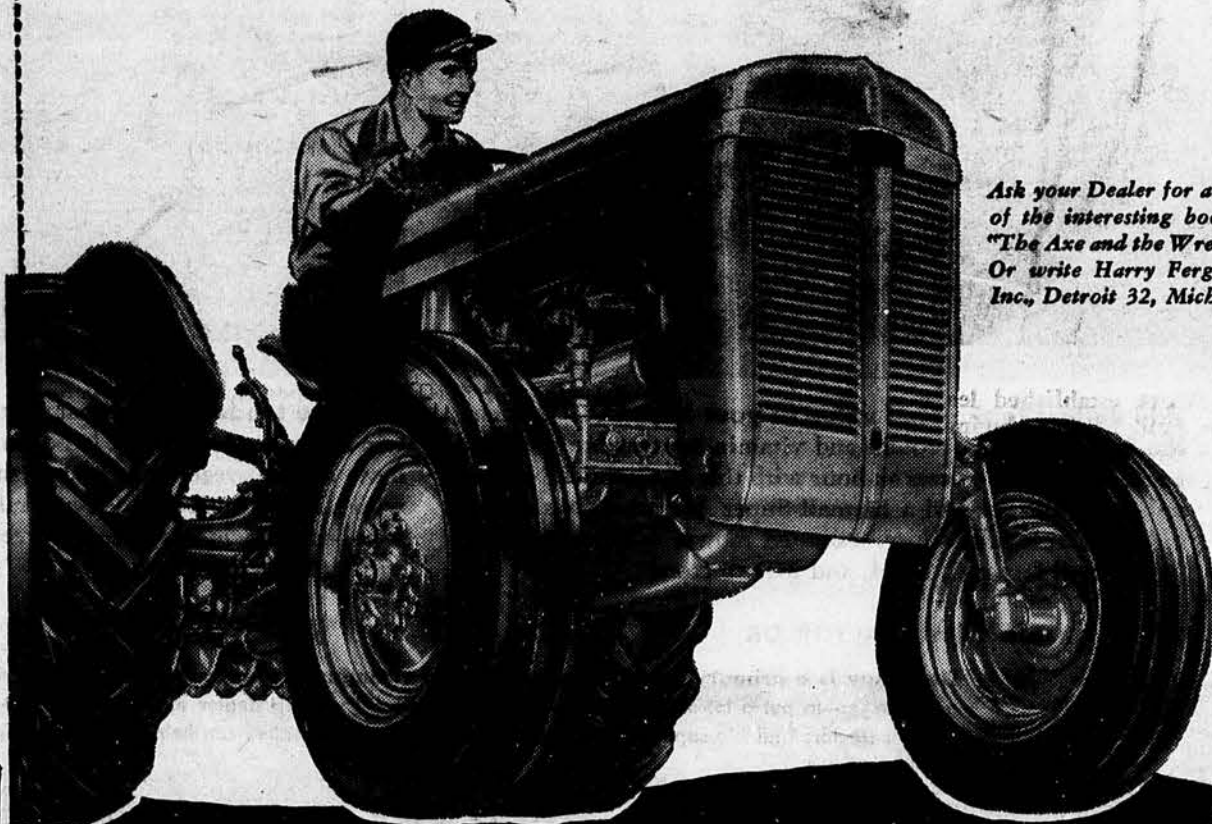
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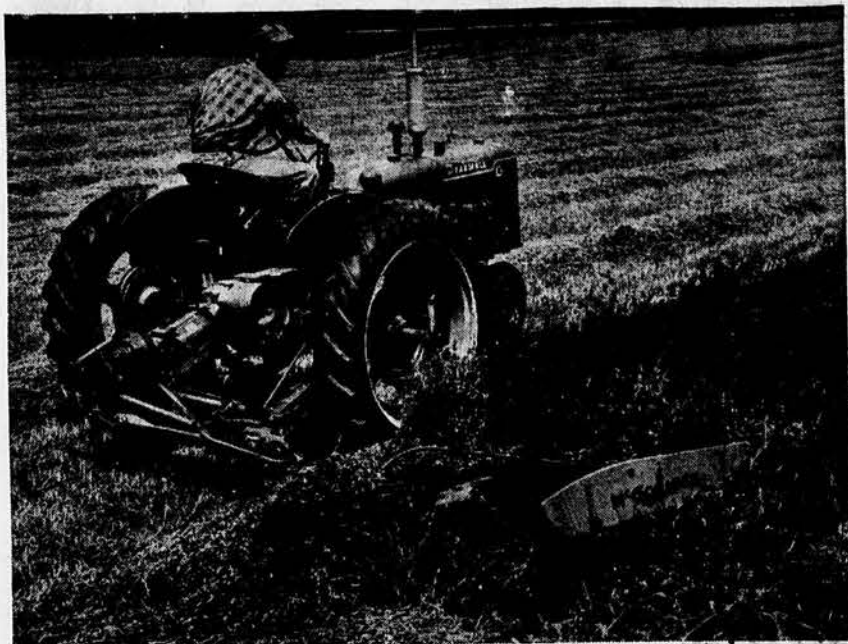


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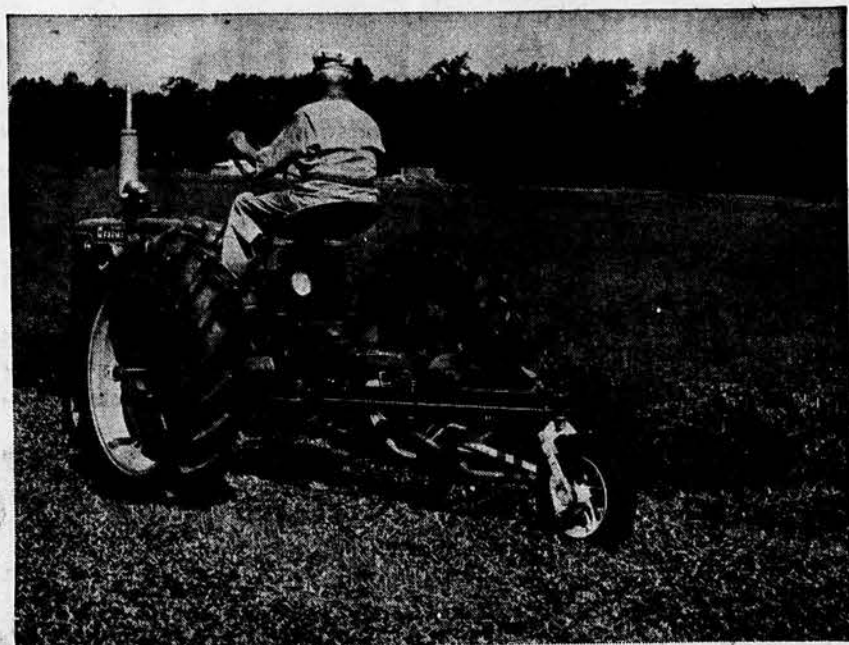
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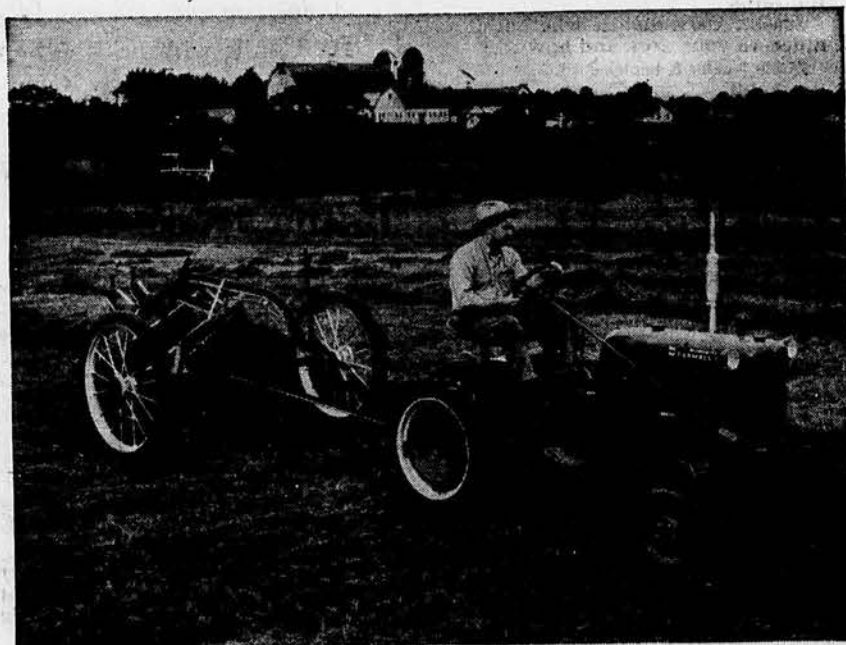
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## Dairymen Asked These Questions

**WHAT** problems are bothering Kansas dairymen these days? Well, here are questions they asked, with answers, at the question-and-answer period at Farm and Home Week, Manhattan.

**Question:** How much antibiotic should you feed to a calf?

**Answer:** Give ½ teaspoonful of Aurofac daily in milk to calves up to 3 or 4 months old. Older calves should get a teaspoonful. If "Aurofac 2" is used, cut dose in two.

**Question:** Is chopped hay as good as baled?

**Answer:** Generally speaking, no.

**Question:** Does substituting Black-hull kafir for corn contribute to sterility?

**Answer:** Not if fed properly in a grain mixture.

**Question:** Do sorghum and corn fed in large proportions contribute to mastitis?

**Answer:** No evidence feeding low-protein diet contributes to mastitis.

**Question:** What is the main cause of compaction of rumen?

**Answer:** Overfeeding; too finely-ground roughage; too much grain to roughage, or too little water.

**Question:** Will wheat-germ oil correct sterility?

**Answer:** No.

**Question:** Does chopped hay contribute to Ketosis?

**Answer:** No evidence to that effect.

**Question:** If hay is chopped, should you still use crusher?

**Answer:** Yes.

**Question:** How about Kentucky 31 Fescue for Kansas?

**Answer:** Depends on whether it is adapted to your area and how it is being grazed.

**Question:** How do orchard and brome grass compare on palatability?

**Answer:** Brome is palatable for a longer period. Orchard grass does have a place in some areas of Kansas, but needs to be managed carefully.

### Plan Your Dairy Barn

Are you planning to build a new dairy barn, or maybe remodel an old one? A new bulletin will help you. It's called "Planning the Dairy Barn," published by Barn Equipment Association, Chicago. It's a revised bulletin, with more pages and new information. Anyone can have a copy by sending us their name on a postal card. Write to Farm Service Editor, Kansas Farmer, Topeka.

## Name Winners in Lamb Production Contest

**WINNERS** are announced in the 1951 Kansas Market Lamb Production Contest of the Kansas City Chamber of Commerce in cooperation with Kansas State College Agricultural Extension service.

**Class I** (1 to 3 ram unit) winners are: Wayne E. Curry, Goodland, Sherman county; Sam Regier, Whitewater, Harvey county; J. G. Curry, Goodland, and Eldo Steele, Halstead, Harvey county.

**Class II** (4 ram unit or larger) winners are: Don Grant, Ellinwood, Barton county; Ralph Samp, McCune, Crawford county; L. D. Morgan, Goodland, and Floyd Pickett, Goodland.

Each of 4 highest scoring flock owners in each class receives a bronze and walnut plaque. Name of sweepstakes winner will be announced May 12, and

**Question:** How does beet pulp compare with bran as part of a grain mixture?

**Answer:** Bran is preferable.

**Question:** Is ladino clover good for Kansas?

**Answer:** Generally, no.

**Question:** How about Reed canary grass for Kansas?

**Answer:** Has good feeding value if grazed at about 10 inches high, and if hay is cut when grass is at early head stage. Adapted to wet areas.

**Question:** How about oats for hay?

**Answer:** Good if cut just as it starts to head, but there is a very short period when it will make good hay.

**Question:** Is Reed canary grass good for land that catches several inches of silt each June?

**Answer:** Brome grass is better, but nothing may work.

**Question:** How about sand love grass for dairy pasture?

**Answer:** Will work if ground is sandy. In Western Kansas dairymen may have to use it to have a well-rounded grass program.

**Question:** What clovers make best dairy pasture?

**Answer:** 1st- and 2nd-year sweet clover, especially Madrid.

**Question:** Should Sudan be clipped if it gets ahead of cows?

**Answer:** Sudan needs good start before turning in cows. If you do clip you need to use good judgment as to when. Raise cutter bar 6 inches if you clip. Better to keep 2 or 3 small fields of Sudan and enough cows to keep even with it.

**Question:** When is Sudan poisonous?

**Answer:** If you use certified Sudan seed instead of just Sudan seed you will have little or no trouble with poisoning.

**Question:** Does sweet Sudan have any advantages?

**Answer:** It is more palatable, more uniform, but get adapted varieties.

**Question:** Is sweet Sudan worse about poisoning?

**Answer:** Apparently not, altho some dairymen have reported losses.

**Question:** What grasses are best for land that has an extremely high water table?

**Answer:** Ladino clover and bird's-foot trefoil.

**Question:** What is best kind of fly spray?

**Answer:** Methoxachlor and Lindane are best for dairy cattle and barns. If barns are sprayed thoroly outside and inside you may not need to spray cows at all.

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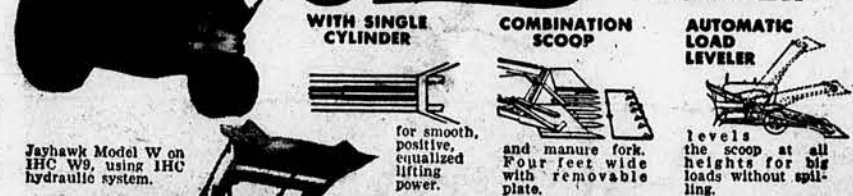
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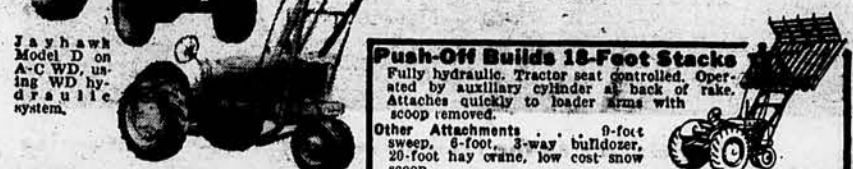
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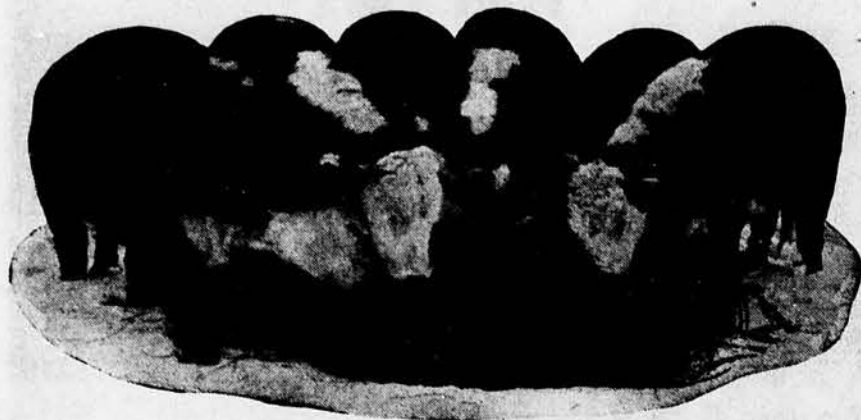
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No. 1 in a series of articles by  
a former county agent who says . . .

## Let's Take a Trip To Hawaii!

By Preston Hale

**D**EAR Editor: (November 28, 1951.) What do I expect to see in the Hawaiian Islands, as a farmer and a former county agent? I shall see 50 years of the influence of American "know-how"—more progressive than here on the mainland in a like number of years.

I expect to see a beautiful land, rugged because only 6 or 7 per cent is tillable.

The U. S. Department of Agriculture and sugar and pineapple industries have conducted research equal to the best in the world. Modern machinery fitted to the agriculture of the Islands has been in use for years. Much of it was created in the Islands. Plant breeding is far advanced. Many Kansas State College graduates have or are now working on agricultural problems. The big effort is to produce much of the food needed for the rapid increase in population.

Dear Editor: (December 1, 1951.) We enjoyed our flight (from Kansas City) which was non-stop to Los Angeles in 7½ hours. Then we flew on to San Francisco. . . .

The eastern two thirds of Kansas looked very good—green wheat everywhere. There were some spots where erosion was severe. The eastern slopes of the Rocky mountains looked gray, one or two places looked as if there were dust storms in action. The mountains were covered with snow which will supply water to irrigate the many intermountain valleys. These valleys looked very nice. . . .

The Golden Gate bridge (San Fran-

cisco) with its 4,200-foot span is a marvel of engineering and to think the Missouri Valley Bridge Co., Leavenworth, played a big part in the building. Blueprints were drawn in Leavenworth.

We had some sea food down on fisherman's wharf. Don't miss it when in San Francisco. We sail this afternoon on the S. S. Lurline, for Honolulu.

Dear Editor: (December 2, 1951, at sea.) We were supposed to sail at 4 o'clock last night, but due to high wind and tide we were unable to leave the dock until 9 o'clock. . . .

It was a beautiful sight to see the shore lights as we moved into the bay backwards with aid of tugs. When out in the bay and there was no danger of pounding the ship against the dock, we turned and headed out to sea, by Alcatraz prison and under Golden Gate bridge. . . .

This is a wonderful boat, S. S. Luxury Liner Lurline. They just do everything for your comfort. Movies last night—library—lounges—deck chairs. . . . Beds are the best. . . .

Oh yes, after we sailed the steward came with a large basket of fruits and nuts of all kinds from the finest folks in the world to me—my co-workers at Snyder Chemical Co. (of Topeka).

After Mrs. Hale said, "We'll just keep it for the time when we camp out on Oahu," a piece of paper was slipped under the door saying, "Eat it big boy, you can't land with it (for fear of bringing in some pest to plague the Hawaiian Island farmers)."

(Continued on Page 7)



PINEAPPLE SLIPS are planted by hand, only major field operation which has not been mechanized. A planter punches a hole thru a mark in the mulch paper, then inserts a slip with the other hand.



BOB SINGLETON, left, and Preston Hale, right, watch Logan Hazen "thump" a pineapple to see whether it is ripe. Mr. Singleton is assistant superintendent of planting with the Hawaiian Pineapple Company, and Mr. Hazen is assistant superintendent of harvesting.



## Kansans in Hawaiian Islands

There are many Kansas State College graduates and former students now living and working on the Hawaiian Islands.

Preston Hale tells of a group of folks who were students at Manhattan when he was, and recent visits with them.

Albert J. Mangelsdorf is in charge of plant-breeding experiments for Hawaiian sugar industry. Him AK Ching is president of American Security Bank at Honolulu. Fu Kau Lee is with the Territorial Department of Health. Fay Elisha McCall is with the University of Hawaii. John Carlson Ripperton is director of Territorial Experiment Station. Hazen Logan is assistant in charge of harvesting for Dole Pineapple Company, on Oahu.

C. I. Kern, Robert Singleton and John Neuschwander are recent Kansas State College graduates now connected with the pineapple industry in the Islands.

Dear Editor: (December 3-6, 1951.) You know, there's a lot of water out this way. When we were half way on this trip (1,033 miles) we were the farthest from land of any point in the world. Also, there are 6 miles of water underneath us. . . . The speed of the Lurline has varied from 18 to 22 knots due to weather conditions.

This morning we saw a few flying fish—they were very small—8 inches or so and almost as blue as the water. Despite the fact we're one day away from Hawaii, everyone is wearing a sweater or light coat. The boat officers report the ocean temperature at 72 degrees now. A few albatross birds have been following the boat since the 2nd day out. There are many more now. They never move a wing, just float on the air waves. They feed on refuse thrown overboard, which is plenty.

### Meet Lots of Folks

We have met a lot of fine folks . . . happen to be the only Kansans aboard. There are several farmers from the West Coast area, mostly Oregon apple growers. . . .

All decks are washed down every morning to remove salt water which coats everything. Despite all the moisture, painters are working all the time, scraping off rust and wiping dry before painting. . . .

This is a lazy daisy trip; one I hope everyone can take sometime.

Dear Editor: (December 8, 1951.) I am really in a whirl—this is all so new to us. There was a lot of hustle and bustle the last few miles of our ocean voyage on the Lurline. We came into Honolulu harbor at 7:45 o'clock in the morning. A tug came alongside and many friends loaded with lei for their friends. Even we received the daisy chain. Hawaiian boys filled the water, diving for coins.

We docked at 9 o'clock—the welcome was almost overwhelming—hundreds of folks waving, bands playing and those Hawaiian songs, plus "hulu" girls.

### Study 4-H Work

We were met by C. W. Ferguson, who is here doing a study of 4-H Club work in the Islands. Mr. Ferguson is state 4-H Club leader of Colorado and is at present on leave of absence. C. J. Kern, former 4-H agent in Osage county, had planned to meet us but . . . was away on business; he called us last night.

We could take some lessons from these folks on beautiful streets and yards—this is off-season for flowers but they have lots of them, even now.

We have been out on the beach each day and went out-rigger riding this morning—it's a thrill to ride the waves. Haven't enough nerve to ride a surf board as yet. . . . Nearly every meal there is something new—tried poi this noon; it's made from taro root. Takes the place of potatoes and grows in paddys, like rice.

We took a 100-mile trip over Oahu and saw acres and acres of pineapples and sugar cane. We also saw some of the most beautiful scenery ever. Low mountains almost straight up and down and sloping valleys like velvet.

Work here is never done; it's a con-

### A Kite for Springtime

Springtime isn't springtime unless boys are out flying kites! It's lots of fun, and Uncle Cordy, *Kansas Farmer*, Topeka, has a leaflet on kites, giving ideas on how to make a kite at home with materials around the house. Price, 3c.

happily together, but are a curse to the Island farmers. . . .

You should see the big Holstein herds; seem to be all in dry lot, and green forage is hauled to them. We also saw one Hereford herd.

Dear Editor: (December 9, 1951.) We left our luxury hotel, the Royal Hawaiian, to fly over to Molokai, the island almost due east of Honolulu. Everybody flies . . . it's just a hop, skip and a jump and you are on another island. . . . In 40 minutes we were at Molokai air base. From the air, Molokai looks drab except for red soil and bush-covered gulches and flat seashore areas. You would think you were in Mexico or foothills of Arizona. Molokai suffers from low rainfall; what they do get comes in flash floods washing round boulders and trash over their seashore roads. They get the most rain near Kamakou mountains, which are about 5,000 feet high. . . .

We noticed when flying over Molokai some stone walls that circled out into the sea and back to the shore, like a bale on a water pail. We were told they were fish storage ponds so early Hawaiians could have fish whenever they needed them. They were community affairs and built by passing stones from one person to another.

While Molokai is not usually visited by most tourists, it does have some wonderful sights and a lot of history. It was the first island to have an airplane land on it from the mainland. These folks out here are proud to be a



A. J. MANGELSDORF, Kansas State College graduate of 1916, now working on sugar cane research in Hawaii, looks over sugar cane blossoms.

part of the U. S., however they would like to be a state.

On Molokai we found several old friends. Cockleburrs grow about as well as they do in Kansas. Caster beans grow wild and seem to be ever green. Common goats have gone wild and are numerous in the rougher parts of the mountains. . . . There also are lots of wild hogs, quail, pheasants and rats—no snakes. Coconuts just lay around. People have more than they need not

(Continued on Page 39)

### MANY POULTRYRAISERS REPORT

# No Coccidiosis Losses PAY WAY Chick Starter



## TO HELP YOU GROW BIG BEAUTIFUL BIRDS!

For a flock you'll be proud to own, start your chicks on Pay Way Extra Rich Chick Starter containing Full-Strength Aureomycin. The discovery of "the wonder drug," Aureomycin, has completely changed chick feeding methods. The feeding of Aureomycin with a correct combination of other important ingredients such as those used in Pay Way has produced amazing results. Chicks fed modern, scientific Pay Way Chick Starter grow faster, feather quicker than on old fashioned feed. What is important to you is they get more growth per pound of feed. Many Pay Way users report raising 3 pound birds in 7 to 9 weeks—That's a fine growth record. Try for it. Big, Beautiful Birds are a joy to own—Give your chicks the chance to grow into Big, Beautiful Birds. Pay Way Extra Rich Chick Starter containing Sentrex, Aureomycin, Vitamins and Proteins can help you do it. They are all in the bag—There's nothing extra to buy—feed only Pay Way Extra Rich Chick Starter.



### JOIN PAY WAY'S 100% CLUB

Each year more and more poultryraisers are displaying their membership card in Pay Way's 100% Club. You are eligible if you raise 100% of your chicks. This year start your chicks on Pay Way Extra Rich Chick Starter. If you raise 100% of your chicks write us for your special award.

PAY WAY FEED MILLS, Inc., Broadway and Third, Kansas City, Mo.

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Don't let Coccidiosis rob you of profits. Even the best poultry raiser cannot detect Coccidiosis until it is well on its destructive way. Pay Way Extra Rich Chick Starter contains Sentrex, the miracle ingredient that will protect your baby chicks against outbreaks of Coccidiosis. Give them that protection. Pay Way Extra Rich Chick Starter protects them day in and day out with every bite they eat. There is no guesswork—Nothing to mix. Nothing to fix.

If you lost chicks last year from Coccidiosis you owe it to yourself to feed Pay Way this year. You have a good chance to raise 100% of your chicks. Good chicks fed Pay Way are strong and vigorous. You'll be surprised at how fast they feather out—how quickly they take on size and weight—how pert and peppy they are.

Pay Way Extra Rich Chick Starter is safe, simple to feed. So why worry? Save every possible chick. Chicks protected by Pay Way have shown amazingly fast growth on less feed. In one test the difference between feeding ordinary feed and feed containing Sentrex meant the difference between a \$50.00 loss on one flock and a \$200.00 profit on the other. Feeding Pay Way Extra Rich Chick Starter can easily mean more money in your pocket.



YOU, TOO, WILL SAY:

"PAY WAY is the finest Chick Starter I ever used!"



## Precious Little Damage On These Farms

By A. E. McClymonds, Regional Director  
Soil Conservation Service

**E**ROSION is credited with having levied a \$200,000,000 toll in damage on upland farms and ranches in the Kansas flood area in 1951, and contributed much to the silt load in main streams and tributaries.

Precious little of this damage to the upland occurred on farms and ranches where complete conservation plans had been applied on the land and properly maintained, however. Nor did those farms and ranches contribute appreciable amounts of silt to the floodwaters.

This became more and more apparent as the Soil Conservation Service received reports, and employees had an opportunity to interview farmers to learn what happened.

In each case, the experience is substantially the same:

Water that could not be held on the land was forced to go the way the farmer wanted it to go—by way of terrace channels and grassed waterways.

There was some silting in terrace channels where row crops were grown.

Some terrace breaks occurred, but none reported so far where the water was able to break thru a series of terraces on its way down hill; it was stopped and sent thru terrace channels to the waterways.

### Water Was Mostly Clear

During the storms, most of these farmers watched water coming off their land for indications of what was happening. As soon as they could, they got out and examined the farms. The color of the water in the waterways ranged from "clear enough to drink" to slightly roily.

Two farmers interviewed are Roy Gfeller and Pete Ritter, whose farms are in the Republican river watershed. Both are co-operating with the Geary soil conservation district—Gfeller, a member of the district board of supervisors. Both have had complete soil conservation plans established on their land for some time, Gfeller for 10 years and Ritter for 6.

"I've been over the whole farm and can't see any sign of damage," Gfeller said. "Did I watch the water in my waterway? You bet I did. It ran a foot or more deep and looked clear enough to drink."

He explained that while his land is terraced, it also is farmed in contour strips so every other terrace is in a grass-alfalfa mixture. Structure of soil has been improved greatly thru use of grass and alfalfa in crop rotation.

"We had a foot of rainfall in 4 nights," Gfeller said, "and kept it under control. As for the wet season . . . I'll take it any time in preference to dry years. Besides protecting land, this conservation has improved production a good deal."

Ritter, on the other hand, had some sorgo that had been planted late and had made little growth.

"Oh," he said, "there was a little overtopping of a couple of terraces, but they weren't damaged. Naturally, some silt was washed down to the terrace channels and will have to be plowed out."

But as to damage. He doesn't figure he suffered any worth mentioning. The wheat fields were still smooth, so he was able to harvest the wheat while it was still good.

One waterway, which gets water from a farm above in addition to water from his terraces, suffered some cutting but nothing serious.

### It Pays Well

"Does it pay? Well, I got my wheat, didn't I?" Ritter grinned. "But seriously, protecting the land like this and keeping good soil at home has paid well."

Further east, in the Osage watershed, L. B. Froette, Jerry Hobbs, Dwight Williams and Ernest Tawney, co-operating with the Franklin soil conservation district, told their experiences. The first 3 live a mile north of Princeton, where 2 highways cross, and Tawney about a mile west of town.

"If there was any damage, I couldn't see it," Froette remarked. "None of my terraces overtopped. The only place I figure I could have had trouble was where the water had swept newly-cut hay to a terrace channel."

A lot of water ran thru the spillway of the pond, he said, but did no cutting that he could see.

"I have some land that was damaged, tho," he said. "It is some I rent, which has not been terraced. It was cut up pretty badly. It shows what my land would have looked like if it hadn't been protected by conservation. But instead, my fields are smooth."

Hobbs, whose father started the conservation plan in 1936 in co-operation with the CCC camp, before the soil conservation district was organized, has continued to make improvements in the conservation setup since he took over the farm.

"I guess I lost a little soil, because the water that ran off the fields was a little discolored," Hobbs said. "But I'd hardly say I suffered land damage except at one place. One bottom terrace broke, but the break was too low on the slope for water to do much. There was a ribbon of silt less than a foot wide and as long as the break was wide in the grass at the foot of the field. There also was a little cutting in one waterway."

### Wants a Drop-Inlet

He has a large dam that was full when the big rains came. The spillway handled a lot of water, he said. Now, he continued, he wishes he had a drop-inlet thru the dam so the water level would have been low.

"I'd like to have seen how it would have worked," he said. "It's my opinion I would have controlled the flow of the runoff from this place."

Hobbs has only to go across the road for confirmation of his opinion. Williams' pond has such a drop-inlet thru the dam and, according to Williams, no water flowed thru the spillway. Drainage to the pond is mostly grassland.

"And oh, how it rained," he said. "It rained so hard water from another drainage on the farm ran a foot or more deep across the highway, but it was almost clear."

Williams has been ill, so could not get over the farm soon after the storm. The color of the water that crossed the highway, and which came mostly from row crop, convinced him little damage had been done.

Drainage to his pond and the farm's waterways are principally brome grass.

"Brome grass is wonderful stuff," he



UPPER PICTURE shows L. B. Froette farm, mile north of Princeton, taken shortly after flood of Osage river. Note absence of any evidence of damage to land following severe rains that caused Kansas floods in July, 1951. In background is Dwight Williams farm, showing large pond equipped with drop-inlet. No water flowed thru spillway of that pond. Lower picture shows contrast on unprotected land not far from farms shown in the upper picture.—Photo by Soil Conservation Service.

exclaimed. "Look how it took the flow of the water from this land and down the waterways, and it isn't hurt at all."

Tawney farms 3 rented places. He wasn't able to get to 2 of the farms during the big storm, he said, but was out in the rain on the place where he lives. He started his conservation plan 7 years ago. But before that he had experience on his dad's farm where "conservation has improved production so he gets a nice living from a place considered pretty small for a family."

"Water flowing in the waterway at this place was slightly roily," Tawney explained. "But that was to be expected. You're bound to have some soil move when the ground is saturated and a heavy storm like that comes along."

But so far as damage to land is concerned . . . he found no terraces had been overtopped by water; there was

some silt in terrace channels. "Not much more than I expect normally, tho," he concluded.

Roy Deay, about 7 miles south of Lawrence, and Perry McPheeters, 2 miles north of Baldwin, are 2 in the Douglas soil conservation district interviewed. Their farms are in the land draining to the Kansas river.

Deay, who built all but 2 of his terraces with a moldboard plow, reports water falling on his farm had to go the way he wanted—out thru grassed waterways. There was no overtopping of terraces.

"Water that came off the land protected by cover crop (alfalfa or grass) was clear," Deay explained, "but that which came off the row crop was slightly discolored. A little silt in the terrace channels is the only evidence of soil moving. Fields are smooth—no cutting evident at all."

### Really Saved the Day

McPheeters has both some bottom land and some pretty steep land in his place. The bottom land was just plain wet and you couldn't do anything about that. But he said the conservation plan really saved the day.

"The terraces held . . . no breaks at all," he explained. "The water was kept flowing surprisingly slowly thru the terrace channels to the waterways, and it was clear. If the water had been carrying any silt to speak of, there'd be some evidence in the grass, but I can't find any."

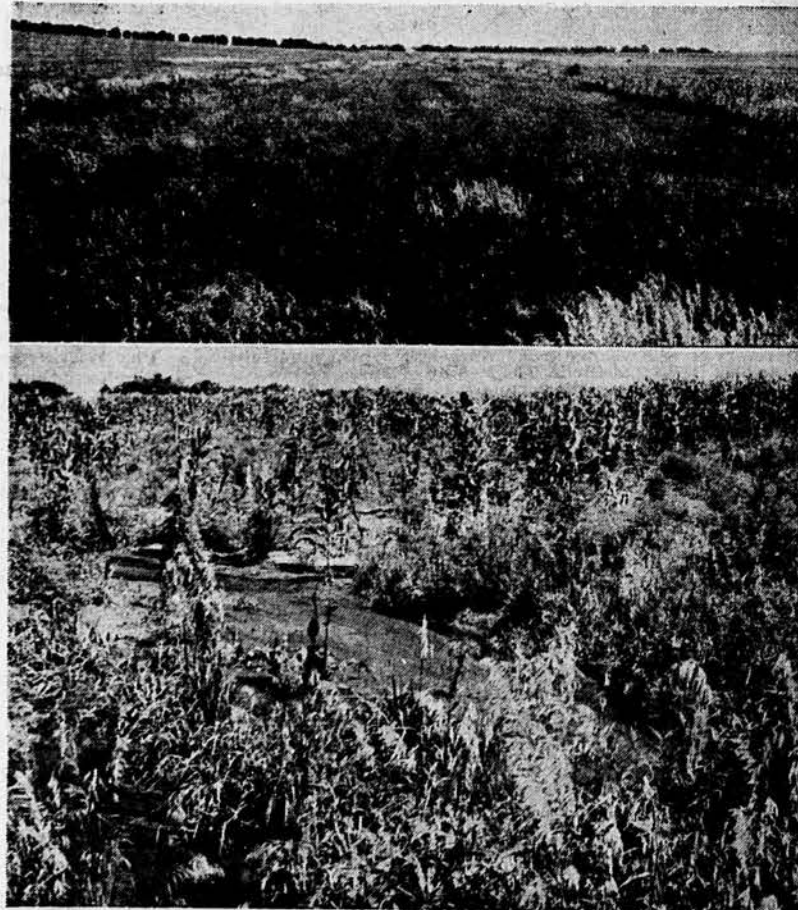
McPheeters started on his conservation plan 5 years ago. Terraces and contour farming are necessary but by no means the whole answer is conservation farming, he explained. He practices a crop rotation so no land is in crops more than 2 years in succession; the rest of the time it is in grass or alfalfa or a grass-alfalfa mixture.

"The structure of the soil is a whole lot better than it was," he said. "This makes it possible for the soil to take in more water and hold together better. Water can't move it so easily. I consider this rotation just as important as any other part of the conservation program."

"Can a farmer really afford it? On my place, at least, production has increased materially since I put this conservation plan on the land . . . bigger yields while the land is in cultivated crops, so I don't have to cultivate so many acres. And I have more land producing grass for pasture, hay and seed."

Just how much water these farms had to handle is indicated by the fact the season was too wet for alfalfa in the Osage and Kansas river drainages. Farmers there got a good first cutting of alfalfa hay, then the alfalfa plants

(Continued on Page 31)



TALE of 2 waterways during rains that produced peak floods in Kansas in July, 1951. Upper waterway receiving flow from protected land is undamaged and an examination showed little silt deposited in it. Lower picture is lower end of an excellent waterway that had been established but the conservation plan was only getting under way. No terraces yet—deep silt deposited in the grass.—Photo by Soil Conservation Service.



# Kansas Farmer

## News and Comment

### What You Don't Know

**R**EMEMBER the old saying, "What you don't know can't hurt you?" There may be some truth in it under certain circumstances. But the other day Larry Schwarz, who writes "Thoughts To Live By" for *Kansas Farmer*, put it this way: "What you don't know can destroy you." That makes a person think!

How about the fellow who didn't know the gun was loaded? How about early lack of knowledge regarding soil erosion? If we had no facts about crop diseases and pests, about livestock ailments; if we didn't know anything about soil testing and use of fertilizers; if we knew nothing about modern machinery, just where would food and feed production be right now?

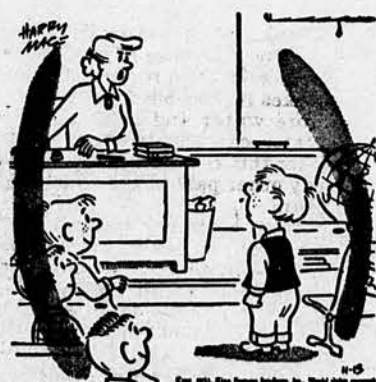
There are plenty of things we don't know about farm production. And new problems are developing all the time that must be solved. For that reason every dollar turned over to Kansas State College for research and experimental work is a dollar well invested. We can be sure it will be returned to us many times over in better crops, improved livestock, labor saving, pest and disease control, a higher standard of living for all, and better trained citizens to man our agriculture and industry.

Walter C. Pierce, who farms near Hutchinson, voiced the thoughts of a good many Kansas farmers when he urged more funds for the college. Speaking at Farm and Home Week in Manhattan, he pointed out that Kansas ranks 11th among all states in net farm income, but we are 41st in amounts appropriated for agricultural research. There isn't a man, woman or child living in Kansas who hasn't been helped by Kansas State College. There isn't a single farm that doesn't grow better crops and livestock because of the help of Kansas State College. That has happened even with Kansas in 41st place so far as investing money in research is concerned. What would happen if we boosted that research money up to 11th place? Knowledge and sound facts developed by Kansas State College certainly do prevent the destruction of our agriculture.

### Behind on Grass

**H**OW well do we know native grasses in our area? The Bureau of Plant Industry now knows of 6,000 grass species growing in this country. This brings to mind Dr. F. C. Gates' publication from Kansas State College showing 301 members of the grass family identified as native to Kansas.

Prof. Kling Anderson, Kansas State College



"I'm not accusing you of anything... I just want you to tell me who shot Alexander Hamilton?"

agronomy department, has classified the more common of these as follows: Generally found thruout the state are big bluestem, little bluestem, tall or sideoats grama, Sudan. Generally in Eastern Kansas are awnless brome grass, orchard grass, crested hairgrass, prairie dropseed, porcupine grass, grama grass, sesame grass. Further west is eragrostis trichodes, and then turkeyfoot, blue grama grass, hairy grama grass, needle and thread. Important grasses on the high plains are buffalo and Indian grass. Along river banks and where water stands, reed canary grass, prairie cordgrass or sloughgrass, Arrowfeather, altho not too abundant, provides good forage in Eastern Kansas.

A 30 per cent increase in forage crop yields is believed possible by Dr. R. M. Salter, chief of the U. S. Bureau of Plant Industry, who says we are 20 years behind in forage crop breeding as compared to other crops such as corn.

### Two More "Firsts"!

**W**HY wasn't last year's sorghum crop better? Rated one of the best Kansas ever had, something kept it from being even larger. What was wrong with it? What can be done about future crops?

You will find the answers in this issue of *Kansas Farmer* in the article, "Best Sorghum Crop Could Have Been Better," on page 13.

But that is only the beginning! Because this is the first in a very special series of articles telling what your research scientists at Kansas State College are doing to make your crops produce more abundantly. Best authorities on problems of Kansas crops will show you how they dig into these problems, what they find, what they recommend to correct the troubles. These articles will be among the most important you ever have read—most important to you and the welfare of your farm and family.

And here's another first! Last issue *Kansas Farmer* promised to bring you an "easy chair" trip to Hawaii. So in this issue you will find on page 6 the first of 4 articles in letter form by Preston Hale, former county agent and farmer, who tells about the things that would be especially interesting to you.

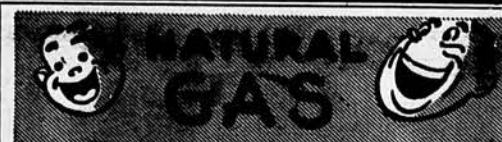
You won't want to miss in this issue: Interesting Facts About Kansas Crops by Gordon West; what Dwight E. Hull has to say about dairying; "Thoughts To Live By" written by Larry Schwarz; Grandma; questions dairymen asked at Manhattan; what Frank Payne has to say about growing flowers; where the traveling Williams family has been; what William G. Amstein has to say about gardens; Marketing Viewpoint; Have You Heard; Stratton on national events; and farming articles of lasting help.

### Friend and Enemy

**W**ATER can be your best friend and worst enemy. That statement originally was made about fire, if our memory is correct. But it certainly applies to water. Without it we would perish. With too much of it in the form of floods it can wipe out our farms and factories, even our lives.

Right now all of us are intensely interested in water control. Proper control can mean a cash profit this season. "In areas of Kansas where rainfall is a limiting factor," says Dr. Harold Myers, Kansas State College agronomy department head, "we have an obligation to make maximum use of the rain that falls. If we could save an additional 2 inches of rain now going away as runoff, it would increase wheat yields 7 bushels an acre."

We can have some measure of control over



"A family was driving in the Rocky mountains when their 4-year-old daughter said, 'Daddy, these mountains are pretty, but when are they going to rock?'"

"Yes, dear," said the dutiful wife, "men can keep a secret just as well as women can, but it takes 3 times as many of them to keep it half as long."

"The husband who brags that he's boss and runs things around home usually refers to the vacuum cleaner, lawn mower, car, baby carriage and errands."

Boy Friend Tom sneaked up behind his girl friend, covered her eyes with his hands and announced, "I'm going to kiss you if you can't tell who I am in 3 guesses."

Girl Friend: "General MacArthur, Senator Kefauver or Churchill."

"A man soon learns how little he knows when a child begins to ask questions."

"Honestly now, have you ever met anybody who gave you so much trouble as yourself?"

We don't know much about the future, but we certainly hope there will be a lot of it.

water as it falls on the soil. We can terrace, contour farm, seed grasses. Slow it down where it falls, allow time for more of it to soak into the ground, prevent it from washing away valuable topsoil. But can we control rainfall? Apparently this can be done to a certain extent.

Dr. Vincent J. Schaefer, research scientist with General Electric Co., Schenectady, N. Y., brought out this point at the recent annual meeting of the Kansas State Board of Agriculture. He said some method of evaluating man-created storms is needed so such efforts can be regulated by law. Seeding clouds is so simple, he says, anyone could do it by building a campfire and putting silver iodide crystals in the fire. The trouble is, however, such unregulated seeding endangers the whole idea of controlling rain and snow, because overseeding drives clouds away or prevents their formation.

One resolution of delegates to this meeting asked that Kansas State College start such a study of what is happening to storms in Kansas as a result of cloud seeding. Such research is necessary before adequate controls can be drawn up. Four states now require a license for cloud seeding.



"I know you can learn to cook after we're married—but start practicing while your father is paying for the raw materials."



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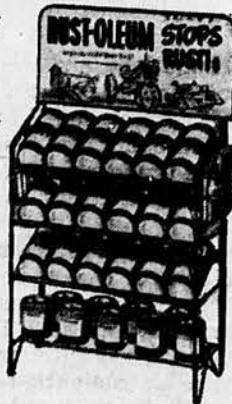
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## Sulfa Drug Protects Famous Kansas Herd

By SEWARD H. FOOTE, JR.



CHAMPION: SF Larry Mischief 7th, champion bull 1951 Polled Hereford sale, Louisville, Ky. Purchased by Joe O'Bryan, Hiattville, for \$20,000.

A PRODUCT of medical research has solved 2 major problems of a famous show herd at Hiattville. Shipping fever and pneumonia used to be dreaded diseases to showman Joe O'Bryan. His herds of Polled Hereford cattle and Hampshire hogs are famous on the show circuit, and his outstanding animals have been used as foundation stock all over the United States.

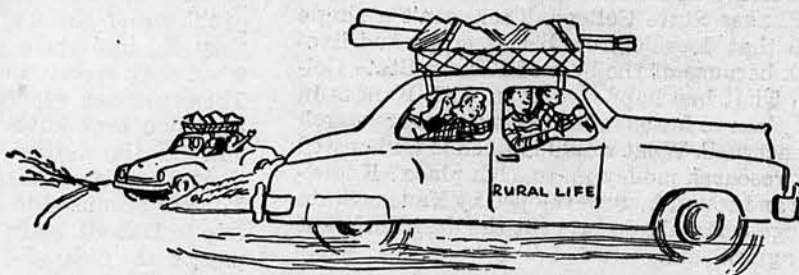
Since discovery of sulfamethazine, losses on the circuit, as well as in home herds, have been practically eliminated by prompt use of the sulfa drug at the first indication of either disease.

Animal health and disease prevention are of primary concern to Mr. O'Bryan, for the 20,000-acre O'Bryan Ranch carries a normal complement of

3,000 head of purebred Polled Hereford cattle, and about 300 registered Hampshire hogs.

The present senior herd sire is ERR Victor Tone 4th, a \$10,000 investment. His bloodlines will blend with those of SF Larry Mischief 7th, champion at the National Polled Hereford sale in Louisville, bought by Mr. O'Bryan at the sale for \$20,000.

A planned breeding program for both cattle and hogs is responsible for the many blue ribbons won at Kansas City, Denver, and Chicago in the last several years. However, even more important to Joe O'Bryan is the potential success of his many friends and customers who use his stock in upgrading their own herds.

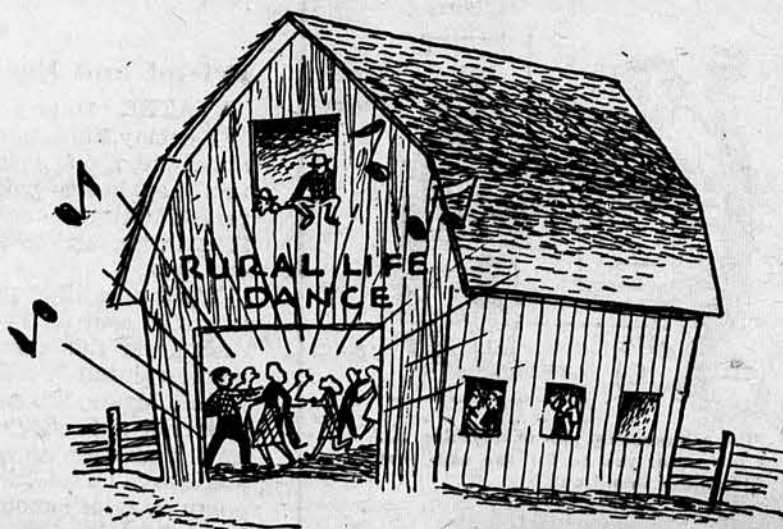


### You're Invited to KRLA Conference . . .

Remember the dates! March 6 to 8 for annual state conference of Kansas Rural Life Association. Event will be on Kansas State College campus, Manhattan.

Velma McCaugh, assistant state 4-H leader, reports groups from most of the 34 county organizations plan to attend. Events scheduled include a get-acquainted party and a meeting of district directors the first day, and entertainment by county groups. There will be barber shop quartets, Scottish dance groups and vocal trios. Officers for 1952 will be elected during meetings.

Interest in Rural Life Associations is directed toward the 18-to-30 age group. Members need not have been active in 4-H work.





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# Kansas Can Be Proud of Top Angus Herd

By RUTH McMILLION

**R**ALPH GARDINER, of Ashland, has one the top commercial herds of Aberdeen-Angus in the United States, as judged by the Angus Breeders Association fieldman after surveying 6,000 herds. The herd is the result of a definite feeding program and use of champion Angus bulls.

Back in the early thirties Mr. Gardiner started in the cattle business with about 12 head of Shorthorn cows. At that time a prominent rancher advised him to get a good Angus bull. In

which he exhibited at the Kansas City Fair; the first polls to appear in an American show year.

Cancer eye, which takes heavy toll in the South and West is unknown in Angus herds. Due to black pigment in the skin of Angus they also are resistant to pink-eye and seldom bothered with snow blindness. Angus breeders say an Angus bull is Nature's most efficient dehorner, therefore no dehorning wounds and screwworm infestation.

Mr. Gardiner normally plans his calf crop from September to the first of the year, and expects to sell calves as the cows wean them in July and August; the calves weighing in excess of 500 to 600 pounds a head. Angus cows produce plenty of milk for their offsprings.

The record of Mr. Gardiner's Angus at stock shows is really gratifying. They have showed at the Denver National Western since 1946 and always won first or placed in the top ten. In 1946 their steer placed first among several hundred calves. In 1947 they had one reserve champion, one 6th and one 10th.

In 1949 Helen's steer was the first



RALPH GARDINER, of Ashland, has done an outstanding job building a top Angus herd in wheat country.

1933, he bought a champion black bull from a breeder in Iowa who sold him the calf and hauled it out for \$85. Today the cost of any bull Mr. Gardiner buys runs into 4 figures, and he has 6 grandsons of Prince Ehrlic of Sunbeam, highest-selling bull in the world.

From the Shorthorn-Angus cross Mr. Gardiner got 30 or 40 cows and sold them in 1942, then bought 90 purebred Angus heifers. Today, after 10 years, he has his present herd of about 400 breeding cows plus his heifer calves and has sold from \$12,000 to \$20,000 worth of calves a year.

The Gardiners have one son, Henry, a junior at KSAC, Manhattan, and one daughter, Helen, a freshman at Manhattan.

Both Henry and Helen are interested in farming and cattle and have been successful 4-H workers. Mrs. Gardiner, a former teacher, takes a personal interest and is a most capable farm wife. In 1950 she toured Europe 6 weeks with the Associated Country Women of the World and was well qualified to exchange ideas and promote good-will in behalf of American farm women.

## Won Many Prizes

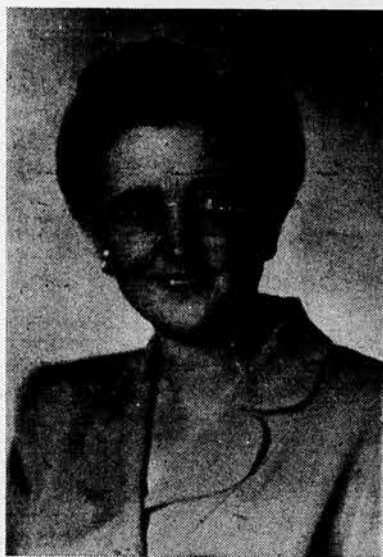
Mr. Gardiner's interests are not confined to cattle. He also raises quarter-horses which have won grand championships in Texas and Arizona, as well as 2nd place in Denver National Western, 1st in Oklahoma Northwestern Horse Show at Shattuck and 1st in Ashland.

In their cattle feeding program the Gardiners plan to be entirely self-sufficient, raising all of their feed. Their land consists of 3,700 acres of wheat, 300 acres of planted cane and alfalfa and 4,000 acres of grassland; some bottomland is practically sub-irrigated, only 5 feet to water. From their live-water streams they have not had to cut ice to water livestock in 20 years.

Mr. Gardiner considers his success in cattle breeding due to keeping cattle contented with an abundance of shelter, feed and water. He uses wheat pasture as far as conditions permit, but cane is planted in wheat fields and windrowed to have when wheat is covered with snow. Cane also is sowed and bound in part to protect against storms.

Mr. Gardiner really feels the "Bonnie Blacks" are superior. Angus are excellent foragers and are able to stand extreme climatic conditions. They originated in the rough country of Northeastern Scotland where winters are severe and vegetation sparse.

First importation of Aberdeen-Angus into the United States was made in 1873 by a retired London silk merchant, George Grant, native of Banffshire, Scotland, then living in Victoria, Kan., imported 4 bulls, 2 of



MRS. RALPH GARDINER, despite a busy farm life, finds time to devote to Farm Bureau, Red Cross, 4-H Club work, among many other activities.



A GLIMPSE of some Gardiner Angus on range. These cattle have worked well in the big-scale method of farming in Southwest Kansas. This ranch includes 4,000 acres of grassland.



HENRY AND HELEN GARDINER with one of Henry's calves at Manhattan. He showed the heifer at the Angus Futurity, Louisville, Ky., August 4, 1951, in a class of 41 head and placed 10th. Henry wanted his calf with him during the school year so he could feed and take care of it. He is a junior and Helen is a freshman at Kansas State College.



HOME of Mr. and Mrs. Ralph Gardiner, Ashland. Modern, beautiful, it is proof, along with the successful farming system and top Angus herd, that Western Kansas can do anything.

steer pulled from the line by the judge, but due to the fact it was unfinished it took 10th.

Perry Workley, foreman and buyer for the Columbia Tank Company which always has a strong line of cattle in the show and wins many prizes, bought this steer as a personal project. He fed it out and showed it at the Cow Palace in San Francisco where it was grand champion.

In 1947 Henry's steer was grand champion of Kansas State Fair, Hutchinson.

In 1949 there were 4,000 steers or 115 carloads at the Northwest Cattlemen's Sale, Texhoma. Mr. Gardiner's cattle were judged grand champions of this show over all ages and classes, and the packer-buyer judge declared them the best Angus feeder steers he'd ever seen.

Mr. Gardiner's plan of increasing his herd is to keep from his calves the type of heifer they like, which constitutes one half to two thirds of his crop and he is constantly in search of better bulls. He seeks bull calves that are not grain

fed, buys them and likes to raise them under his range condition. He finds bulls raised at home more serviceable in that they retain their flesh and vigor better because they are more adjusted to their environment.

Part of the Gardiner cattle are sold locally and part at public auction which draws buyers from many states. One of Iowa's largest feeders said the Gardiner cattle were the best he'd ever had in his feed lots.

In 1950 Mr. Gardiner's steers averaged 571 pounds per head and \$180 apiece. The cull heifers when weaned from the cow, \$200 a head. His calves topped the sale at public auction by \$2 per hundred the last few years.

In 1952 the steer calves sold at public auction on August 23 and averaged from \$39.80 to \$41 per hundredweight or \$210 a head. In December the cull heifers averaged \$277.50 a head.

Thus the Bonnie Blacks have everything plus a gratifying profit for Mr. Gardiner, who guarantees that profit by his shrewd ability as a farmer and cattle-breeder.

## "Until Dinner Is Ready"

**Pouring it On:** The quantity of heat the sun has been pouring on the earth has increased a quarter of 1 per cent during the last 20 years, comments U. S. Department of Agriculture. Smithsonian's scientists took 16,000 measurements on top Mount Montezuma, in Chile. It's reported this additional heat has had a distinct effect

on temperatures and climates all over the world.

**Last Roundup:** About 70 per cent of all livestock now comes by truck to the nation's 66 leading stockyards according to National Highway Users Conference, Inc.

**Corn Belt Corn:** Three fourths of the nation's corn is grown in America's "Corn Belt." From 40 to 45 per cent of the world's corn is grown there. That area is about one tenth of the country.

**The Weaker Sex:** According to the Institute of Life Insurance, women live longer than men, on the average. White women have an expectancy of 71 years at birth and white men, 65.5 years.

**Burning Buildings:** Four farm buildings will burn every hour this year unless farmers follow safety and fire protection rules, says the Farm News Digest.

**Elbow Grease:** Farm output per man-hour is now about twice what it was 40 years ago, estimates U. S. Department of Agriculture.

**Money Grows on Trees:** More than 4 million woodland owners in the U. S. harvest regular "tree" crops for cash, according to the American Forest Products Industries. More farmers are finding ways to obtain extra income from their wood lots.

**A Drink for Crops:** Indians early learned the art of irrigating their farm lands, even before the white man appeared on the continent. Ditches in New Mexico and Arizona have been estimated to have watered at least 250,000 acres.

**Save That Feather:** New uses are being found for poultry feathers! Scientists have transformed waste feathers into a meal, which is useful as fertilizer, also may serve in building construction, as an adhesive, or as a feed supplement!

**Brother's Keeper:** Today, one farm worker in the United States produces enough for himself and 14 others, states the U. S. Department of Agriculture.



**No. 1** in special series telling what Kansas State College research scientists are doing to improve your crops

## Best Sorghum Crop Could Have Been Better

WHILE last year's sorghum crop was one of the best Kansas has had, a deficiency of iron in the soil kept the crop from being even larger. Unfortunately, states in the western half of the United States, including the western half of Kansas, are also affected.

Two members of the Kansas State College staff are studying this soil condition, iron chlorosis of sorghums, and have arrived at some definite conclusions. R. V. Olson, of the K-State agronomy staff at Manhattan, has been working on the problem since 1947, and Carl Carlson, agronomist at the Garden City branch experiment station, has been studying it since 1949.

The iron deficiency results in stunted growth or death of sorghums. It also affects other vegetation such as shrubs, trees, some fruits and vegetables. Symptoms are yellowing of leaves, particularly the newest ones. In moderate cases, leaf veins will be green and the remainder of the leaf yellow. In extreme cases, the entire leaf becomes white.

This deficiency has been noted in most counties in the western half of Kansas, particularly those in the southwest. It is spotted, Olson says, usually occurring in areas of fields. Sometimes

entire fields are affected. In these instances, the sorghum plants die when they are a few inches high or growth is stunted and no grain develops.

Some farmers recognize they have this lack of available iron in certain fields and do not plant sorghums there.

While there has been some question about the cause in other areas of the United States, Olson says in Kansas it is known the cause of sorghum chlorosis is iron deficiency in the soil. This has been shown by using radioactive iron as a tracer.

"These experiments give hope the condition can be corrected. However, most soluble compounds of iron are quickly fixed by the soil and are not available to growing crops.

"In our studies," Olson added, "we have found several slightly soluble iron compounds that will remain in the soil long enough to control the iron lack for at least 6 successive crops. We are studying these in our greenhouse to determine how long they will last. We have observed them now for 6 crops.

"Unfortunately the compounds that are effective are too expensive for field-scale use."

Olson said there is another method that can be used to provide needed iron. It is by feeding plants thru their leaves with a ferrous sulphate spray solution.

"We have found 3 sprays a season can overcome iron chlorosis in many cases. We apply the first spray when plants are about 6 inches high and the second and third sprays at 10-day intervals.

"This method is fairly practical," Olson added. "However, we are not certain we can get the spray applied at the right time. It can be done with ordinary power spray equipment that many farmers have."

The spray solution that has been used by K-State agronomists in their experiments is a 1½ per cent solution of ferrous sulphate (13 lbs. ferrous sulfate per 100 gallons) in the first spray and a 2 per cent concentration (17 pounds per 100 gallons) in the last 2 sprays. Rate of application is 50 gallons an acre.

In explaining the iron study project, Dr. H. E. Myers, head of the agronomy department, said Olson is doing the laboratory and greenhouse studies at Manhattan, and Carlson the field work at the Garden City branch station.



Raymond V. Olson

## World of Difference Milking Cows Now



Mrs. Glen Bertenshaw, Montgomery county, demonstrates handy washbasin installed in milk room of a recently remodeled barn. A similar basin is installed in milking parlor. Even tho there is no running water in the barn, anyone could install this type of basin to help make milking easier and more sanitary.

IT COST only about \$1,000 in actual money for the Glen Bertenshaws, of Montgomery county, to remodel part of an old horse barn into a grade-A milking parlor and milk room. "But it

made a world of difference in work required to do the milking," says Mrs. Bertenshaw.

"We were doing everything the hard way before," she reports. "Now the milking job is almost a pleasure by comparison. I've always wanted to do the milking in a nice, clean barn. I wouldn't trade back for anything."

And the change is proving profitable, too. Increased income for the Bertenshaws on 11 cows is about \$4 a day, which will pay back the investment in the first year.

Corrugated aluminum was used for the remodeling job. In the milking parlor there are 5 stanchions in a single row. Cows stand facing the partition that separates the milking parlor from the old section of the barn. Mr. Bertenshaw has used this to advantage by putting a feed slot in the partition along the length of the feed bunk. This feed slot is nothing more than a hinged flap about 12 inches deep, hinged at the top, and opening up in the old section. Grain is fed thru opening without running in and out of milking parlor.

Altho they do not yet have running water in the barn, the Bertenshaws have installed washbasin racks of simple design in both milk room and milking parlor. "They certainly are a big help," says Mrs. Bertenshaw.

### For Thorny Plants

I use a pair of tongs, the kind made to remove eggs from hot water, when I handle plants that have thorns. Tongs are easy on hands and do not hurt plants.—Mrs. M. L. H.

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## Let Your DHIA Records Tell a Complete Story

By DWIGHT E. HULL

IT IS our opinion DHIA should always be spoken of as Dairy Herd Improvement Association and not as cow testing association, and that a DHIA supervisor should be called just that, and not a cow tester. To us, Dairy Herd Improvement means a great deal more than just cow testing.

Nearly all 30 DHIA associations in Kansas, involving some 650 herds, have just completed their annual meeting and have a summary of the year's work of their association. So it seems a very good time for each dairyman who belongs to a DHIA association to again review all information from his association report and his herd book.

Dairy specialists in charge of DHIA in Kansas tell us there is considerable trouble finding and keeping DHIA supervisors. Some reasons for this situation might be: First, members are not getting as much out of DHIA work as they should, partly because to them it simply is cow testing and not Dairy Herd Improvement work. Consequently they feel their cost is too high now and are not willing to increase the supervisor's salary.

Second, many members seem to fail to fully co-operate with the supervisor. Consequently he does not have all necessary information to complete all tables in the book that have a very important bearing on herd improvement.

### Good Records Boost Profits

Our intention is to point out some things we feel DHIA work has done for us, and why we feel our most real satisfaction and enjoyment as well as profit come by having a complete record of performance of our herd thru Dairy Herd Improvement records. And to the man who is making his living with dairy cows and is not a member of a DHIA association, we feel he is missing the most interesting and enjoyable part of his work.

The astonishing thing about DHIA work is the longer you keep records the more valuable they become and the more interesting they get.

It is true your first few months in an association you may not feel too impressed and maybe wonder whether it is worth the change. But don't be discouraged. There are great returns for you, more the longer you stay with it.

The other evening we were checking over our DHIA records and discovered the 2 cows we have left in our herd from our original purchase of registered cows came from the same farm. Not so amazing, you could probably remember that without records. But wait a minute. We also discovered all of our present herd, with exception of one, trace to animals that came from that same herd. Further research into our records showed the reason for this was the animals from this herd were more closely related to other animals with known production records, while most of the animals that had passed out of the picture, as far as our herd was concerned, were not backed by records of their performance. As we searched out this information we began to speculate on how much better off we could have been if we could have had such information when we purchased our foundation animals.

### Record Kept Since 1946

Records we have in our present DHIA book were begun the first of 1946, the first year, I believe, the present type book was used in Kansas. Our records go back to the date of our original purchase, but earlier records are not in as usable form as these later records.

A glance at our Ten Year Herd Summary page shows us that every year since 1946, with the exception of one, our herd has a higher average production each year. This makes us happy, altho our average is still rather ordinary and not as high as we want it. However, if this page had revealed no increase, or perhaps a year or two we slipped a little, it should have meant just as much to us if we were trying to be honest with ourselves. We would have known something was wrong with our breeding, feeding or management and could have or should have proceeded to remedy the situation.

Also on this page are recorded total amounts of different roughages and concentrates we feed each year. What

value is that? Well, it depends a great deal on how careful we were with ourselves when we told our supervisor each month the amount we were feeding each cow. Of course, we all want to produce a pound of butterfat as cheaply as possible.

Aside from the fact that a dairyman should know accurately what his feed costs are there is another mighty important reason that could mean a lot of dollars to him. Here it is: Last fall, when the Wichita Milk Producers were trying to get the price of milk raised largely because of the shortage and high price of feed, our manager needed figures that were accurate on cost of producing milk. This evidence would be almost the deciding factor in whether we got a raise, something every dairyman was clamoring for. To get this information he naturally turned to producers who were keeping records. But much to his surprise, he found many records he could not use.

### Financial Plans Aided

Aside from all this it is financially important to be able to say to yourself in the fall, when your crop is mature and you know what your feed supply will be for the coming winter, "It took so much alfalfa hay and silage to feed my cows last year according to my DHIA book and I now have 6 more head, I will need so much feed this year." Then a little arithmetic will tell you whether you are short or long on feed. If it turns out you are short, fall always is the cheapest time to buy what you need.

Then on this same Ten Year Herd Summary sheet is a table called Ten Year Progress in Improving Your Herd. Ours surely didn't look good the first year we filled this in, as every cow was down in the lowest square. But we feel better this year as it is the first year we haven't had any in the lowest square, and the majority are in the 2 highest squares. This table really gives you a fine picture of your herd improvement.

It always is interesting to look over the pages of each cow's record. Two or 3 or maybe 6 or 7 yearly records of a cow, all in one place, can reveal a good many things. Why is Blossom's record so uneven? What happened to Lily? Look at Nancy, how each year she has improved; now look at Beauty, this isn't fair to her, that is my fault, I let her stay outside one cold night and she froze her teats and she didn't do well the rest of her lactation; yes, I can see several places where I slipped, but how about the calving record? It's all right there on each individual page. Judy calved every year just like clockwork. Pansy had 5 straight bull calves, but good old Jonquil had 6 straight heifers. This and more is revealed to the dairyman and his DHIA supervisor if the records are all in proper place.

### Keep Bull Records

But what about the bull? He is supposed to be 50 per cent of any herd. Well, there are several pages in the back of the DHIA book to keep the bull records. Our book reveals since 1942 we have used 9 different bulls. But because we have a DHIA record we have practiced rigid culling, so our book shows altho we have used 9 different bulls, the females we have raised and now have are sired by only 4 different bulls, this in spite of the fact we have never purchased a female since our original cows. Also, records show 11 out of 19 in our present milking herd are sired by one bull and the most daughters, in the milking herd from any other bull, is 2. Yes, we were able to prove the bull from which we have the most daughters, something we couldn't have done without DHIA records. This bull's daughter increased production over their dam's 2,312 pounds of milk and 123 pounds of butterfat.

The Herd Analysis sheet in the back of the book properly filled out sums it all up. There you find what cows are doing the best job of reproducing for you. And after all, a cow is just as important as a bull as far as the offspring from that cow is concerned. And most real producing herds are based, on 1 or 2, maybe 3 or 4, cow families. So this page reveals the cow families as well as the sires that are siring the better-producing cows.

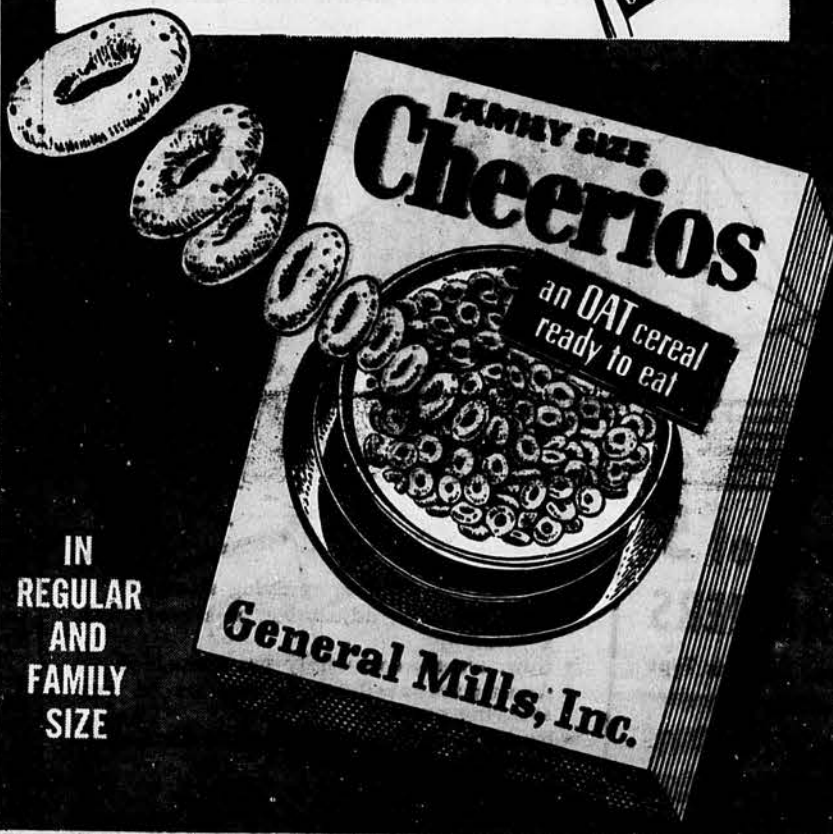


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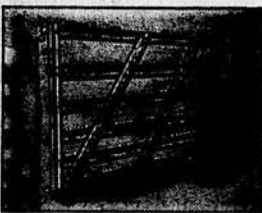
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No. 2 in a series on interesting facts about Kansas crops . . .

## Wheat—The "Staff of Life" Crop

By GORDON WEST

**W**HIEAT, most valuable of cereal crops, was grown thousands of years ago in the Mediterranean sea area. Wheat was first grown in the Euphrates region and the Nile river valley.

In Egypt, wheat became one of the most important crops, and was honored by the country. A total of 17 varieties of wheat have been found in Egyptian mummy cases.

With raising wheat in the region of the 3 great river deltas (Nile, Euphrates and Indus) the first civilization in the history of the world began, says the American Museum of Natural History. Wheat, barley and millet are the cereals appearing first in the history of civilization. Later came rye, oats and rice—all started out as wild grasses.

Since wheat is superior for bread-making, the crop has been tops in popularity for centuries and is used as a symbol of life, since many believe wheat is the basis of all civilization. From this belief and from Bible teachings, bread has come to be known as the "staff of life."

The spread of wheat cultivation has paralleled the development of civilization. From the Valley of the Nile in 5000 B.C., growing wheat spread to the Euphrates and Indus regions in 4000 B.C., then to China in 2500 B.C. and to England in 2000 B.C. Wheat was first planted in the United States in 1602, in New England. In 1611, it was planted in Virginia, also the birthplace of Indian corn, as we know it.

Wheat production in America grew by leaps and bounds. In 1860, the national wheat yield was 260,146,900 bushels; in 1950, 1,026,755,000 bushels. An increase of 766,608,100 bushels in 90 years. For years, Kansas has led in wheat production, and is known as the "Wheat State"—her fields of waving golden grain are pictures of lasting beauty.

Fine bleached papers and boards can be made from wheat and rye straws and bagasse, comments USDA yearbook for 1951. Straw paper and boards are in commercial production in practically all grain-growing countries, except the United States and Canada. Except for the relatively small tonnage used for corrugated paper and cigaret paper, much of the United States straws and other residues are being wasted. Experiments are being continued in various parts of the country to find new uses for agricultural residues.

The "Indian" wheats (Pawnee, Comanche, Wichita) are among the most



popular wheat varieties grown today. The Kansas Agricultural Experiment Stations has been a leader in development of many hard, red winter wheats.

There are many "kings" and "queens" in American life today, but perhaps the most important agricultural "king" is the "wheat king." Each year, many Kansas counties name their "wheat king," and many of these winners receive free trips to such events as the American Royal Live Stock Show at Kansas City, and the International Live Stock Exposition, at Chicago.

## Coming, Next Issue . . .

"They're Sitting Pretty in Lyon County" is the feature story in the home department of the next issue of *Kansas Farmer*. Meaning that furniture upholstery has been going on there among home demonstration units for about a year. Read about this activity under Kansas Farm Home and Family in the March 15 issue of *Kansas Farmer*.

## Bright Future!

**I**S IT TRUE we Americans are getting healthier each generation? The United States Health Information Foundation says a baby born this year can expect to live to be 68. A child born in 1900 could expect to live only 49 years. And as recently as 1936, deaths of mothers during childbirth were almost 6 times as frequent as they are today.

Death rate among pre-school children now is only one per 1,000, whereas 50 years ago it was 20 per 1,000. Rheumatic fever death rate is only 1/10 what it was in 1920. Appendicitis death rate is only 1/10 what it was in 1939. Mass-testing of Americans for tuberculosis has paid off. During 1950, an estimated 14 million persons were X-rayed. That's 3 1/2 million more persons than were X-rayed in 1949. By such testing meth-

ods and improved care, the tuberculosis death rate has been reduced 80 per cent in 40 years.

Most people don't know it but there are 20,000 voluntary agencies in the U. S. which are improving citizen health. These private agencies include the American Heart Association, the American Red Cross, the National Infantile Paralysis Foundation and hundreds of others. Then, too, there are many federal, state and local agencies improving health. These activities mean U. S. is tops in health work.

Results of all this work by voluntary and government health activities are many. Americans are better nourished, better housed, better clothed than any other people on earth! You're healthier than Grandpa, and look what a bright future your children have!



## Eight Farm Families Earn High Awards

By EULA MAE KELLY

**E**IGHT farm families are announced March 1, 1952, as district winners in the Kansas Balanced Farming and Family Living project. The awards program is sponsored co-operatively by the Kansas State Chamber of Commerce and the Kansas State College Extension Service. Recognition is based on outstanding progress in farm and home improvement for the years 1949, 1950 and 1951.

Families are scored on soil erosion and soil-building practices, year-round pasture, right kind of livestock, volume of farm business, well-placed buildings and lots, attractive landscaping, modern farm home, and well-kept farm and home accounts books.

Each family announced won first in home county competition, then excelled among other county entrants in the Extension district. District winners receive bronze plaques from the state chamber. Three state winners will be chosen from the 8 district families and will be announced in June.

### Meet the Winners

District progress awards in the 1951 program were earned by:

Mr. and Mrs. Melvin W. Carman, St. Francis, Cheyenne county.

Mr. and Mrs. John Jansonius, Prairie View, Phillips county.

Mr. and Mrs. Julian Buer, R. 1, Concordia, Cloud county.

Mr. and Mrs. Randal Dikeman, R. 2, Pratt, Pratt county.

Mr. and Mrs. George Birkenbaugh, Cleveland, Kingman county.

Mr. and Mrs. Evan B. Crumbaker, Belvue, Pottawatomie county.

Mr. and Mrs. Norman Alloway, Edna, Labette county.

Haskin Brothers, Olathe, Johnson county.

Beginning at the far northwestern corner of the state, the Melvin Carman family operates 1,225 acres in the

and sorghums; 900 acres in wheat in 1951 yielded 12 bushels per acre.

A registered Hereford herd of 375 is a family pride. An estimated 450 tons of silage are marketed each year thru livestock, which is sold as registered stock.

The Jansoniuses place a high premium on home produced food, crediting the contribution of milk, eggs, meat, garden and poultry at \$2,700. Family skills include welding, mechanical ability, home sewing and carpentry.

Community activities in which this Phillips county family participates are school, church, PMA township board, hospital board, and local chamber of commerce. The home is insulated, electrified and has running water and a septic tank.

### A Determined Young Man

The story of the Julian Buer family, near Concordia, is the story of a determined young World War II veteran who, since 1946, has come a long way in establishing a substantial farm business and a fine modern home. The old rock house has been remodeled, an old horse barn transformed into a grade-A dairy barn, and an excellent start made on a complete soil-conservation program.

Three hundred laying hens have been fitted into the farm enterprises with profit. Sweet clover and alfalfa are used in rotation on this 560-acre farm. Practical soil-conservation measures in evidence include terraces, brome pasture on rough land, and brome waterways.

Twelve dairy cows are considered the major enterprise for this ambitious young couple. Mr. Buer is vice-president of the Cloud County Artificial Breeding Association, and belongs to Dairy Herd Improvement Association. The 2 young daughters have heifer calves to assist them in their future education.

Within the home, every year has brought its measure of improvement. Outside landscaping is well started. Home-raised food is valued at \$500. Color photography and travel are family hobbies.

The Randal E. Dikeman family, of Pratt, concentrates on deferred-feeding of steers and wheat production for major enterprises. Ninety-eight steers were fed out in 1951, and 81,000 pounds of beef marketed. Of the 1,440 acres operated, 1,030 acres are in crops.

A good soil-conservation program is being developed. In 1949, 250 acres were farmed on the contour, in 1950 the number of acres increased to 300, and in 1951 to 320. Mr. Dikeman considers there are 480 acres that still need terrace protection. Seventy acres are in sweet clover, 120 acres in alfalfa, and manure and phosphate are used to build up soil.

The Dikemans and their 18-year-old daughter try to take a 2-week vacation trip each year and enjoy square dancing and movies. Life insurance and government bonds are building for the future.

With 800 acres in wheat, Mr. Dikeman has facilities to store 12,000 bushels of grain and additional storage for 200 tons of hay and a 220-ton capacity silo. The Dikeman home is modern.

### Did Excellent Planning

In Kingman county, it was the George Birkenbaugh family that earned a district progress award. Theirs is a demonstration of excellent planning and family co-operation. Of the 880 acres operated, 620 are in cropland, with wheat and alfalfa occupying the major

(Continued on Page 20)

### New Weed Handbook

Losses from weeds are estimated to exceed combined losses from diseases of livestock, plant diseases, and insect pests of plants and animals. For a new booklet on descriptions of weeds and controls, "Weed Handbook," write to Bulletin Service, Kansas Farmer, Topeka. It's free.

picturesque country near St. Francis. Wheat and sorghums are the stalwarts of their crop program. A registered Holstein herd with 12 cows in milk, 65 deferred-fed steers, and marketing 120 hogs a year swell the farm business.

The Carmans and their 4 children are their own labor force and proudly hire no outside help. One-hundred-twenty acres of wheat yielded 32 bushels to the acre last year. Eight hundred acres of native pasture and 15 acres of Sudan provide grazing for livestock. A definite crop rotation and summer-fallow enrich the farm land.

There has been a steady increase of acres farmed on the contour and protected with terraces—total now being 280 of the 425 acres in cropland. Landscaping is planned around the modern farm home. The Carmans are members of a farm management association.

Mr. and Mrs. Jansonius and their 7 children, now all grown, have earned a good living out of their livestock and grain farm in Phillips county. A big enterprise, the Jansoniuses operate 3,360 acres, 1,760 acres in crops, mainly wheat

### Coming, Next Issue . . .

Latest developments in poultry raising and feeding will come to you in the March 15, 1952, issue of *Kansas Farmer*. The editors have interviewed leading growers and scientists, will have important information for you about equipment, rules of management, housing, broilers, more eggs and more profit, egg hatchability, antibiotics and poultry feeding. You won't want to miss this up-to-the-minute poultry information, or the many other excellent features in the March 15 issue.

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AUTHORIZED DEALER

## We Are Seeing America West and Southwest

By FRANCES R. WILLIAMS

IT WAS many years ago I first heard of Yosemite park with its spectacular falls. In fact, it was in the 4th grade geography class I was introduced to this wonder of the United States. I remember we, in the class, pronounced the word "Yose-mite," and not the conventional, "Yo-sem'-it-ee."

Yosemite park, nearly 1,200 square miles of glacier-sculptured valleys and high mountain peaks of the Sierra Nevada range, compares in size with Rhode Island. The valley, which most tourists see, is only a small part of the park which rates first among California's scenic attractions. Yosemite valley and the Mariposa grove of sequoias were set aside in 1864 to be administered by California, and established as a national park in 1890.

It was not until the 1951 summer trip we had opportunity to see Yosemite. We had heard glowing accounts of the many attractions from 3 little granddaughters, who had camped in the park in mid-June when Yosemite falls are at their best. The 10-year-old had hiked to the falls with her father, the 5-year-old had remembered the little fawns in the park, and she had been intrigued by Indian dances as performed by the old Indian chief in costume, daily feature of the park's program. But 7-year-old Mary had liked the big trees. "Do you know what? Some of those trees were old when Jesus was a little baby."

### See Salt Water Lake

Upon leaving Lassen park in late August, we followed Highway No. 395 from Susanville thru Reno, with a side trip to Virginia City, Nev., then south to Mono lake, a large body of salt water, whose surface was thick with sea-gulls feeding upon a form of marine life that lives in salt water. At Leevining we turned off on the highway leading to the Tioga Pass park entrance.

The highway to the park climbs 14 miles by way of switchbacks, steep grades and sharp curves, thru a rugged, spectacular, mountainous country. Tioga Pass road, as this entrance route is called, is not recommended for a driver with a faint heart. Few people attempt to pull their trailers up over this winding mountain road. Peaks reaching 12,000 and 13,000 feet were on all sides as we wound around upward to the 10,000-foot pass.

We sped along a fine, smooth highway 7 miles to the Tuolumne Meadows camp ground. It was dark by the time we had located a vacant stall and established camp. Tuolumne Meadows, like others in the high Sierras, is a primitive camp ground without electricity. Campers here have gasoline lanterns or depend on flashlights, or the light of campfire. Tioga Pass road and Tuolumne Meadows lodge and camp are open only 3 summer months.

### Hear Indian Stories

The campfire circle was near our stall, and we joined other campers, where a huge campfire dispelled the cold and darkness. Campers dressed in heavy woolen coats and carrying blankets filled the benches and sat on the ground around the fire. The ranger naturalist held attention of his audience as he described the life of the Indians who originally inhabited the area; how they took advantage of the natural conditions to furnish food and shelter. The ranger stated that trout was not known to early Indians, but had been introduced into the streams by the white man.

During the night the temperature dropped to 28 degrees, but we were snug and warm until time to get breakfast. By midmorning we had broken camp and were on our way to a warmer climate. Tuolumne Meadows is a beautiful spot. Herds of deer feed in the mountain meadows; fishermen pit their skill against the wary trout in streams and lakes. The highway skirts the shore of Lake Tenaya's sparkling blue waters, which reflect on its surface the surrounding mountains of white-polished granite. A campground at the west end of the lake was well-filled with tents and trailers.

At Tenaya Lake, our fine highway gave way to the old Tioga Mine road. A 21-mile stretch remains of the first road built in 1882 at a cost of \$62,000, quite a sum in those days, to haul out

the ore of Tioga mine, located near the pass. The old road had not been improved except to blacktop the surface. It served the purpose in 1882, but was a bit rugged for a modern motor car.

Yosemite valley was first discovered by white man in March, 1851. An expedition, led by Major James D. Savage, came upon the valley while searching for a band of Mariposa Indians who had made numerous raids upon white settlements. L. H. Bunnell, one of the party, named the place for the Indians who lived there. In 1868, John Muir, young naturalist, came into the region. His great love of the outdoors had taken him on several walking trips thru Canada and the southeastern states. The Sierras and Yosemite became his favorite haunts. Thru his efforts, national parks were established and forestry laws were passed to preserve the natural beauty spots of the Nation.

The geological history of Yosemite valley is a fascinating story as told by the ranger naturalist. Some 64 million years ago the valley was a broad, flat area thru which a river placidly flowed. Violent folding of the earth's crust pushed upward to form mountains.

### Greatest Show on Earth

Everyone enjoys the thrills of a circus! For suggestions for a children's circus party, with all the excitement of the big top, write to Entertainment Editor, *Kansas Farmer*, Topeka, for a free copy of our leaflet.

These mountains were worn down thru the ages which followed. Again the folding and pushing upward took place to form the present Sierra Nevada range.

Several million years ago the climate changed and 3 different Ice Ages followed. Great rivers of ice were formed which pushed slowly down thru feeder canyons of Little Yosemite and Tenaya to form a great trunk glacier which filled the low valley to a depth of several thousand feet. At one time the ice extended 700 feet above Glacier Point. The tremendous power of this slowly-moving river of ice chewed away valley walls, grinding and polishing sides of the cliffs, changing the narrow V-shape into a wider U-shape valley, which in turn caused streams to drop from sheared-off cliff sides to form the amazing waterfalls for which Yosemite is famous.

Effect of the glacier on canyon walls depended on the nature and hardness of the rock. While some were cut away others, like El Capitan, probably the world's largest single rock mass, were rasped and polished. The debris from the melting glacier left a moraine dam across the narrow outlet of the valley which formed a lake. The lake gradually filled with sand and silt, which reaches a depth of 1,000 feet in some places, and accounts for the level floor of the valley. Trees in the valley are said to be no more than 100 years old, in contrast to Sequoia groves in other sections of the park which are 3,000 years old.

During May and June, water from melting snow fills the streams that drain into the valley. Yosemite creek hurtles itself over the perpendicular

(Continued on Page 19)



"Your head's stopped up? I told you that years ago!"



cliff to form the Upper falls, a drop of 1,430 feet, which together with the Lower falls, a drop of 320 feet (twice the height of Niagara) and the Middle falls make a total drop of 2,500 feet. However, by the end of July, only a mere trickle goes over the falls and in August, Yosemite creek is entirely dry. Only water stains on the face of the cliff mark the location of the renowned Yosemite falls. Other falls are the Ribbon, which plunges 1,600 feet in a deep niche to the left of El Capitan, and Bridal Veil, which drops 620 feet from the rim of the canyon. The latter was beautiful in late August, a filmy, lacey, white spectacle when blown about by the wind, not unlike a bride's veil.

#### Many Modern Campsites

Unlike the primitive camps of the high Sierras, Yosemite valley has 16 different campsites, with modern conveniences and swanky hotels, lodges, cabins and tent houses, cafeterias and restaurants to take care of the 750,000 visitors who come to the park each year.

The valley, 7 miles long and 1 mile wide, is a crowded place. It is open all year and has become a popular winter sports resort with emphasis on skiing provided at Badger Flat. Riding horses and bicycles may be rented; golf courses and swimming pools are provided. The rustic simplicity of most national parks does not include Yosemite valley, which had been commercialized before the park was made a national park. A fine ranger program is a daily feature at the Government Center and Museum and the Evening Campfire is given at Camp No. 14. At Camp Curry, established in 1899 by Mr. and Mrs. David Curry, stage plays, opera, dancing and a variety of entertainment is available. Here each evening, during summer, is staged the famous "Fire Fall." A fire of red fir bark is built on the overhanging rock at Glacier Point, 3,254 feet above the valley floor, and at 9 o'clock, when the signal, "Let the fire fall" is given, the burning embers are pushed off the cliff to fall in a shower of sparks onto the ledge 1,000 feet below.

Next day we stood on Yosemite's traditional eyrie, Glacier Point, and looked down on the valley. We leaned against the iron railing on the ledge to feast our eyes on the matchless, breath-taking panorama of the scene. The green valley and the winding Merced river below, the majestic El Capitan, Half Dome, Cathedral Spires and other rock formations on the canyon's rim; rugged mountain peaks in the distance and to the north the Vernal and Nevada falls, a vast expanse of rock checkered with green forests, all make up a magnificent picture, never to be forgotten.

#### Pass Thru Huge Tunnel

To reach Glacier Point we passed thru Wawona Tunnel. Completed in 1933, at a cost of \$837,000, the tunnel drilled thru solid granite is 4,230 feet long, 28 feet wide and 19 feet high.

Three groves of big trees, sequoias gigantea, are found within the park limits—Mariposa, Merced and Tuolumne. The Mariposa grove is largest and visited by more people. The old giants are of a different species than those of the coastal redwoods in Northern California. More than 200 of the trees in the Mariposa grove are 10 feet and more in diameter. The "Grizzly Giant" is largest specimen in the grove, having a diameter of 27½ feet, a circumference of 96 feet, and a height of 209 feet. The tree is considered the oldest living thing on earth, an estimated 3,800 years. A "one-way" road gives the visitor the opportunity to see many of the living and fallen trees and to drive thru the "Tunnel" tree.

We would like to return to Yosemite, to see the falls at their best, to explore some of the 700 miles of trails thru the picturesque scenery, revisit Mirror Lake, El Capitan and Glacier Point as well as the many features that make up California's great natural wonder, Yosemite National Park.

#### The "Eyes" Have It

Taking good care of your eyes, whether it's indoors or out, pays in the long run. A new USDA bulletin, "Electric Light for the Farmstead," gives hints on planning and providing good light for activities indoors and out. For a free copy, write Farm Service Editor, Kansas Farmer, Topeka.

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## Eight Families Earn Awards

(Continued from Page 17)

acreage. Only 60 acres on this farm still need terrace protection, as an ambitious soil-conservation program has gone steadily forward in last 3 years.

Mr. Birkenbaugh believes in soil building, too, and makes wise use of sweet clover, manure, lime and phosphate. A cow herd of 45 yearling heifers is augmented by a hog program of 88 head. Every sanitary protection is given the Birkenbaugh livestock. The farm windbreak and lawn were planned in 1949, started in 1950, and completed in 1951.

Farm-raised food is credited with contributing \$3 daily to the family grocery bill. Fifty per cent of the machinery repair, and 35 per cent of the family sewing are done by the family.

Eleven-hundred-forty-two dozen eggs were sold last year from a 75-hen laying flock. Wheat yield was 20 bushels per acre on 390 acres. The young Birkenbaugh children can look forward to a college education if they want it.

### A Well-rounded Farm

In Pottawatomie county, the Evan B. Crumbakers, of Belvue, were recognized for a well-rounded farm enterprise and progressive family. They have 110 acres of the 320 they operate in crops, principally in wheat and alfalfa.

One-hundred-eighty acres of native pasture provide grazing for a herd of 45 cows. Dairy cows are tested and calves are vaccinated at calfhood and given good shelter with timber and sheds. Mr. Crumbaker estimated that he marketed 75 tons of hay and 120 tons of silage thru livestock in 1951. A hog program carries 8 sows.

Wheat was a good crop for the Crumbakers last year, yielding 20 bushels per acre. He got 3 tons of alfalfa from the 25 acres he had in alfalfa. Ten acres seeded to sweet clover are the beginning of a soil-building program, along with top-dressing with manure and phosphate fertilizer.

The Crumbaker farm home shows improvement in storage and addition of a bathroom in the last 3 years. Landscaping is well-planned and started. For recreation, the Crumbakers choose radio, magazines, music and social clubs. Mrs. Crumbaker is a home demonstration unit member. The children are a boy, 6, and a girl 2½ years old. Near Edna, live Mr. and Mrs. Nor-

man Alloway, who won first in the Labette county Balanced Farming contest and went on to claim district honors. The Alloways have made remarkable progress since they started farming in 1946.

In the last few years they have modernized their home, rebuilt and built new several farm buildings, constructed several livestock corrals and pasture fences, put a crop and pasture program to work in improving the soil of the 400 acres they operate.

The Alloway livestock program includes 30 head of cattle handled on the deferred plan and 300 head of Western ewes. The number of ewes was doubled in 1951—from 150 to 300.

Commenting on the Alloways, Russell C. Klotz, county agent, says, "They are a fine example of a young, scientific family who have faith in reliable sources of information, and who are making good use of latest research on their farm."

Three small boys and a year-old girl are growing up in a modern farm home. In answering what the educational program for the family would be, the Alloways included 4-H Club work.

### A Large Dairy Project

Haskin Brothers, Glenn and Sam, are joint operators of a large dairy project on 435 acres near Olathe in Johnson county. This is the only partnership among the 1951 district balanced farming winners. The minor enterprise is chickens. In fact, 130 head of dairy cattle and 610 chickens, 410 in a laying flock, are enough to keep both families busy.

Brome plays an important part in the year-round pasture program on the Haskin acres. Ninety-five acres were grazed last year. Thirty acres in clover and 32 acres in native pasture also were used.

Besides dairy cattle, the only other livestock are three 4-H pig projects. An estimate of \$19,000 worth of butterfat was marketed from the Haskin dairy in 1951 and another \$2,300 came from sale of eggs and poultry.

School and church, music training for the children, these are the extra-curricular activities the Haskin families believe in. Other recreation includes hunting, fishing and horseback riding.

## Marketing Viewpoint

By C. P. Wilson, Livestock; Leonard W. Schruben, Feed Grains; Paul L. Kelley, Poultry and Eggs.

*I have some of last year's calves, now weighing about 600 pounds, that will be too fat to put on grass. I would appreciate your opinion on the market for this kind of cattle. I am buying most of the feed.*—R. J.

The fat-cattle market probably will be on the weak side from now until May. A large number of cattle were reported on feed in the Corn Belt and in Colorado and California on January 1. Receipts of fed cattle probably will be large during the next 90 days. No particular weakness in demand is expected but the large supply will be a price-depressing influence. Furthermore, there is a heavy movement of hogs to market and this is expected to continue thru spring months. So, it seems meat will be in abundant supply.

Apparently, there will be strong demand for stocker cattle—the kind that will go on grass—during the next 60 to 90 days. Demand for Bluestem pastures has been unusually strong this year, which indicates considerable confidence in cattle values on the part of cattlemen. On the other hand, feeder cattle—the kind that are too fleshy to go on grass—have been weak in prices. This would be expected in view of high feed prices and prospects for a liberal supply of fat cattle during the months just ahead.

Prices of fed cattle probably will work downward during the next 90 days. Prices of strictly stocker cattle may rise by the beginning of the grazing season but fleshy feeders will do well to hold steady.

The question you will need to answer is whether you can put on gains of sufficient value to justify buying feed at present prices in view of the outlook. If not, the only practical alternative

would appear to be to sell these cattle as feeder cattle this spring.

*What do you think wheat prices will do?*—C. M.

Wheat prices are expected to remain near present levels during the next month. Some price weakness may develop if prospects are good for a large 1952 crop and owners sell to clear bin space for the new crop. There appears to be plenty of wheat to meet U. S. needs at present prices. A supply of wheat as large as we now have usually depresses the market. However, in a period of uncertainty such as the present, a large supply of wheat is considered a basic essential.

*What do you think egg prices will do this spring?*—H. K.

It appears one of the dominant factors in the recent price decline was simply a rapid increase in total quantity of eggs reaching market. This came about largely from the substantial increase in number of hens on farms during 1951. Also, hens in this country are just getting to be more efficient—thus we get more eggs from the same number of hens than we did a few years ago. In a recent survey, BAE pointed out there were 3 per cent more layers on farms in January, 1952, than a year earlier. However, rate of lay per hen increased from 13.5 to 14.0 per cent or highest of record for the month. All of this added up to 6 per cent more eggs to be sold during January than a year ago and helps explain part of the price decline. Consumers, producers, and other interested persons can make some appraisal of prices in the next few months by noting there were 23 per cent more pullets not of laying age on farms February 1 of this year than a year ago. Of course, not all of this number will reach laying flocks.



## SOLVES HELP PROBLEM WITH PIPER PLANE

"With help being so hard to get, it seems like I have to be here, there and everywhere all at the same time," says George Kratzer, Geneseo, Kansas.

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WICHITA, KANSAS

## Are You 65?

**By CHARLES H. LERRIGO, M.D.**

**W**HETHER or not because of insistence of Health Columns like ours, the fact remains old people nowadays are getting more consideration. Even the tax collector is remembering to make allowances greatly to the profit of persons 65 or over.

"Medical and Dental Expenses" is the title that always has headed a paragraph in the circular issued by our Federal Government entitled, "How to Prepare Your U. S. Income Tax Return." In considering such expenses certain deductions have been authorized within specified limits. These deductions may be considered, whether for yourself, your wife or any dependent receiving over half of his support from you.

"You can deduct payments to doctors, dentists, nurses and hospitals provided payments are for prevention, cure, correction, or alleviation of a bodily condition. If you pay someone to perform both nursing and domestic duties, you can deduct only that part of the cost which is for nursing.

"You can deduct the cost of eyeglasses, artificial teeth, crutches, braces, hearing aids, X-rays, ambulance service, medicine and similar items."

However, the law allows you to deduct only those medical and dental expenses which exceed 5 per cent of your adjusted gross income. Such was, and still is, the law so far as persons under 65 are concerned. But wait a minute! The 1951 law has changed this definitely for those who reach their 65th birthday and permits the full amount that such a person is obliged to pay to be considered as a deduction from the amount upon which your tax is to be assessed.

In view of the fact all of us are living to greater ages nowadays, and that more than 12 million of our population at present exceed the age of 65 years, one can see this is really a wonderful provision for old persons who will profit by it. It is reasonable, also, for old age does not recover quickly as youth from illnesses and accidents, nor does the old person have the earning capacity that will enable him to pay the large sums that may pile up.

Supposing, for example, Mr. Sixty-Fiver had a severe fracture last fall. He not only had to pay his doctor's bill, but he may have had to pay for crutches and wheel chair, and go to many extraordinary expenses such as he might have been spared had he been younger and stronger. Whatever the expense, the full amount can be taken into consideration as a deduction in reaching total figure upon which tax is based.

Furthermore, this also is to be considered in such matters as paying health insurance. The Blue Cross, for example, has a large number of elderly people on its books. It will help you somewhat in paying your assessments when you realize the entire amount you pay can be considered as an expense in filing your income tax return.

This message I am giving you here grows out of my keen interest in making things as easy as possible for the older group, possibly aided by the fact I have just spent the morning with the deputy collector. Don't forget the welcome aid of a new set of teeth, which perhaps cost you \$80, or of an invalid chair which may have cost you even more, are among the things to be figured as medical and dental expenses.

## Makes Darning Simpler

For that large hole in your stocking place a piece of net larger than hole over it and baste in place. Then darn as usual, back and forth.—Mrs. F. T.



**"All right, men—abandon ship!"**

When  
what you've  
got  
has got  
to go!

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**Your Santa Fe man knows how to get your freight going. Let him put the vast Santa Fe freight operations to work for you. It's easy—just call the Santa Fe office nearest you!**

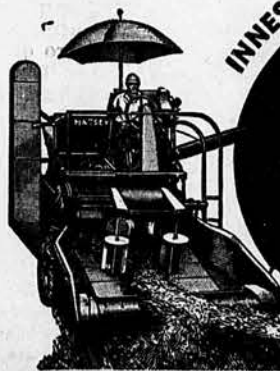
*W. H. Turner, Freight Traffic Manager  
Santa Fe Lines, Topeka, Kansas*

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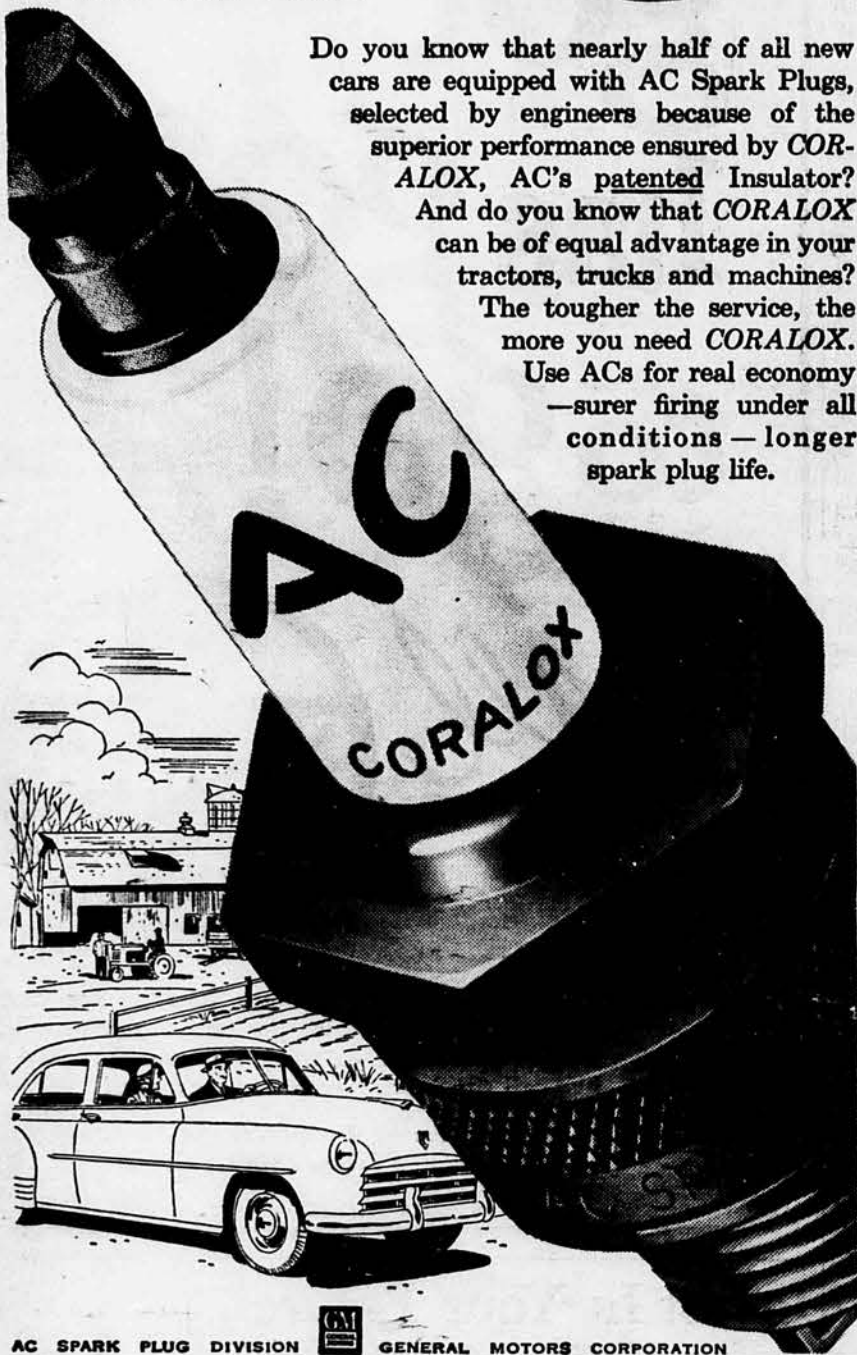
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Do you know that nearly half of all new cars are equipped with AC Spark Plugs, selected by engineers because of the superior performance ensured by **CORALOX**, AC's patented Insulator? And do you know that **CORALOX** can be of equal advantage in your tractors, trucks and machines? The tougher the service, the more you need **CORALOX**. Use ACs for real economy — surer firing under all conditions — longer spark plug life.



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**Western Land Roller Co.**

## BEST VEGETABLES TO PLANT

By **WILLIAM G. AMSTEIN**  
Kansas State College



"A person has to keep herself up,  
even us beans!"

**C**HOOSING best-adapted vegetable varieties for a Kansas garden deserves more attention than some of us give it. Performance of some varieties will vary a good bit, even in different sections of Kansas.

It is time to pick our 1952 vegetable seed, kinds and varieties we intend to grow. A little extra time spent in this job can pay rather large dividends. Visiting with gardeners over the state, I receive a wide range of answers when the question of varieties is asked. Some people keep track of their entire list, even to the point of knowing the firm that supplied the seed, as well as the variety name and germination. Other folks remember rather vaguely they planted beans, corn or tomatoes, but little about performance of these crops, and less as to variety identity.

Since a good garden can be grown on most farms, a well-planned planting program deserves to be followed. Time spent in planning it should make time used in planting and tending pay better returns.

Few gardens contain as wide range of adapted crops as might be included. However, a few main items do meet

**Beans:** Snap—Topcrop, Wade, Stringless Green Pod, Bountiful Wax—Golden Wax, Pencil Pod Wax.

**Beets:** Early Wonder, Crosby's Egyptian, Detroit Dark Red.

**Cabbage:** Yellows Resistant Golden Acre, Marion Market.

**Carrots:** Red Cored Chantenay, Danvers Half Long.

**Corn:** Golden Cross Bantam, Ioana, Marcross.

**Cucumbers:** Burpee Hybrid, Marketer, Straight 8.

**Lettuce, Leaf:** Black Seeded Simpson, Grand Rapids, Slobolt.

**Onions:** Sweet Spanish, Bermuda (plants or sets and seed).

**Peas:** Little Marvel, Alaska, Wando, Burpeeana.

**Irish Potatoes:** Irish Cobbler, Red Warba (use certified seed).

**Spinach:** Bloomsdale Long Standing, Savoy.

**Squash, Summer:** Straightneck, Table Queen; **Winter:** Delicious, Ucorn, Butternut, Buttercup.

**Swiss Chard:** Lucullus.

**Tomatoes:** Eastern Kansas (wilt resistant), Rutgers Marglobe (nonwilt resistant), Valiant or Stokesdale (Central and Western Kansas), Sioux Fire-steel, Porter.

**Turnips:** Purple Top Globe.

**Watermelons:** Kansas, Blacklee.

Other crops or varieties that deserve planting include:

**Broccoli:** De Cicco, Italian, Green Sprouting.

**Cauliflower:** Early Snowball.

**Chinese Cabbage:** Michihili, Chihli.

**Kohlrabi:** Early White Vienna.

**Tomatoes:** Hybrids (select them for season of maturity, available from many sources).

**Hybrid Sweet Corn:** Hoosier Gold, Seneca Dawn, Gold Rush, Golden Security.

## Aerial Spraying Law in Force Now

New aerial spraying law enacted by the 1951 State Legislature will aid many Kansans. Vernon Woestemeyer, state weed supervisor, states the law became effective January 1, and was designed to protect farmers and aerial spraying operators.

Law covers application of certain agricultural chemicals when they are applied by aircraft as dusts, fogs or aerosols, as well as sprays. Registration must be made with the secretary of Kansas State Board of Agriculture before any owner or operator can use or apply any chemical on agricultural land. A record must be kept of each treatment made. A fee of \$10 for each aircraft registered is charged, and a bond must be furnished for \$2,000 for first aircraft and \$1,000 for each additional plane.

## U. S. Wheat Growers Association Meets

At a 3-day convention of National Association of Wheat Growers at Denver in mid-February, a report of the year's activities was given by President Herb W. Clutter, Holcomb. Representatives of 24 states attended the event.

most of our needs. Many gardeners would find it worthwhile to include at least one new vegetable each year. Examples of some of these items would be crops such as head lettuce, broccoli, cauliflower, kohlrabi, eggplant and okra.

Two perennial vegetables not included too commonly are asparagus and rhubarb. Asparagus is an especially useful crop because of its common adaptation and ability to produce for many years once it is established. In most areas it is one of the earliest crops harvested and can be enjoyed as long as the family seems to use it. Mary Washington is a standard variety. Another newer one is "500."

Rhubarb is of real value, but some folks have difficulty keeping a stand. Likewise, its habit of seed stalk growth is a problem to many gardeners. About the only answer on this is early pulling of seed stalks as they first develop. McDonald and Ruby are 2 very useful varieties.

While many gardeners carry over a list of crops and varieties, most gardeners do not. We need to emphasize use of disease-resistant varieties or strains of vegetables where they are adapted and available.

Suggested vegetable crops and varieties for Kansas include the following:

## Sea Shells Made Chalk Beds

The Logan county chalk cliffs were made by the accumulation of shells of microscopic animals that lived in the sea that once covered Western Kansas. Pure beds of chalk resulted. In most places, however, shells intermingled with clay and a light-colored, chalky shale was the result. In all, 800 feet of chalk and chalky shale were deposited in Western Kansas.



# You can't see the difference but it's there!

All feeds when ground up look pretty much alike. But most farmers know that from the use of *balanced* feeds they get more practical benefits—bigger, healthier cattle, improved milk production. More and more farmers are learning there's a difference in results in the use of *balanced* fuels, too. Below, Standard Oil Agent, Vic Charley, demonstrates to Anton Welzen, Mundelein, Illinois, how balanced gasoline gives best results. "You can't see the difference between ordinary gas and balanced **STANDARD RED CROWN** but it shows up in more powerful, more economical performance of your tractor," says Agent Charley. "Now you're talking my language," says Farmer Welzen. "Let me tell you why I like to do business with Standard . . ."

(CONTINUED ON NEXT PAGE)







***"I get quality products,  
dependable delivery, friendly  
service...all from one man..."***

"The real reason I have been doing business with Standard for 10 years, aside from friendly service, is the uniform quality of the products," says Farmer Welzen. "I know that whatever I order, it's always the same grade and it's always good." To take advantage of fast-changing Spring weather, Tony Welzen already has his first fill of 650 gallons—assuring him 30 to 45 days of advance fuel supply for his three tractors and utility Jeep. Once the first fill is in, Agent Vic Charley keeps the Welzen storage tanks filled. Dependable delivery like this eliminates any chance of running short of supplies in the busy season. Farmer Welzen works 140 acres near Mundelein, Illinois. His father was a Standard Oil customer before him.

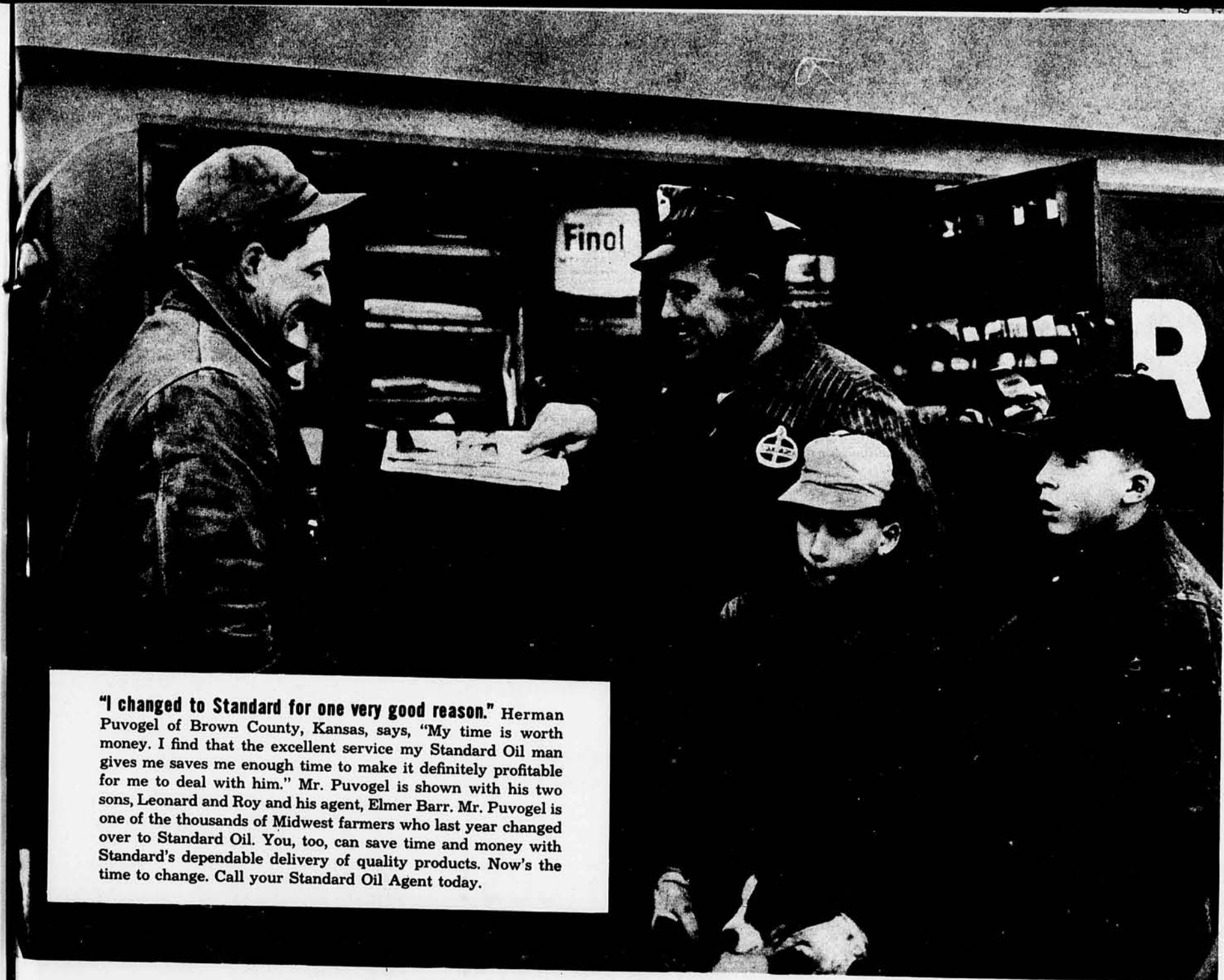


"We proved to ourselves, that we save money in the long run through the use of Standard Oil products." M. A. Wallace and his wife, Juanita, who farm 440 acres near Chilhowee, Missouri, check their records to prove how the use of Standard Oil motor oils save them money. "I do custom threshing for this community. I can't afford any breakdowns in equipment. I use Standard motor oils in my thresher and in my tractor because I can depend on these oils to keep my engines running clean and trouble-free." Mr. Wallace's experience with Standard Oil dependability goes back 21 years. He started buying from us in 1930.

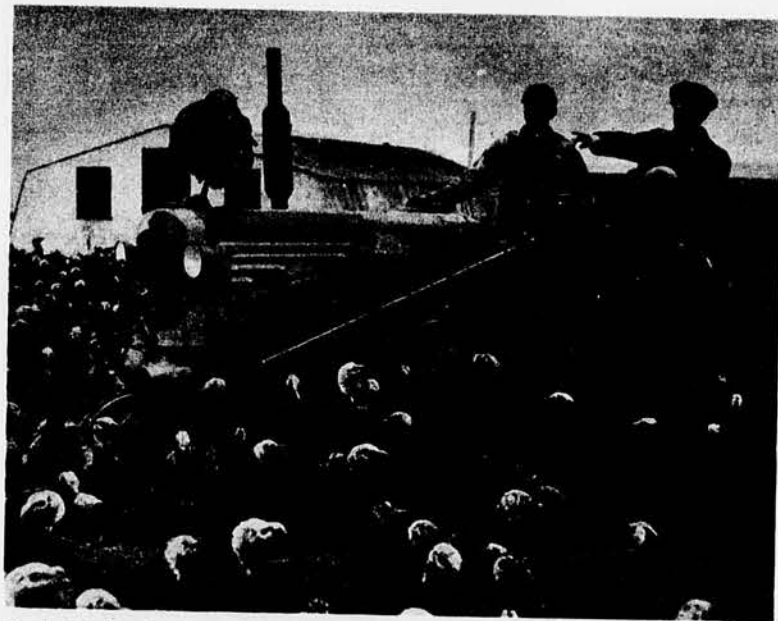


Quality controlled from test tube to tractor. This is a corner of the automotive laboratory, part of Standard's great research facilities at Whiting, Indiana. Paul Rathbun, who farms 220 acres near Leesburg, Indiana, watches the lab's diesel engine during tests on motor oils. With him is his Standard Oil Agent, Marion Goshorn. Farmer Rathbun said: "I was amazed to learn how Standard is working to improve the products we use on the farm."





**"I changed to Standard for one very good reason."** Herman Puvogel of Brown County, Kansas, says, "My time is worth money. I find that the excellent service my Standard Oil man gives me saves me enough time to make it definitely profitable for me to deal with him." Mr. Puvogel is shown with his two sons, Leonard and Roy and his agent, Elmer Barr. Mr. Puvogel is one of the thousands of Midwest farmers who last year changed over to Standard Oil. You, too, can save time and money with Standard's dependable delivery of quality products. Now's the time to change. Call your Standard Oil Agent today.



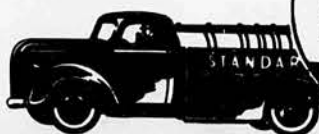
**Bucket brigade saves birds.** Ray Meyer, manager of E. P. Peterson's turkey farm near Hampton, Minnesota, and Lynn Cain, Standard Oil Agent, saved 13,000 turkeys from death by freezing. Manager Meyer says, "Just a year ago we were hit by fierce blizzards, climaxing 100 inches of snow for the winter. Twice we drove the tank wagon out through the fields and Cain and I carried the fuel by bucket a block's distance. Thanks to his help our flock was saved." There's a Standard Oil Agent near you ready to give you all-year, all-weather service. Why not call him now to head off emergencies?



**Customers for three generations.** For 50 years, the Ruehs family, Caledonia, Michigan, has been purchasing Standard Oil products. Why? For the same reasons that appeal to thousands of other Midwest farmers: *quality products, dependable delivery, friendly service.* Pictured are Fred W. Ruehs, age 97; his son, Ernest W., age 61; granddaughter, Mrs. Philip Datema with her infant son, Richard; and grandson, Nelson F., present operator of Ruehs Dairy Farm. George Statsick, Standard Oil Agent, has served this family for more than 30 years. Isn't that a friendly way to do business? Your Standard Oil man can help you. Call him today.

It's time to get your storage tank filled—call your Standard Oil Man today

**RED CROWN—King-Size Gas Buy!**







IN A DEMONSTRATION held on October 18, 1951, during Oil Progress Week, old-time and modern cars were used to show the results of scientific tests proving that two gallons of today's gasoline can do the work that took three gallons in 1925.

# SPECIAL VALUE

## Today's high quality gasoline ...at 1925 prices!

**Y**ES—IT'S TRUE you get today's gasoline at about 1925 prices. Only the tax is higher.

But its surprisingly low price is only *part* of the value you receive from today's gasoline. The improvement in gasoline performance has been remarkable.

Taking into consideration the increased weight, size, speed and power of modern cars . . . two gallons of today's gasoline can do the work of three in 1925. Today's car or pick-up, with its modern engine made possible by improved fuels and lubricants, can do 50% more work, and your modern tractor is 50% more efficient, and can now pull 3 plows for every 2 pulled by the 1925 tractor.

Today's gasoline is a big value chiefly because thousands of petroleum companies, large and small, are competing for business.

Since the end of World War II, members of the petroleum industry have spent 12 billion dollars on new facilities such as oil wells, pipelines, refineries, service stations and research laboratories. Only in this way, have they been able to add the capacity and make the quality needed to meet your needs and national defense requirements.

During the same period Standard Oil and its subsidiary companies have spent over one billion dollars in this way. An important part of this money has come from re-investment of two-thirds of its profits for new tools and equipment in a vast expansion program.

We're not only in a race to *meet* ever-growing demand with bigger volume . . . we're also in a race to *build* demand with higher quality products.

All of which means that, as far as Standard Oil is concerned, you can look forward to an even better value in gasoline tomorrow.

### Standard Oil Company



**GASOLINE'S A BARGAIN** because workers like P. P. Scott, research engineer, of Tulsa, Oklahoma, are at work on new methods of producing crude oil to offset rising production costs, and to locate new sources, so that we can have enough oil to meet the ever-increasing demand. Plowing back two-thirds of our profits in facilities for finding, refining, and distributing petroleum products has helped Standard Oil hold down prices of finished products, while continually raising quality.



**GASOLINE'S A BARGAIN** because workers like Ed. E. Herndon, stillman at our Neodesha, Kansas, refinery, have the latest and best tools to work with, so that more products and better products can be processed to meet rising demand. The investment of our 116,000 owners has made possible the costly equipment which modern refineries require. The modern tools and equipment with which our employees work help them to produce more, earn more, and to enjoy steadier employment.



**GASOLINE'S A BARGAIN** because Standard Oil agents like P. A. (Phil) Haney of Colby, Kansas, offer it to you when and where you need it, at surprisingly low prices. Lloyd White, one of Phil's regular customers, knows he can depend on good value in the Standard Oil products and services he uses. They help him run a profitable farm, operating his tractor, his pick-up, and other farm machinery with high efficiency.



**No. 5** in flower series written by a man  
who grows them by the acre

## Tuberous Begonias

By FRANK PAYNE

**I**F YOU like flowers that are something different, out of the ordinary, order some tubers of Tuberous Begonias right away. It is now time to start these growing in the house. They are the most showy of all flowers and are often called "Peacock of the Flowers." I will agree with that name because they certainly are a riot of bright colors, sure to please everyone who loves flowers.

Several years ago about this time I told my wife I was going to the seed store in the city to get some garden seed. I asked whether there was anything special she wanted me to buy other than seeds for our vegetable garden. "Yes, Frank," she said, "I wish you would get some Tuberous Begonias." I brought home the Tuberous Begonias, about a dozen nice tubers, and began to seek information everywhere about how to plant and grow them. I must have found the right information because they did nicely for us that year. Since that time I have grown many thousands, and have a special built cloth house 16 by 20 feet just to grow them in pots for our local retail trade.

### Best to Buy Tubers

Tuberous Begonia tubers are all commercially started from seeds sown in greenhouses, either in California or Belgium. Unless you have a greenhouse it's best to buy the tubers at your seed store and save a lot of time and trouble. I have grown them from tubers bought in California, also imported from Belgium, and while I would personally use United States products always, I must honestly tell you I grow much better blooms from those coming from Belgium. I checked with other large growers and they tell me they always buy the Belgium-grown. I like the large-size tubers, 1½ to 2 inches in diameter, for the best and largest blooms. Now I will tell you how I started them in my home and grew Tuberous Begonias last year. It was the morning of March 10, I started to plant a shipment of 1,000 tubers that had arrived the day before from Belgium. I took flat boxes, 3 inches deep, made of wood. They were 15 by 20 inches in size. A layer of gravel ¼-inch deep was placed in the bottom of the box for drainage. Then an inch of rich, fine soil partly mixed with sand was placed on the gravel. On top of this was an inch of fine, ground-up peat moss. This moss looks like brown smoking tobacco. You can buy it in small packages at your seed store. The tubers were then placed upon this dampened peat moss about 3 inches apart each way and pressed into the moss. Then peat was poured all around the sides of the tubers, too.

### Not Upside Down

Just a word about which side to place down or you may plant them upside down. It is important you do not make such a mistake. Be sure to put the concave or hollow side UP. The convex or round side goes DOWN.

Next important point, and I do mean IMPORTANT, is about watering. First, dampen the peat moss real well when you press the tuber into the moss so

only a little of the tuber remains showing. Never pour water on top of the tuber. It will decay quickly if water is allowed to remain in the depression. When watering, it must be poured on the peat only, around the sides of the tuber.

The tray should be placed in a warm room where it is kept from 60 to 80 degrees. Light is not necessary until the tiny pink sprouts begin to show. Then plants need a sunny window with a uniform temperature of 50 to 65 degrees. Leave in this peat tray until 4 inches of top growth is made, then transplant into 6-inch pots.

### Must Avoid Frost

This transplanting to the outdoors must not be until the middle of May or later so all danger of frost is past. Make a mixture of ½ rich fine soil, ½ sand and ½ fine peat moss as they love an acid soil and the peat takes care of that. Dig up the plant carefully from the tray with a garden trowel or table-spoon so roots will not be disturbed, and plant into the pot. Place pots in a shady spot where there is protection from wind and the noonday sun. Do not let plants dry out at any time.

A small bamboo or round stake should be placed in the pot as they grow taller, tying the plant with a FLAT string. They are quite tender and a round string would easily cut the plant where tied. Give them generous applications of liquid cow manure at frequent intervals. It will greatly aid in making exceptionally large plants and flowers. Set the pots halfway into the ground for a home garden rather than out in the open ground. Be sure no other plant roots can rob the begonias of their plant food.

### Resemble Other Flowers

There are many types of Tuberous Begonias and most of them resemble other flowers. The 2 classes are single and double. The forms of the flowers resemble roses, water lilies, carnations, gardenias and many other types. There are upright-growing kinds, also another that is of a trailing nature which is grown in porch boxes or hanging baskets. By the way, if you have an east or north front porch, Tuberous Begonias make ideal plants for porch boxes if you want a change in your front porch decorations. But remember they still must have protection from strong winds, so be sure to mix other plants in the porch boxes to protect them.

The tubers can be dried off and kept for another year, but unless kept under ideal storage conditions I think it is better to buy new tubers each year because they are not too expensive.

Here is a little tip that may prove helpful. If you should happen to be stepping out and want to wear a corsage that is real spiffy, just cut off a bloom of Tuberous Begonia, tie a little bow of contrasting color baby ribbon on the stem and pin it on that new dress of yours. You will get a real lift by wearing such a beautiful corsage, and one that you grew all by yourself, too!

(My next article will be about Pan-sies.)

## Is It True?

**I**S IT true all hard winter wheat is "hard red" wheat? Is there a difference in price of hard and soft wheat? Is all spring wheat "soft"?

Not all hard winter wheat is "hard red," says L. E. Willoughby, Kansas State College Extension Specialist in crops and soils. "Hard red winter wheat" is a class of wheat. This class is broken down into subclass A—dark hard winter; subclass B—hard winter; subclass C—yellow hard winter.

When it comes to prices paid for hard and soft wheat, there's a difference in wheat, too. The bread miller pays for good bread-making wheat. The soft wheat miller pays more for soft wheat to make biscuit and cake flours than he will for hard wheat.

Most northern spring wheats are hard, and are a strong competitor of

dark hard red winter wheat. However, there are a few soft spring wheat varieties, such as "Henry" as grown in Wisconsin, "Supreme" as grown in Texas, and some of the club or white wheats of the northwest.

The United States has several "wheat quality" laboratories where quality of wheats for various purposes are studied. There are 4 of these laboratories, the one at Kansas State College, Manhattan, studying hard winter wheat. The laboratory at Wooster, O., investigates the quality of soft wheats. At Pullman, Wash., Pacific coast and northwestern wheat is studied, and at Washington, D. C., the quality of spring wheats. All these laboratories work with the utilization of wheats and their quality for various kinds of flour.

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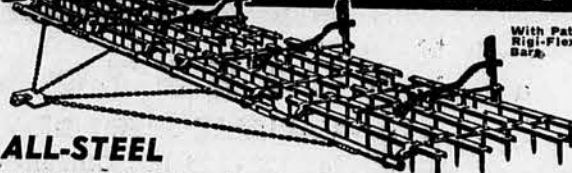
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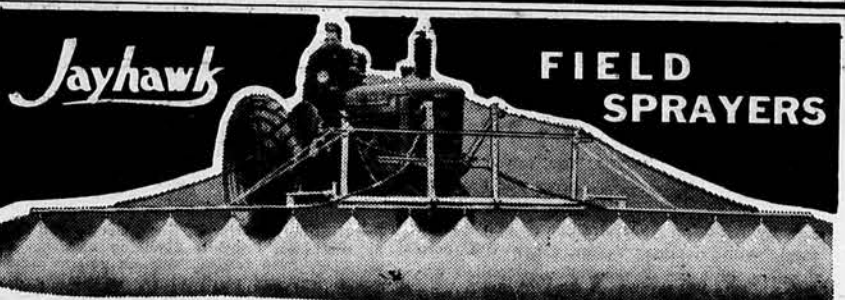
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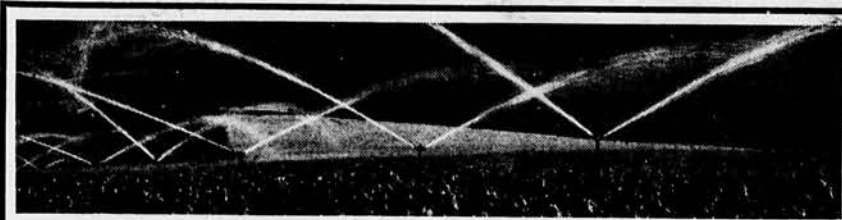
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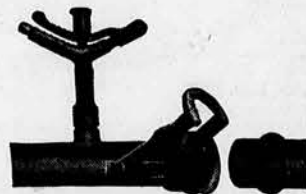
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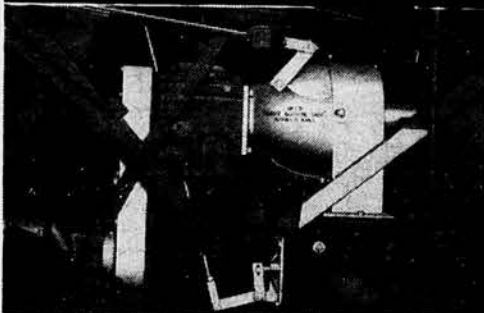
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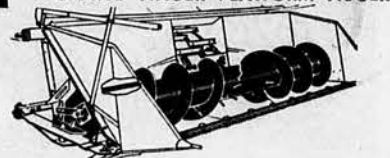
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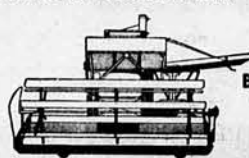
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## Just "Bad Judgment" Brannan Says

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

### SECRETARY OF AGRICULTURE

Charles Brannan enters a novel plea against charges by Comptroller General Lindsay Warren and others, that PMA's handling of CCC storage grain has resulted in losses between 5 and 8 million dollars.

It was certain individuals in the grain trade who pulled the deals; the part PMA-CCC officials and employees had in the deals was just "bad judgment."

Analogous would be the plea of a sentry:

"It was the enemy who killed my comrades. All I did was go to sleep on post, and the dirty beggars got thru the line unnoticed."

During the Civil War, President Lincoln did pardon one boy who slept on sentry duty. President Truman may have taken that as a precedent for presidential leniency toward members of his administration who sleep a few winks—and wives get minks, perhaps—while friends are looting the Federal Treasury.

### Higher Taxes Hit You!

Huge Federal spendings are coming home to roost in the shape of higher and higher federal, state and local taxes. High taxes may prove more potent and carry more portent with the taxpaying public than huge government spending. For example, in Topeka, Kan., huge government spending means Winter General Hospital, Forbes Air Base, Air Force Supply Depot, Federal funds for all sorts of spending money that goes into the merchants' tills. So big government spending has an appeal that is not at all subtle.

And at the same time, thanks to the withholding tax initiated in the Carlson-Ruml bill, the great mass of wage earners don't feel they are paying income taxes—"the Boss pays." And the wage earners are correct, where the "take-home" pay check has been increased to cover the withholding deductions.

But state and local taxes are not on a withholding basis. These have to be paid out of pocket—out of savings in many, and an increasing number of cases.

So, when the Topeka property tax rate jumped 30 per cent last fall, there were howls of indignation. State and local taxes, over the country generally, must go up still more, to keep up with (1) deflation of the dollar caused by heavy Federal spending; (2) resultant increase in state and local government payrolls.

The relationship between the pleasant dropping of dollars from the Federal Treasury thru the big spending programs, and picking pockets by tax gatherers is on the way toward understanding by the public. Until that understanding is more complete, the revolt against big government spending is not likely to be very effective.

### Tax Receipts Have Jumped

Sen. Harry F. Byrd (Dem., Va.) points out again how Federal tax receipts have jumped since the end of World War II.

In fiscal year ending June 30, 1947—first full fiscal year after V-J Day—actual federal tax receipts were 40 billion dollars. Next year, 42.2 billion; fiscal 1949, when the tax program of the 80th Congress went into full effect, 38.2 billion; then in fiscal 1950, ending June 30 of that year, 37.1 billion. For succeeding fiscal years receipts jumped to 48.1 billion, then to (estimated) 62.7 billion; estimate for the next fiscal year, starting July 1, is 71 billion dollars.

In 1947, individual income and estate taxes paid amounted to 20.4 billion dollars; sales tax (corporation plus excises) receipts totaled 17 billion.

For next fiscal year, official estimate is—individual income and estate taxes, 33 billion; sales (corporation and excises) tax receipts, 37.6 billion dollars.

But that is only part of the budget story. The estimated deficit (difference between expenditures and receipts) for the current fiscal year is 8.2 billion dollars; for next fiscal year, 14.4 billion. The President's figures to Congress show expenditures this year estimated at 70.9 billion; receipts, 62.7 billion;

next fiscal year, receipts 71 billion, expenditures, 85.4 billion.

"A generation has come of age," Senator Byrd comments, "under a deficit-financed government. In 21 years we have 3 surpluses, and they were more by accident than design. Four were war years; 4 were depression years."

"But war, or depression, or just ordinary peacetime, public deficits create debt which must be paid if we are to avoid ultimate chaos..."

"In current circumstances, federal debt is the greatest single inflationary factor, and it will become increasingly so. As inflation continues expenditures of the Federal Government, which is the world's biggest customer, will increase, and federal costs increase more rapidly than federal receipts as a result of inflation."

Senator Byrd, who is chairman of the Congressional Joint Committee on Federal Expenditures in the Executive Departments, recommends a budget calling for expenditures of 76.8 billions for next fiscal year, instead of the 85.5 billions asked by President Truman—so far. Byrd would lop 100 million from the Truman recommendation of 8 billion dollars for foreign military aid; eliminate entirely the 2.5 billion foreign economic aid; reduce the amount for the Military Establishment from 49.6 billion to 47 billion; and domestic civilian expenditures from 10.4 billion to 8 billion. He would cut social welfare, health and security expenditures from 2.7 proposed by President to 2.3 billion; housing and community facilities (including mortgage purposes) from 700 million to 400 million; agriculture and agricultural resources (including CCC) from 1.5 billion to 1.2 billion; natural resources from 1.4 billion to 700 million; general government, from 1.5 billion to 1.3 billion, same as current and last fiscal years.

### Would Cut Agriculture

Concerning his proposed agriculture cut, totaling 300 million dollars under Truman's recommended 1.5 billion, Byrd says:

"(These) include reduction in payments to territories, payments under the sugar act, payments and loans under the Farmers Home Administration, and payments under the conservation program to the level recommended by the American Farm Bureau. Reductions in permanent employment represent only about 10 per cent, but more efficient use of temporary and seasonal employees is recommended as well."

### Less for Foreign Aid

Concerning Byrd's proposed reductions under Truman recommendations for foreign aid:

"Recommendation for reductions in foreign aid eliminate expenditures for economic aid abroad, and reduce overhead in military program by 100 million dollars thru increased efficiency."

### May Lose Control

United States News and World Report recently noted that United States influence in the United Nations has dropped to a "new low." "U. S. appears in danger of losing control of the world organization that Americans did most to establish and have since done most to finance."

U. S. News does not mean the United States has suffered many actual defeats in United Nations, but its victories over the Russian bloc in UN are becoming increasingly hard to get, and by narrowing margins. When Korean war came up (police action to Mr. Truman) U. S. won a 52 to 2 vote in favor of UN intervention. But now any strong stand against aggression, if seemingly pointed in the direction of Russia, frightens away 16 to as many as 24 member nations—that many have abstained from voting on proposals. And it took 19 ballots before the U. S. won election of Greece instead of White Russia to the Security Council, and by a narrow margin at that.

That 40 billion dollars scattered abroad to gain "friendly allies" is not returning very heavy profits on the investment.



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## Coming Events

- March 1—Geary county flood control or watershed meeting, Junction City Municipal bldg., 8:30 p. m. Elmer T. Peterson, editor Daily Oklahoman, speaker. Will show picture, "Where Floods Begin."
- March 1—Johnson county 4-H festival, promotional talks, demonstrations and model meetings, Olathe.
- March 1—Grant county, Cimarron 4-H Club, radio station KSCB, Liberal.
- March 1—Shawnee county 4-H day, Seaman high school, Topeka.
- March 1-9—National 4-H Club week.
- March 3—Norton-Decatur artificial breeding association annual meeting, Norcatur.
- March 3—Labette county DHIA annual meeting with Ralph Bonewitz, Altamont.
- March 3—Washington county waterway-shaping demonstration with KSC specialists.
- March 3—Kiowa county monthly 4-H council meeting, Greensburg community building, 7 p. m.
- March 3—Kansas Poultry Industry Council, Manhattan.
- March 3—Chase county landscape school and drawing with Charles Parks, KSC specialist, Cottonwood Falls, Municipal building.
- March 4—Elk county annual meeting artificial breeding association with Ralph Bonewitz, KSC specialist, Howard.
- March 4—Lincoln county livestock school, Lincoln.
- March 4—Grant county meeting, with Frank Bieberry and Lot Taylor, KSC specialists, Ulysses.
- March 5—Mitchell county waterway and seeding demonstration.
- March 5—Cherokee county dairy tour and farm visits with Ralph Bonewitz, KSC dairy specialist.
- March 6—Shawnee county, junior leaders meeting.
- March 6—Leavenworth county, winter meeting on crops, beef cattle, plant pathology.
- March 6—Lincoln county soil conservation field trip.
- March 6—Washington county, artificial dairy breeding meeting.
- March 6-8—Kansas Rural Life conference, Manhattan.
- March 7—Seward county, crops and livestock utilization meeting, with Frank Bieberry and Lot Taylor, Liberal.
- March 7—Norton county, laborsaving equipment and devices, Norton, Legion hall.
- March 7—Sedgewick county meeting on fruits, with W. G. Amstein, KSC specialist, Wichita.
- March 8—Seward county 4-H Day, Liberal.
- March 8—Johnson county 4-H festival, plays, music and musical games, Olathe.
- March 11—Doniphan county, farm management summary meeting, Troy.
- March 11—Washington county, 4-H leaders school, Washington.
- March 11-12—Norton county, district irrigation school, Norton, Legion hall.
- March 11-13—Kansas Livestock Association meeting, Wichita.
- March 11-12—National Farm Chemurgic Council, St. Louis.
- March 12—Washington county, bindweed meeting, Washington.
- March 12-15—Shawnee county basketball tournament.
- March 12—Grant and Stanton counties, joint meeting, leader training, with Mary Elsie Border and John B. Hanna, Ulysses, 4-H building.
- March 12—Pottawatomie county, farm management meeting, Westmoreland.
- March 13—Grant county, leader training with Gladys Meyers, KSC Home Management specialist, Ulysses, 4-H building.
- March 13—Doniphan county, quality egg market school, Troy.
- March 13—Cimarron Valley Hereford 4-H show and sale, Hugoton.
- March 13-14—Cheyenne county, district irrigation school, St. Francis.
- March 13-15—Kansas Livestock Association 39th annual convention, Wichita.
- March 14—Mitchell county, bindweed meeting.
- March 15—Grant county 4-H festival, Ulysses, high school auditorium, 10 a. m.
- March 15—Jefferson county 4-H spring festival.
- March 15—Johnson county, district No. 11 4-H festival, Ottawa.
- March 17—Jefferson county tractor maintenance school, Valley Falls.
- March 17—Johnson county, soil conservation meeting, with R. C. Lind, KSC specialist, Olathe.
- March 17-19—American Dairy Association annual meeting, Chicago.

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  - Custom Farming
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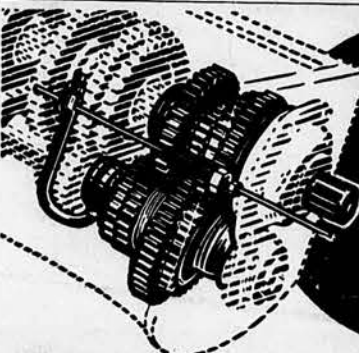
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Nitrogen protects against poor growth. Yellowish green leaves and stunted plants are signs of nitrogen deficiency.

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## Trailer Unloads Itself

Handles Chopped Hay, Silage or Ear Corn



FRANK KNAPP hooks up his self-unloading trailer to the power take-off of his tractor, while his son, Theodore, looks on. Mr. Knapp invented this trailer, which has several advantages.

A SELF-UNLOADING trailer, that has proved fool-proof after years of operation, has been invented by Frank Knapp, a Coffey county farmer. The trailer will work equally well for unloading chopped hay, silage or ear corn, Mr. Knapp says.

Here is how Mr. Knapp made the trailer. He took a regular flat-bottom trailer that will hold up to 7 tons. Along the sides of the floor he installed sloping floors, attached by leg screws. Down the center of the bed, lengthwise of the truck, he installed an endless-chain conveyor with a double-chain drive. It is geared to the rear axle of an old car and the axle, in turn, is connected to the power take-off on the tractor by a drive shaft.

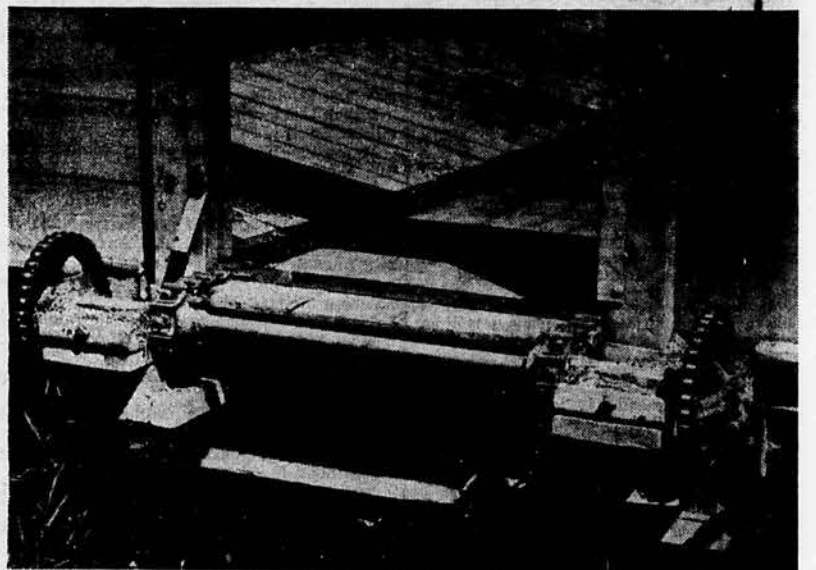
An opening 2½ feet by 2½ feet in

the endgate allows the contents of the trailer to be unloaded at an even rate. Advantages of this trailer over the false endgate unloading type, says Mr. Knapp, is that the trailer can be overloaded, yet the speed and rate of unloading is not affected.

Another good feature of the trailer is that the conveyor and the sloping sides are easily removed in a short time, to make the box of conventional type again.

### Removes Rust Quickly

To clean shovels and spades of rust and dirt I use a wire brush mounted on an electric motor. You've no idea how quickly and easily this cleans until you have tried it.—Mrs. L. W. T.



FEED, chopped alfalfa or ear corn can be unloaded thru this opening in the endgate of the Knapp trailer by means of an endless conveyor geared to a car rear axle, not visible in this picture.



THE SLOPED FLOORS and conveyor, shown here in an inside view, are quickly removable to make the trailer flat-bottomed again.



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## Happy Is The Day When Backache Goes Away . . . .

Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages.

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## Little Damage

(Continued from Page 8)

began to die—flooded out just as surely as was the alfalfa in the river bottom lands.

One advantage, so far as row crops were concerned, was pointed out by farmers interviewed. Water drained off the terraced and contour-farmed land in good condition and the outlook now is for a fairly good corn crop.

These farmers had developed complete conservation plans with the aid of the Soil Conservation Service. Their land is used within its capabilities as shown by the SCS soil conservation survey. The right combination of conservation practices is used according to needs of the land. Not only were these conservation plans fully applied, but they were properly maintained.

The examples cited here do not imply there was not extensive damage to upland farms where some conservation practices had been established. There are many hundreds of miles of terraces where breaks must be repaired and terrace channels cleared out. Some terraces were not backed up by a complete conservation plan; others could have held but the conservation plans of which they were part had not been maintained properly. Of course, erosion damage to unprotected land was even more severe.

The lesson to be gained here is that land damage on the upland farms would have been reduced to insignificance if complete conservation had been applied to all upland. So would damage on bottom lands have been reduced. Instead of rushing downhill with its loads of silt from the upland farms, the excess water would have had to move more slowly and almost empty-handed. The upland would have retained the soil that is its greatest resource—the topsoil.

### Set Date for "Little Royal"

Date for 1952 Little American Royal livestock show at Kansas State College has been set for April 5, in the Field House. Rather than placing animals, the all-student show, patterned after the American Royal Livestock Show at Kansas City, judges showmanship of students and improvement made in animals shown.

About 5,000 persons are expected to attend this year's show, which is scheduled to last 2 hours. Working thru committees, students manage every phase of the show.

### Minerals for Cattle

In feeding minerals to cattle, careful judgment should be used, especially in areas where mineral deficiency of soil exists and during early succulent pasture conditions.

E. E. Leasure, Kansas State College veterinarian, says calcium phosphorus intake in animals' rations would be on the order of 2 parts to 1 part. Often on succulent pasture this ratio is upset, phosphorus being much more prevalent than calcium; to maintain mineral balance, a ration or supplement of calcium should be added. Needless to say, common salt should be before cattle at all times.

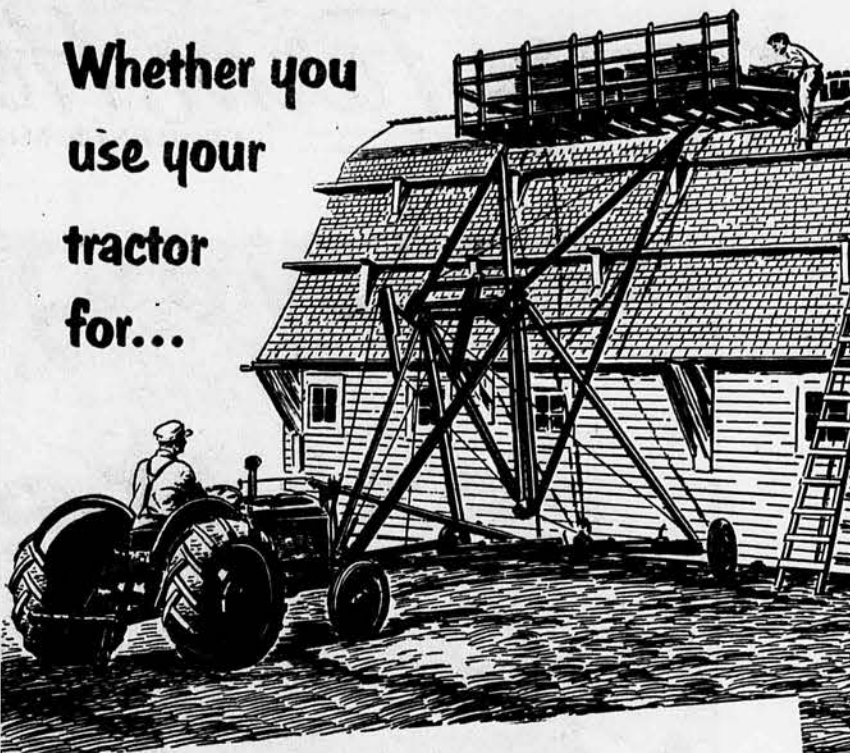
### Lint Easily Removed

I remove lint from dark suits and coats by skimming over with an inch-wide piece of adhesive tape wrapped around 2 fingers, sticky side out.—L.T.



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# Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



FRUITY INDIAN PUDDING has homespun flavor served with vanilla ice cream.

## Time for Variety

WHEN winter days lag and you long for spring, a new recipe will add sparkle and interest to the meal. Grandpa went for Indian pudding, the New Englanders can even buy it in cans, it has homespun flavor and it's full of food value.

Here, we offer it served with vanilla ice cream, the pudding hot from the oven, the ice cream cold and melting over the top. If you wish, substitute cream.

### Three-in-one Casserole

Sweet potatoes, apples and meat make a splendid combination. With a green salad or salad and dessert this makes a wholesome meal with little effort.

- |                     |                   |
|---------------------|-------------------|
| 4 sweet potatoes    | 6 pork chops      |
| 4 tart apples       | 1½ teaspoons salt |
| ¼ cup brown sugar   | ¼ teaspoon sage   |
| ¼ teaspoon cinnamon | ¼ cup water       |
|                     | dash of pepper    |

Pare sweet potatoes and slice. Cut apples without peeling in thick slices. In a greased baking dish or casserole, place the sliced potatoes and sprinkle with half the salt. Add the sliced apples, sugar and cinnamon. Arrange the pork chops on the apples and season with remaining salt, pepper and sage. Add hot water and bake in moderate oven (350°) for about 1 hour or until chops and potatoes are well done. Serves about 6.

### Fruity Indian Pudding

- |                             |                                    |
|-----------------------------|------------------------------------|
| 4 cups milk                 | ¼ cup sugar                        |
| ½ cup yellow corn meal      | ½ teaspoon cinnamon                |
| ½ cup molasses              | ½ teaspoon salt                    |
| 2 eggs                      | ¼ cup seedless raisins             |
| 2 tablespoons melted butter | ½ cup dried apricots, chopped fine |
|                             | Ice cream or cream                 |

Heat milk until it begins to bubble around the edge. Gradually add corn meal to milk and cook, stirring constantly, until slightly thickened.

Add molasses. Beat eggs, add sugar, butter, cinnamon and salt. Add hot milk mixture and mix well. Add dried fruit. Pour into a buttered baking dish. Bake in slow oven (300°) about 2 hours. Serve hot topped with ice cream or cream. Makes about 6 servings.

### Pork in Sweet Potato Nests

This makes an attractive dish, flavors blend well together and small pieces left from a roast may be used.

- |                              |                              |
|------------------------------|------------------------------|
| 1½ cups cooked pork, chopped | 1 tablespoon butter, melted  |
| 2 cups mashed sweet potatoes | 1 cup peas, canned           |
| 1 cup milk                   | ½ cup gravy                  |
|                              | ½ teaspoon salt              |
|                              | ⅛ teaspoon thyme, if desired |

To the mashed sweet potatoes, add enough milk to make mixture smooth and easy to shape. Divide sweet potato mixture into 4 mounds on a baking sheet. Make a well in center of each mound with back of spoon. Brush with melted butter. Combine pork, peas, gravy and seasoning in baking dish. Place sweet potato mounds and dish of pork mixture in moderate oven (350°) for 15 to 20 minutes. Remove both from oven and spoon the pork mixture into sweet potato nests. Serve with slice of cranberry jelly on the plate. The main ingredients may be leftovers.

[Continued on Page 33]

### Disillusioned Father

He bought a velvet panda,  
A teddy bear and doll  
A woolly lamb, a music box  
A tiny parasol.

He said, "she's like a fairy,  
So dainty, honey-sweet,  
The proper toys she now must have  
Our darling Marguerite.

But Marguerite surprised him  
She brushed aside each toy  
Then chose instead a kitchen pan  
To bang on, like a boy.

—By Camilla Walch Wilson.



## Time for Variety

(Continued from Page 32)

### Velvet Crumb Cake

This is the day of short cuts. So here we offer a new cake made with commercial biscuit mix.

- 1 1/2 cups biscuit mix
- 1/2 cup sugar
- 3 tablespoons shortening
- 1 egg
- 1/2 cup milk
- 1 teaspoon vanilla

In bowl, mix biscuit mix with sugar. Add shortening, egg, half the milk and vanilla. Stir together until ingredients are blended. Then beat vigorously for 1 minute. Stir in remainder of milk and beat for 1/2 minute. Pour into greased and floured baking dish, 8 by 8 by 2 inches. Bake about 30 minutes in moderate oven (350°). Cover with broiled topping given below, while still warm. Serve either warm or cold.

#### Broiled Topping:

- 3 tablespoons shortening, softened
- 1/2 cup brown sugar
- 2 tablespoons cream
- 1/2 cup coconut
- 1/4 cup chopped nuts

Mix all ingredients and spread over velvet-crumble cake. Place about 3 inches under broiler at low heat until mixture bubbles and browns. This will take 3 to 5 minutes. Do not burn.

### Banbury Tarts

These are made of plain pastry dough and filled with dried fruits.

- 2 cups flour
- 1/2 cup shortening
- 1/2 teaspoon salt
- cold water
- 1 1/2 cups raisins, chopped
- 1 lemon, juice and grated rind
- 1 cup sugar
- 1 egg
- 3 tablespoons cracker crumbs, fine

Prepare pie dough with flour, shortening, salt and cold water to moisten. Combine all other ingredients and mix well. From pie dough cut circles 4 to 4 1/2 inches across. Put a spoonful of the mix on each circle of dough and fold over to make a half circle. Moisten and pink the edges with a fork as for pie. Bake in a hot oven (425°) until lightly browned.

## Notes on Farm and Home Week

**M**ORE than a thousand men and women attended the first Farm and Home Week since World War II. For the women, the program ranged from a style show to an address by the president of Kansas State College, James A. McCain. There was a get-acquainted party for all women on Monday night conducted by Virginia Lee Green, of the Extension service.

Land, water and people, a subject of vital importance to Kansans, was discussed at an afternoon session. Edgar S. Borup, of the American Music Conference, Chicago, presided at 2 sessions, at both of which he urged rural women to take an active part in getting more and better music for all the people. At one point in his discussion he remarked, "We have been well known as a nation of spectators and only recently we are moving into participation." He hopes to see the time when all people will be as good critics of music as they are of a baseball game.

Certificates were given by the Extension service to 12 rural women for completion of work in varied subjects relating to homemaking. Mrs. Lea Bruce, Pratt county; Mrs. Bill McVay, Butler county, and Mrs. Roy Wafer, Morris county, won certificates in land-

scaping. For work in "You and the News," they were presented to Mrs. R. E. Mehl, Edwards county, and Mrs. Harold Tonn, of Reno county.

Six women completed work in home furnishings. They were Mrs. Emma White, Mitchell county; Mrs. Lindsay Rochat, Morris county; Mrs. Dan Schlotthauer, Marion county; Mrs. Victor Swenson, Jefferson county; Mrs. G. L. White, Montgomery county, and Mrs. George Payne, Sheridan county. For completion of work in gardening, a certificate was presented to Mrs. Christina Shriwise, Barton county.

At the business meeting it was voted to discontinue the Women's Assembly held in June during the last few years. Farm and Home Week in February will now take its place. It was announced the National Home Demonstration Meeting will be held in Raleigh, N. C., in October. The National Master Farm Homemaker Guild also will meet at that time. Present officers of the council hold over for another year.

Vernetta Fairbairn, home economist for the research department of the Consumer Cooperative Association in Kansas City, Mo., gave an illustrated talk to her farm women audience on "buy-

ing groceries with dollars and sense." Formerly a home demonstration agent in Kansas, Miss Fairbairn warned the shopper to study labels and to demand more informative labels so they will get full value for money spent. She also stressed the importance of dry milk and said it should receive more consideration in the family meals than at present.

Standing room was at a premium in recreation center in Anderson Hall, where 3 talks were given on crafts for constructive leisure. Three teachers in the art department gave illustrated talks on stitchery, weaving and textile painting. All the instructors stressed the importance of acquiring not only hand skill in crafts, but skill and knowledge in use of color combinations, and appreciation of what is good in texture as well.

### Investments, 8 Dividends, 1

Investments and dividends sparked the talk given by Mrs. J. C. McKinney when she reported the work of the education committee of the State Home Demonstration Council, which met during Farm and Home Week at Kansas State College.

The investments are the 8 home economics students at the college who are prospective home demonstration agents, and who have received \$200 scholarship awards from money raised by home demonstration women. The first dividend is Mary Lou Edwards, recipient of a previous award and now home agent in Greenwood county.

All 9 girls appeared before the session and were introduced by Mrs. McKinney. Others are Jo Eva Hinkhouse, Palco; Mildred Walker, Sabetha; Pauline Wood, Elmdale; Alice Boone Casey, Neal; Phyllis J. Patton, Holton; Dorothy VanSlike, Arkansas City; Rosemary Y. Wade, Baldwin; Leabelle Rogendorf, Manhattan.

Members of the education committee are Mrs. Lawrence House, Goodland; Mrs. Audley Porter, Overland Park, and Mrs. McKinney, chairman.

## Stop Taking Harsh Drugs for Constipation

**End chronic dosing! Regain normal regularity this all-vegetable way!**

Taking harsh drugs for constipation can punish you brutally! Their cramps and gripping disrupt normal bowel action, make you feel in need of repeated dosing.

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## Busy Mother is Prize Cook at Kansas Free Fair

Twins Mary and Mildred each hold a blue ribbon won by their mother at last fall's Kansas Free Fair. Mrs. William Edwards won 2 first prizes, 3 seconds and a third for her cooking contest entries at the Free Fair. She also won several first prizes at the Richland Fair and the Big Springs Fair.

Mrs. Edwards, of Topeka, is another prize-winning cook who prefers Fleischmann's Active Dry Yeast. "It's such a help to a

busy mother like me," she says. "This handy Dry Yeast dissolves in a jiffy and rises so fast."

All during Lent brighten your meals with delicious, nourishing goodies! When you bake at home, use yeast. Use the best—Fleischmann's Active Dry Yeast! It's always dependable—guaranteed fresher and faster rising or double your money back. For grand results every time, get Fleischmann's Active Dry Yeast.



609

THIRTY-TWO ROSE DESIGNS come in transfer packet to iron right on bed linens, towels, tablecloths, blouses and aprons. Glamorous for gifts. True-to-life tea rose colors with leaves a soft green. No embroidery. Pattern 609 has 32 roses from 1 by 2 1/2 inches and 3 1/2 to 5 1/2 inches. Send 25 cents for this pattern to Needlework Editor, Kansas Farmer, Topeka. Send 25 cents more for the new Needlework Catalog.



# The Good Seed Quality of CORNHUSKER Hybrids Is Especially Important To You This Spring!

—for 1951 was so "tough" a growing season that many areas simply couldn't produce normal seed-corn quality and yields.

CORNHUSKER, however, was lucky with its 1951 production of good high-germinating seed. Here's why:

1. This year our production area in the Platte Valley of central Nebraska was—even more than usual—the "garden spot" of the Western Corn Belt.
2. We were able to complete over 90% of our seed-field planting by May 14, 1951.
3. Heavy fertilizing aided steady progress toward maturity—just as you found was true on the most fertile fields on your own farm.
4. Thus we got more nearly normal kernel development, before the general killing frost of September 28, than was possible almost anywhere else in the entire Western Corn Belt.
5. Our entire harvested seed acreage averaged 85 bu. per acre after drying—with test weights running from 56 to more than 58 lbs. per bu.

Sales to date are by far the heaviest we've ever had—so, even with our good 1951 crop, plus a moderate supply of 1950-crop seed of excellent quality and germination, we will be completely sold out before this spring's planting is over. **DON'T DELAY**—see your CORNHUSKER dealer NOW for GOOD seed of these GREAT hybrids.

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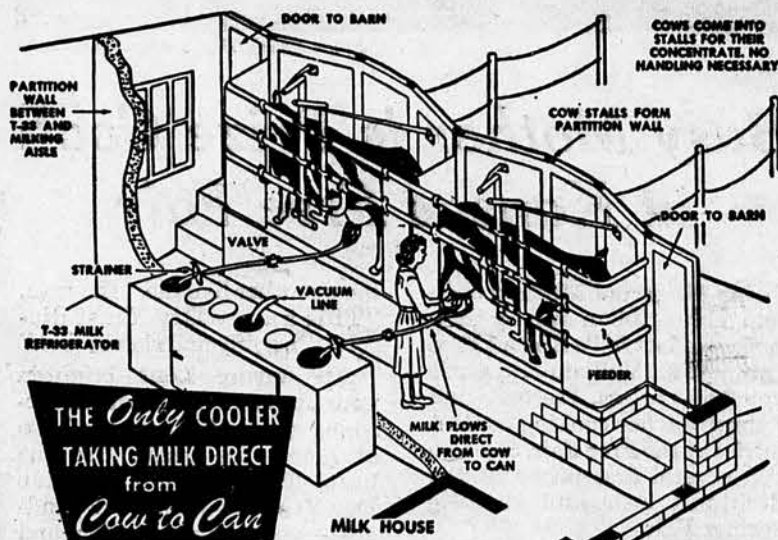
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## It's National 4-H Week

(Continued from Page 1)

During his entire 25 years of 4-H Club work Mr. Cooper has been leader of the same group, the North Osage Livestock 4-H Club. "Our club was the first organized in Osage county and is the oldest livestock 4-H Club in Kansas, so far as I know," says Mr. Cooper. "We started with 7 members and now have 42. We could have more but just don't have facilities to handle them."

An outstanding feature of Mr. Cooper's leadership has been his development of a "Spring Feeder Show Day" on his farm. This feeder show day started 16 years ago as an annual event for members of his club, but became so successful it now is a county-wide event. As many as 400 persons have attended the show.

"We invite all 4-H'ers in the county with sheep, hogs or cattle projects to bring them to the farm on Feeder Show Day," says Mr. Cooper. "Everyone who wants to attend, either as a participant or as an onlooker, brings a basket lunch and we make a day of it. Elmore G. Stout, prominent rancher from near Cottonwood Falls, usually is official judge of the show. So far as I know this is the only 4-H Club feeder day show in the state that includes sheep, hogs and cattle."

### Three Sons Did Well

As you might expect, Mr. Cooper first got into 4-H Club leadership work because of his 3 sons. Kenneth, the oldest, is now living in Denver. Harold, the middle one, lives at Morrison, Colo., and Dean now is employed at the Goodyear plant in Topeka.

All 3 of Mr. Cooper's sons gave good accounts of themselves in club work, too. Kenneth was state beef champion in 1930, the only beef champion Osage county has produced to date. Harold had champion Shorthorn beef animal at Kansas Free Fair for 3 years and Dean, in 1947, made a record at Kansas Free Fair that has never been equaled. That year he had champion 4-H Shorthorn, champion Angus and grand championship of all breeds.

Under Mr. Cooper's guidance, members of his club have shown livestock at Kansas Free Fair 24 years and have had many champions. "Baby beef has been our most successful livestock project," says Mr. Cooper.

James G. Tomson, Jr., of Wakarusa, prominent Shorthorn breeder and hybrid seed corn grower and distributor, was an early member of the North Osage County Livestock 4-H Club and gives Mr. Cooper credit for giving him early inspiration that has helped him to success in business.

Several years ago, in an article in the Chicago Daily Drivers Telegram,

Mr. Tomson had this to say about 4-H: "Mine was just an average career in 4-H. But now, looking back on it, I find it hard to measure the value to me. 4-H gave me a foundation knowledge in selecting good calves, feeding them, caring for them, fitting them, transporting them, and showing them. 4-H helped increase my ability to judge livestock and it even stimulated my interest in one phase of farming which has since led to the founding of an entirely new business—seed corn. My advice would be for every farm boy to go into 4-H Club and Vocational Agriculture work to the limit. It pays."

One thing that pleases Mr. Cooper most is for his club members to prove occasionally they have learned something about leadership.

"Without saying anything to me," says Mr. Cooper, "my club members held a meeting and decided something should be done to improve livestock barns at the Overbrook Osage County Fair. They pledged \$100 toward a fund to make improvements. Since they took the lead other farm groups have joined the effort and it now looks like new barns are assured."

"We already have held a food sale and box supper and have \$50 more than originally pledged. When we get thru with some other plans we hope to have \$300 or \$400 instead of the original \$100 promised. All labor for barns will be donated by men and boys in the community. I feel our club members have shown real leadership and have made an outstanding community contribution, and I'm mighty proud of them."

### Secret of Success

Parent interest and co-operation is the secret of 4-H Club success, says Mr. Cooper. "Every parent who can attend our club meetings and is always ready to help and encourage our members. No 4-H Club can long succeed without this continued parent interest and co-operation," he says.

While Mrs. Cooper is not listed officially as a leader, the young people who have been members of the club recognize the help she has given them thruout the years.

Biggest personal thrills the Coopers have had in connection with their 4-H Club came during 1951. Mr. Cooper got his 25-year emerald pin from J. Harold Johnson, state 4-H Club leader, at the annual Osage County Achievement Day Banquet in November. On June 3, a day after his birthday anniversary, former club members from all over Kansas and surrounding states gathered at Overbrook for a picnic dinner and reunion in

(Continued on Page 35)

## GRANDMA . . . . By Charles Kuhn





his honor. There they recognized the services of both Mr. and Mrs. Cooper by presenting them with gold wrist watches. "Nothing that has ever happened to us could compare to that reunion," says Mr. Cooper.

"How much time do you give to 4-H Club work?" we asked. "I don't know and don't care how much time it takes," says Mr. Cooper. "If we can help one boy or girl during the year, it has been worthwhile."

At the Chester Wright farm home, near Admire, we found Mrs. Wright, leader of the Duck Creek Pals 4-H Club, showing some of her members how to make artificial bouquets and other items. Mrs. Wright, who has trained herself in several kinds of craftwork, has selected crafts as her recreation project for this year.

Mrs. Wright has led 3 different 4-H Clubs during her 25-year service. She was leader of the Admire 4-H Club and the Cottonwood 4-H Club. She organized her present club 2 years ago and has 11 members, 4 boys and 7 girls. Her largest club was at Admire, where she had 48 members at one time.

#### Has Improved Greatly

How has club work changed thru the years? we asked Mrs. Wright. "Well, for one thing," she says, "there are more requirements to meet now before your club can get any recognition. The first 5 years I was in club work I had to more or less grope in the dark for programs. Now programs are well defined and have definite goals."

Being a woman is no handicap in working with boys, either, thinks Mrs. Wright. She tries to visit all the farms personally where boys raise livestock.

Like all leaders, one thing Mrs. Wright knows is that not all young people under her guidance like her at the time they are members of her club. That is why she was so thrilled when, as 2 former members recently have done, they come to her voluntarily in later life and tell her something like this: "Mrs. Wright, I didn't like some of the things you made me do when I was in your club. I just didn't see any sense to them. Now I know I have been greatly benefited by the training you gave me and I want you to know I appreciate it."

"Actually, it isn't the work I have done but what the boys and girls have done to help me," says Mrs. Wright. "Ever since I was a little girl I have wanted to be a leader of some youth organization. I feel these young people, by working with me, have made my life much richer than it would have been."

Six years ago when she was leader

of the Admire 4-H Club, one of Mrs. Wright's club members, Carolyn Anderson, prepared the following tribute to Mrs. Wright and presented it at one of the club meetings:

"The 4-H Club is the most useful and largest of all youth organizations. For outstanding work in their project boys and girls receive public recognition in the form of prize money, newspaper articles, and trips to interesting places.

"It seems to me those who deserve these awards even more are 4-H Club adult leaders who give so freely of their time and money to make better citizens of rural youths. One leader who certainly deserves an award is Mrs. Chester Wright, who has led a 4-H Club for the last 19 years. (She since has 6 more years of service.)

"Mrs. Wright first became acquainted with 4-H work when, as a young girl, she belonged to the Bread Baking Club, in Chase county.

"I have been a member of the Admire 4-H Club 7 years and know Mrs. Wright has been the main person responsible for our many successes. She not only has encouraged 100 per cent attendance at meetings but has missed only a few herself. (Mrs. Wright has missed 2 meetings in 11 years—those due to an auto accident.) Meetings are held at members' homes and she has had the greatest distance to travel most of the time.

#### A Patriotic Job

"Under Mrs. Wright's direction, Admire 4-H members have collected about 8 tons of wastepaper, 420 pounds of scrap iron and 20 sacks of milkweed pods in the last 2 years. She has made out programs, then coached us for hours to have a worthwhile production for community entertainment.

"Each year her club has become more outstanding, but she continues striving for a better one, certainly living up to the 4-H Club motto: 'To Make the Best Better.'"

"In my junior leadership work in the last 4 years I have come to know Mrs. Wright very well. She has suggested goals we might accomplish and helped us plan our work.

"In ending my 4-H career I want to thank Mrs. Wright for the many happy moments she has made possible for me and all the other boys and girls by her unending work."—Carolyn Anderson.

Nearly every 4-H graduate in Kansas probably feels that way toward his former leader. There is a warm spot there fanned by the years and never dims. But few could express the feeling better than has Carolyn Anderson, of Lyon county.

## Thoughts TO LIVE BY

### "Something to Live For"

YOUNG man, why are you studying?"

"So I can be a good farmer."

"Why do you want to be a good farmer?"

"So I can earn money to get married and have a family."

"Why do you want to get married and have a family?"

"So in my old age I may have satisfaction of knowing I have not only raised food for the hungry, but I also raised creditable sons and daughters who will be a blessing to mankind."

"Why do you want this satisfaction in your old age?"

"So when I appear before the Judge of all the earth, I may give a good account of my life and hear Him say to me, 'Well done, good and faithful servant; thou hast been faithful over a few things, I will make thee ruler over many things: enter thou into the joy of the Lord.'"

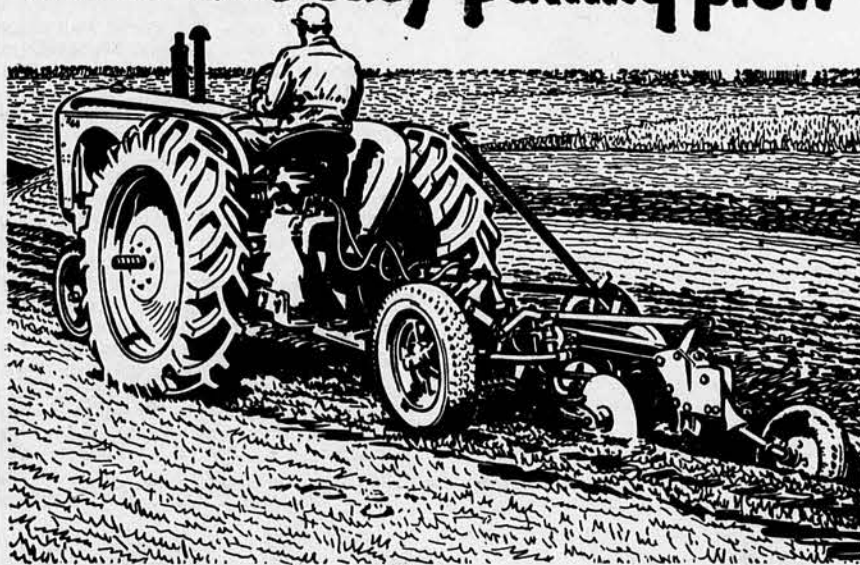
With such questions, one man went about enlisting recruits for the Christian ministry. Regardless of what vocation we may have, such answers, if they are ours, effect all

of life, our studying, our farming, our money-making, and the choice of a mate and raising our children.

Such a program has recently been illustrated by Clarence S. Johnson, long-time resident of St. Louis, Mo., and vice-president of the Ralston Purina Company until October 1950. He earned enough in the field of business to care for his family as long as they lived. Then at the age of 57, he stopped making a living to begin making a life on a larger scale than had been possible before. This does not mean his life was barren of good works before his "retirement." It was merely a matter of beginning full-time instead of part-time Christian service.

With the increase in life expectancy, and with retirement an established fact in our economy, many of us in more moderate circumstances will be able to do something similar to what Mr. Johnson is doing. The Church needs to make provision for the services of such "retired" men, and, of course, the individual must be aware he really has something to live for. —Larry Schwarz.

# Any Tractor Seems BIGGER with this easy-pulling plow



## Massey-Harris No. 28

YOU'LL like the way your tractor moves right along with a Massey-Harris No. 28 Plow. That's because the "28" pulls lighter . . . turns smooth furrows with less plow drag . . . requires less tractor power . . . saves wear and tear on the tractor . . . saves fuel.

Best of all you'll like the smooth, even-depth furrows . . . easy adjustments . . . high throat clearance for turning under heavy weeds, thick straw, tall sweet clover. Constant clearance lift raises bottoms to the same high position regardless of plowing depth — saves time at the ends. Rear furrow wheel pivots when plow is raised, permitting

shorter turns — automatically locks in alignment when bottoms are lowered, eliminating landside pressure.

With its exclusive "X" frame the "28" stands up to tough soils that can twist less sturdy plows out of alignment. Wheels run true even after many seasons of hard use because the cone-type wheel bearings are adjustable for wear.

Have your Massey-Harris dealer show you all the advantages of the No. 28 plow. See why it does more and better plowing, at a lower cost, for a longer time. Available in 2-, 3-, 4-, and 5- bottom sizes with mechanical or hydraulic lift. For complete catalog, send coupon below.

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### KILL Corn Borers

By PACKING Ground Firmly After Plowing Stalks Under



### WESTERN SPROCKET PACKER & MULCHER

It pulverizes, mulches and firms soil. IT DOES NOT UNCOVER CORN STALKS that have been plowed under, therefore corn borers in these stalks are smothered in the ground. Saves time, labor and horsepower preparing ideal seedbed. Leaves surface mulch without grooves, which greatly helps to prevent washing. This seedbed conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for full information.

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## Notes from the BEET SUGAR KITCHEN by Nancy Haven



### MAGIC LEMON PIE

Perfect for Springtime... a magical, self-forming, two-textured filling... a sponge-like top above a smooth, creamy custard.

- 3 eggs
- 1 cup Beet Sugar
- 2 tbsps. all-purpose flour
- 1 cup milk
- 4 tbsps. lemon juice

In small mixing bowl, beat egg whites until stiff; set aside.

In a larger bowl, beat egg yolks until thick and lemon-colored.

To egg yolks, slowly add sugar, flour, then milk and lemon juice; continue beating until well mixed (batter finally becomes very thin).

Fold-stir in egg whites until they are tiny white puffs in the batter.

Pour filling into 9-inch unbaked pie shell.

Bake in a hot oven (400° F.) for 10 minutes. Reduce heat to moderate (350° F.) for 35 minutes or until shell is golden brown.

Remove from oven. Cool completely. Serves six.



From leftover pastry scraps, cut out 6 daffodils for Spring, or shamrocks for St. Patrick's Day (March 17th), and dust with yellow or green colored sugar. Bake on ungreased cookie sheet in very hot oven (450° F.) about 7 minutes. Cool on cake rack. Place one atop each serving of pie.

TO COLOR SUGAR, use fork to blend 12 drops food coloring with ½ cup Beet Sugar. Let sugar dry on wax paper.

Smart Shoppers  
Buy Beet Sugar

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**Gives Protective Warmth  
FOR ACHING  
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to relieve coughs — sore muscles

To bring fast, long-lasting relief, rub on Musterole. It instantly creates a wonderful sensation of protective warmth on chest, throat and back.

Musterole not only promptly relieves coughing but also helps break up congestion in upper bronchial tubes, nose and throat, bringing amazing relief! Any drugstore.

**MUSTEROLE**

## Here Are the Winners We Award Three Prizes

By FLORENCE McKINNEY

WE NEED More Books for Our School Library, Because... proved to be a popular subject for 7th and 8th grade writers in our second contest to sponsor more and better books for young and old. All entries have been rated and awards made to the top three, this time all girls.

The Master Farm Homemaker's Guild of Kansas, which has co-operated with us in library improvement, assisted in making the ratings. Mrs. Frank Crase, Garden City; Mrs. Fred Paulsen, Zenith, and Mrs. Lanson Mayes, Emporia, read and rated all entries and final judgment was passed by the editors of *Kansas Farmer*.

Here are the winners: Kathryn Swenson, R. 2, Lyons, won first prize and has received a check for \$25 and very soon her school will receive books of their own choice in the amount of \$100.

Shirley Greer, R. 3, Independence, won second prize and a check for \$15. Her school, Four Corners, district 68, will receive \$75 worth of books.

Dolores Toy, R. 2, Manhattan, won third prize and a check for \$15. McDowell Creek school which she attends will receive \$50 worth of books.

Award winners were mailed a long list of books for all grades, prepared by Mrs. Ruth Gagliardo, of the Kansas State Teacher's Association. She is well-known among school people in Kansas as director of the Traveling Book Exhibit and editor of the *Children's Book Shelf* in the *Kansas Teacher* magazine.

*Kansas Farmer* sponsored the contest for one purpose; because we believe a well-read person is an intelligent one, and that a desire for good reading begins in childhood.

First-prize winner, Kathryn, 12, already has purchased a bond with her

There also should be a variety of subjects to choose from in each class for a well-balanced library.

Our education is helped by reading and we need interesting books added to our shelves so our library will not grow stale. We need books which will make us want to read others. Books are such an important part of school that we cannot have too many.

I would like to have more books in our school library because it would be more convenient than checking them out and returning them to the city library. We also would have more reference books quickly available to aid in our studies.

A school library has been called "a nursery of good citizenship." With more approved books, our library will meet this challenge and fill the early needs of each pupil so that we may grow up to be good citizens.

—By Kathryn Swenson.



KATHRYN SWENSON, Lyons, first-prize winner in library book contest sponsored by *Kansas Farmer*.

## Kansas Master Homemakers Meet



NEW CLASS of Kansas Master Farm Homemakers joined other class members and the women members of the Extension faculty at Kansas State College for a dinner given by *Kansas Farmer*. Left to right, seated, are Mrs. Jay Shideler, Shawnee county; Mrs. Walter M. Lewis, Pawnee county; Mrs. John Stephenson, Osborne county. Standing, left to right, Mrs. Ernest Windhorst, Ottawa county; Mrs. J. C. Hoath, Harper county; Mrs. Grover Poole, Geary county, and Florence McKinney, women's editor, *Kansas Farmer*, hostess at the dinner.

KANSAS FARMER magazine, sponsor of the Master Farm Homemaker project, entertained the group at a dinner during Farm and Home Week at Kansas State College. Twenty-two Master Homemakers attended, including the 6 members of the new class of 1951 who were chosen last fall. Women members of the Extension faculty joined the group for dinner.

Ellen Batchelor, of the Extension faculty, who has been interested in the group since its earliest days, took part in the evening's program by revealing her memories of the days when the project had its start. Each member of the class of 1951 was presented formally to the group at the dinner.

Mrs. Orville Burtis, class of 1947, entertained the group at a tea the following day at her ranch home near Manhattan. The business meeting was conducted there by president Mrs. Joseph Dawes. At election of officers, Mrs. Malferd Hendrikson, Atchison, became president; Mrs. Lanson Mayes, vice-

president, and Mrs. Burtis, sec.-treas. Mrs. H. L. Brownlee conducted a memorial for the late Senator Arthur Capper, and Mrs. Bertha Jordan, former president, now deceased.

Master Farm Homemakers in attendance were Mrs. John Stephenson, Downs; Mrs. J. C. Hoath, Anthony; Mrs. Jay Shideler, Topeka; Mrs. Ernest Windhorst, Wells; Mrs. Walter Lewis, Larned; Mrs. Grover Poole, Manhattan, all of the new class of 1951. Others were Mrs. Harvey Cox, Sharon Springs; Mrs. O. O. Wolf, Ottawa; Mrs. Robert Lister, Ottawa; Mrs. Karl Seifert, Marion; Mrs. H. L. Brownlee, Sylvia; Mrs. Orville Burtis, Manhattan; Mrs. Malferd Hendrikson, Atchison; Mrs. Samuel Fields, McPherson; Mrs. Harlan Deaver, Sabetha; Mrs. Clifford Burton, Coffeyville; Mrs. Lanson Mayes, Emporia; Mrs. Joseph Dawes, Colby; Mrs. Harper Fulton, Fort Scott; Mrs. Carrie Williams, Smith Center; Mrs. Louis Buchman, Burdick; Mrs. O. M. Coble, Sedgwick.

## We Need a Will and Faith

If each today was lived as it should be lived, we would not lay up for ourselves pains to worry about nor futures concerning which we should be fearful. To accomplish this calls for 2 things, our own will to do it and a faith in a Providence which lies beyond us. —By Dr. Annette C. Washburne.

## All From Feed Bags

The new 1952 Pattern Service bulletin is out on uses for feed sacks. It is free to anyone who sends us an order. It includes many dress designs and other ideas from laundry bags, dolls, curtains, bedspreads to seat covers and flouncers for dressing tables.

Send your order to the Home Service Editor, *Kansas Farmer*, Topeka.

money, looking ahead to the day when she hopes to enter Kansas University to train for nursing. She lives on a farm 3 miles from the 2-teacher Union Two school. The old school burned and today they have a modern brick building with an electric kitchen and hot-lunch program. In the basement, the Valley Bluebird 4-H Club holds meetings as well as the PTA and other community social events. They have a movie projector and write a school newspaper. It's a consolidated school serving an area of 50 square miles. Children are transported to school by bus.

Kathryn and her teacher, Truman Hayes, chose some of the books and she says she let each one in her room choose one and Dorothy Peterson, the lower-grade teacher, chose 20 for her room. Kathryn has a sister, Pat, 15, and 2 brothers, Bobby, 11, and Eugene, 10. Her parents are Mr. and Mrs. Harold Sauers.

Her first-prize winning story follows:

### We Need More Books in Our School Library, Because...

A book is a friend and we can never have too many friends. I think that is the main reason I would like to have more books for our library. Our school was destroyed by fire several years ago, so expenses for the new building and necessary supplies have not left much money for books. We take turns reading new books and the waiting period is long for most interesting ones.

A book is a wondrous thing. It becomes a part of the reader. We imagine ourselves as heroes and heroines and live along with them as we read. Reading increases our understanding of other people and their way of life. As we read we make progress and look forward to other books with widening interest. There are so many levels represented between the first and eighth grades that many books are required.



# For You to Sew



4689  
SIZES  
12-20; 40



4634  
SIZES  
2-10



4878  
SIZES  
12-20  
30-42

4689—New Wrap-on, to wrap on for coverall-apron or sundress. Sewing and ironing are easy, yet this is a top-fashion style. Sizes 12 to 20 and size 40. Size 16 takes 3 3/4 yards 35-inch material.

4634—A Wrap-on for the little tot with only a few parts, sews up in a jiffy, presses out to iron. She can dress herself. Sizes 2, 4, 6, 8, 10. Size 6 takes 2 1/2 yards 35-inch material.

4878—A 2-piecer to wear now and on into summer. It can be a casual or glamorous dress depending on fabric. Easy-sew, yokes and sleeves cut in one. Sizes 12 to 20 and 30 to 42. Size 16 takes 5 1/2 yards 35-inch material.

9097—A smart and simple spring charmer cut in only 2 main pattern parts. Note new neckline, a wide V. Sizes 12 to 20. Size 16 takes 4 yards 39-inch material.



4941  
SIZES  
34-50



9097 SIZES 12-20

4941—Favorite casual to give you a slim look. Scalloped neckline and peaked shoulder-cap sleeves. Sizes 34 to 50. Size 36 takes 3 3/4 yards 35-inch material.

9131—Scale your figure down with panels at skirt front. Lacy-edged darts, sleeves and neckline are flattering and youthful. Sizes 34 to 50. Size 36 takes 4 3/4 yards of 35-inch material.

Pattern Numbers	Size	Name
		Route
		Town
		State

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



## RED STAR SPECIAL ACTIVE DRY YEAST DISSOLVES FASTER

### 30 MINUTE HOT CROSS BUNS

DISSOLVE in large mixing bowl 2 pkgs. RED STAR Special Active Dry Yeast, 1 1/4 cups warm water (110°-115°). ADD 1/4 cup sugar, 1 1/4 tsp. salt, 1 egg, 3 cups sifted all-purpose flour, 1 cup raisins, 1/4 cup cut-up citron, 1 tsp. cinnamon. Beat well by hand or with electric mixer on low or medium speed. BEAT in 2 tbsp. shortening. SPOON batter into well greased muffin pans, filling about 1/3 full. Let rise in warm place until batter has risen to top of muffin pans—25 to 30 minutes. BAKE about 20 minutes, or until golden brown, in moderately hot oven (400° F.). Remove from pans to rack and glaze with thin icing. When cool make a cross on each with plain icing. Makes 18 to 24 buns.

GLAZE: 1/2 cup sifted confectioners' sugar and 4 tsp. warm water.

ICING: 1/2 cup sifted confectioners' sugar, 2 tsp. milk, pinch of salt, 1/8 tsp. vanilla extract.

I LIKE RED STAR'S FAST RISING ACTION



Let this tested recipe introduce you to wonderful Red Star yeast. You'll want to use Red Star in all your recipes. Remember, it keeps fresh for months without refrigeration.

### Remarkable Results

#### Raising Baby Chicks

Mrs. C. M. Bradshaw, Diagonal, Ia., says: "I have been using Walko Tablets for 35 years with splendid results. I would not think of trying to raise Baby Chicks without them. I also use them for my grown birds with the same satisfaction."

#### You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 60c, \$1.20, \$2.50 and \$4.00.

Walker Remedy Co. Waterloo, Iowa

### Economical Cough Relief! Try This Home Mixture

No Cooking. Makes Big Saving.

To get quick and satisfying relief from coughs due to colds, mix this recipe in your kitchen.

First, make a syrup with 2 cups granulated sugar and one cup of water. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup.

Then get 2 1/2 ounces of Pinex from any druggist. This is a special compound of proven ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations.

Put Pinex into a pint bottle, and fill up with your syrup. Thus you make a full pint of splendid medicine—about four times as much for your money. It never spoils, and tastes fine.

And for quick, blessed relief, it is surprising. You can feel it take hold in a way that means business. It loosens phlegm, soothes irritated membranes, eases soreness. Makes breathing easy, and lets you get restful sleep. Just try it, and if not pleased, your money will be refunded.

FOR EXTRA CONVENIENCE GET NEW READY-MIXED, READY-TO-USE PINEX!

## Save for Your Future!

For Tomorrow's Needs, Invest in U. S. Security Bonds --- Today!



### MAKE GLAMOROUS CAKES Dora Thiele's EASY Way

"Easy Cake Decorating," a KIT and BOOKLET with complete, simple methods worked out by a housewife to help you decorate cakes beautifully for birthdays, parties, holidays—excellent for children's cakes! Order yours today!

#### BOOKLET INCLUDES . . .

A miracle frosting recipe  
How to eliminate old decorating gadgets  
Details for decorating five special cakes  
Sandwich loaf fillings and decorations  
Three no-sift cake recipes  
Use of coloring, molds, metal tips  
Cake decorations for holidays all year

#### KIT INCLUDES . . .

Plastic outlines—metal decorating tips—harmless food colors—decorating cones.  
Plastic outlines will aid in designing clowns, witches, ducks, horses and cowboys. Metal tips used in making roses, flags, holly wreaths.

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Box 111, Evanston, Ill.





See For Yourself . . .



## Makes in Your Pigs

Occo is proved best in actual feedlot tests because it is different. High quality ingredients and superior formula make this important difference. All, yes ALL, of the minerals (plus the important "Sunshine" VITAMIN D) that your pigs need are ratio-compounded in Occo.

Leading hog raisers know it takes more than just three or four minerals to do a real hog-feeding job. . . IT TAKES OCCO, the complete, complex mineral and vitamin supplement.

**ONLY OCCO GIVES YOU THE FAMOUS OCCO FORMULA.** The formula that has been proved BEST by over 1,000,000 farmers and feeders. Yes, OCCO is the farm-tested, farm-proved COMPLEX-COMPOUND formula that gives you better pigs at lower cost. This spring bring your pigs up on Occo! See for yourself the BIG DIFFERENCE OCCO MAKES OVER ORDINARY FORMULAS! See for yourself why so many hog raisers say, "I've tried many other things, but nothing gives me the results I get with Occo."

## 1 million Farmers and Hog Raisers Have Proved OCCO Helps You . . .

### . . . Start Pigs Quicker

"Occo helps our brood sows in giving more milk for the pigs, and our hogs do better. The male hogs seem to develop faster."

L. J. Chavet & Son  
Kearney, Nebraska

"My fall pigs have had Occo ever since they were born, and they're the best bunch of hogs I have ever raised. They averaged 215 pounds at 5½ months."

J. E. Kerns  
Craig, Missouri

### . . . Grow Pigs Faster

"On December 20, 1951, I sold 20 of my fall pigs, they averaged 224 pounds at only 5-months and 12-days. They had Occo all the way through."

Otto H. Buhr  
Maynard, Iowa

"In Feeding Occo Mineral and Vitamin Supplement and Occo-Lak, I never had a bunch of hogs do any better. They always had a good appetite, never missed a feed. My feed bill was lower, too."

Clay Peer  
Monroe City, Missouri

### . . . Market Pigs Sooner

"I find I can market my hogs from 30 to 45 days sooner at less feeding cost when I free-choice Occo Mineral and Vitamin Supplement and Occo-Lak."

Everitt Quaring  
Shelton, Nebraska

"My hogs are ready for market with less feed and in a shorter time. I have been feeding Occo for over 6 years."

Richard Pralle  
Monee, Illinois

### . . . All on Less Feed

"I have been using Occo for the past five years. It will save feed and feeding time, and I recommend Occo to anyone. I have had very good luck with Occo."

Walter Kruger  
Vail, Iowa

"Occo is making me bigger profits than any other method of feeding. My pigs are all thrifty, and it takes a lot less feed to finish a hog when he gets Occo."

Orville Jurgensen  
Stickney, South Dakota



REMEMBER THIS: In buying growth-elements — It pays to buy the best — IT PAYS TO BUY OCCO, the Complex-Compound! Yes, you'll find Occo the Best in the 'Lot . . . THE BEST OF THE LOT!

Talk with the friendly Occo Service Man who lives in your community. Let him explain the BIG DIFFERENCE between Occo and ordinary mineral mixes. Then, you'll understand why so many thousands of hog raisers use only OCCO MINERAL AND VITAMIN SUPPLEMENT.



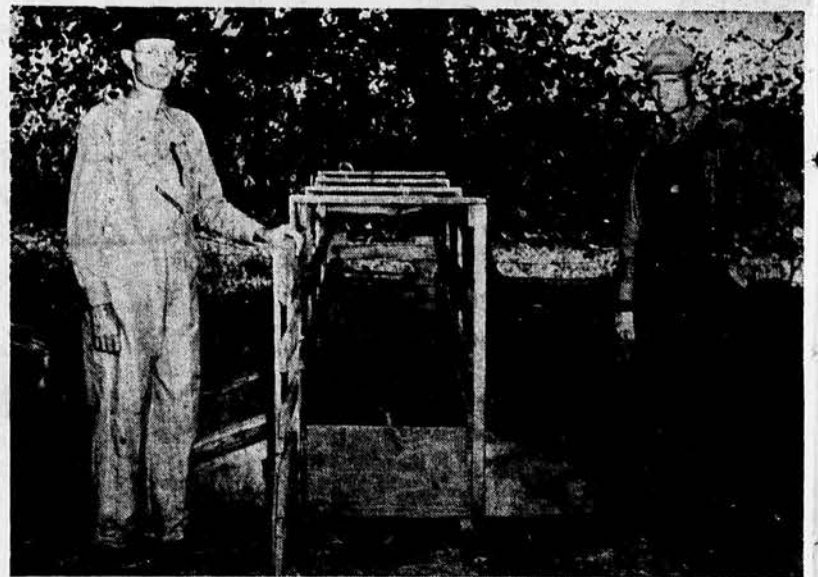
OCCO—The Best in the 'Lot . . .

The Best Of The Lot

OELWEIN, IOWA

## Using Farrowing Crates Means Saving Pigs

By MIKE BURNS



WALTER STRONG, left, and his son, Jim Strong, Allen county, show inside of farrowing crate they tried out last year. Strongs farrowed altogether 30 sows last spring with the heaviest sows going into these crates. Loss of pigs in crates only 3.

WALTER STRONG and his son, Jim Strong, Moran, last spring had 30 sows farrowing. They built 4 farrowing "crates" as an experiment, and farrowed as many litters in them as they could. Altho they put their oldest, heaviest sows in the crates, only 3 pigs were lost from these litters.

Design for the crates is by a commercial farm advisory service. Strongs built theirs out of oak, bought as a bargain at a sawmill. Gates open at each end. The sow enters thru gate at one end, also used to clean crate. Door at other end is opened to insert double trough which provides feed and water for sow. She is placed in crate just before farrowing and is kept there until 2 weeks after pigs arrive. Surprisingly enough, sows seem to be quite satisfied with the quarters, Walter Strong said.

A very few ground corn cobs are used as bedding. The sow farrows in this confinement. To lie down, she goes down on her knees rather than on her side. For heavier sows, this means almost a sure saving of pigs that would otherwise be crushed, even if a pig rail was used. Pigs in the crate can get away back into side boxes of the crate and keep warm by sow's body heat.

### Points Out One Mistake

Daily cleaning is necessary to keep the sow sanitary. Jim Strong pointed out one mistake they made in building the crates—not leaving enough space between boards in the floor of the crate to drain off liquid wastes.

The crates are mounted on skids and are easily hauled to the desired location when ready for use. Most of the time the Strongs found they could put the crates on the south side of a barn and leave them in the open for the 2 weeks after farrowing. If it was stormy or windy, a piece of sheet iron was laid over the top, or in very cold weather the crates were moved inside a shed or barn. Most of their pigs were farrowed

in 1951; February and early March. The troughs used are removable for thorough cleaning. They slide out the door but when slid into the crate are under a strip which holds them down and keeps the sow from tipping them over and spilling feed and water. Another good feature of the crates is the economy of construction—much less than the cost of regular farrowing sheds or houses.

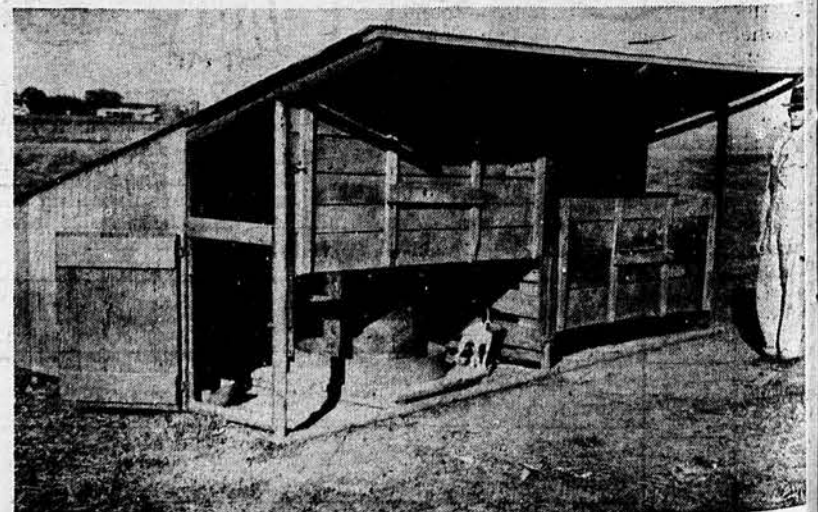
Other interesting equipment on the Strong farm includes a dual portable farrowing house. The framework is made of second-hand pipe which Jim Strong welded together. A pig rail also of pipe, is around the back and side of each farrowing pen. A triangular area between the pens houses the pig brooder.

### Good Places to Feed

Later in the season, the sliding door at the front of each pen is blocked up to provide access to the self-feeder placed inside. In the illustration, one of the farrowing pens has been opened up to show inside arrangement for self-feeding. Additional feeding space is provided by troughs around the wall. Expense of building this type house, however, is in some ways prohibitive. Walter Strong points out, altho it does provide nice quarters for sows.

Hinges in the shape of inverted question marks are another product of Jim Strong's welding ability, used on the door atop a range self-feeder. The stem of the question mark is the part bolted to the door. At the opposite end of the half loop forming the inverted top of the question mark is a strong metal loop, welded to the rest of the unit. This loop is fastened with double pointed nails to the top of the feeder and on these nails swings the weight of the door. This type hinge is a lot more substantial and swings freer than an ordinary hinge.

Strongs farm 320 acres in partnership, raise calves and feed yearlings to



THIS FARROWING PEN also is used as a self-feeder and is on skids so it can be located most anywhere on the Walter and Jim Strong farm in Allen county. Mr. Strong is shown here with the house. Trixie, Jim Strong's pup, is a favorite of both families.



## Trip to Hawaii

(Continued from Page 7)

only of coconuts but fruits, so they just pick day's need, let rest go. . . .

We saw some excellent Herefords and Holsteins. Large ranches are well fenced with posts about every 4 feet and smooth wire. On this island, the pineapple crop is about the only export. Milk is 33 cents a quart and butter is shipped in. Food and household articles are high in price. Land sells by the square foot, 40 cents for town lots. Nearly everyone has electricity and most have phones. . . .

Most people work for the big pineapple company, or at the few large ranches. Road building also uses many.

Late Sunday afternoon, after a mountain-side view of the leper colony, we hopped over to the beautiful Valley Isle, Maui. It really was beautiful—lush, rich green cane fields and grass-covered mountains, except at the very top. There is an east and west range of mountains on this island with fertile, level area between. All of the lower part is planted to sugar cane in all stages of growth. It is the largest forage growth I have ever seen. I was told the average is 72 tons per acre. They use lots of fertilizer. Fertilizer is applied to soil and in the irrigation water. It takes 22 months to produce a crop. It seems Maui has lots of water for there are cement irrigation ditches everywhere, mountain sides and all. Water supply is from wells and mountains. Pineapple fields are located higher up where there is less rain and little or no irrigation. There is good grass as far up as 6,000 feet and sage-like shrubs nearly to the top of Haleakala, the world's largest inactive crater.

### See Top Quality Animals

Quality of beef and dairy cattle is excellent and mostly Hereford and Holsteins. . . .

On the higher slopes where soil and water are plentiful, celery, lettuce and other temperate climate crops are grown, enough for local use.

Farm land as a whole and especially on Maui is operated to perfection. Large acreages are under one ownership. Giant machines made especially for a single crop are used for nearly every operation. . . . It does create labor problems. It is almost impossible for individuals to purchase family-size farms.

Total population on Maui is 40,000. . . . There are 46,000 acres of sugar cane and the world's largest sugar plantation. There are 4,000 acres of "pines"—as pineapples are called. . . .

Dear Editor: (December 10, 1951.) The thrill trip on this island is going to the top of the old crater Haleakala; 10,000 feet and cold. There was a slight skiff of snow and wind strong enough to make you lose your balance at the crater's edge. We were fortunate to see a very good sunrise over the east rim. From the rim it looks like a desert of sand dunes made of ashes of varying colors which changed colors like the Grand Canyon. . . . Nearest rim was 20 miles to the east. It takes a 2-day horse-back ride trip to go into crater.

We had another thrill even more thrilling than the crater—the north shore drive to Hana. It has tropical ferns by the millions, water falls by dozens, cliff-edge drives hundreds of feet up above the pounding ocean. The trip to Hana by the north shore is perhaps the most tortuous road to be found anywhere on Islands. . . . The slopes here are covered with lush grass and almost perfect Herefords. Can you imagine not having to put up hay or silage—just continuous pasture! However, it is not that easy, for tropical growths of all sorts try to take over so it's a fight to keep them down. Saw some brush sprayed with 2,4-D-T and 2,4-D.

Today we saw an engineering wonder constructed 60 years ago. They catch water from 60 gulches on the northeast side of Maui (wet side) and take it thru tunnels and flumes to the valley area about 60 miles to the west to irrigate cane. A smaller system is also in use on the west side of the valley. . . .

(Watch for next issue for more letters)

### How to Press a Tie

I cut pasteboard in shape of tie and slip inside tie. This holds tie and its lining in place and is much easier to do a good job of pressing.—Mrs. W. T.



LLOYD BURLINGHAM'S

# SKELLY FARM NEWS

## HERE WE GO AGAIN...

Once more our government asks for tremendous food productions. The goals proposed for 1952 would be preposterous in any other country on earth. However, American farmers are altogether likely to reach, possibly surpass, them.

**Samples:** Corn, 3,375,000,000 bushels; wheat, 1,165,000,000 bushels; oats, 1,360,000,000 bushels; cotton, 16 million bales. Fabulous totals!—4 per cent above our record output in 1951 and, as compared to the average for 1935-39, a gain of 50 per cent! Five million fewer people on the land are asked to turn out a total of food products one-half bigger than the average a dozen years ago. That's a great compliment to a great industry. And a heavy responsibility.

There is a hint of extreme urgency in our government's request. It emphasizes, "The need for agricultural production in 1952, especially feed grains, is the greatest we have ever faced."

So, here we go again. Despite shortages of labor, fertilizer and equipment, American farmers start courageously into the program of again doing the impossible. Weather willing, the goals will be reached!

## SKELLYLAND'S FAVORITE RECIPES

### WASHINGTON PIE

Our recipe for this month is a very old and a very good one. It was first used in 1867 at a wedding held in Boston, Massachusetts. It is also good to use for shortcake without the filling.

Cake portion is made as follows:

1 small cup sugar	1 teaspoon baking powder
1 tablespoon butter or other shortening	1/2 cup cold water
1 egg	1/3 teaspoon salt
1 cup flour	1 teaspoon vanilla

Sift sugar; cream butter until soft. Add the sugar gradually blending these two ingredients until they are very light and creamy. Beat in the egg.

Sift flour before measuring. Resift with salt and baking powder. Add the sifted mixture alternately to butter mixture with cold water. Beat after each addition until smooth. Bake in 2 greased layer pans in a moderate oven 375° for approximately 25 minutes or until done.

Put layers together with cream filling.

### FILLING

2 egg yolks	1 1/2 tablespoons flour or cornstarch
3/4 cup sugar	1 teaspoon vanilla
1 pint milk	1/4 teaspoon salt

Combine sugar, flour and salt. Scald milk, add to sugar mixture and cook in double boiler until smooth and thick. Add beaten egg yolks and cook until thickened. Cool and add vanilla.

Submitted by Mrs. Emil Bartels, Steinauer, Nebraska, Box 45.



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Left to right: Son-William Herrmann with his father, Charles Herrmann and Skelly Farm Service Man Paul Burkhardt.



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Farming on the 1200 acre Herrmann farm is a family affair. Miss Herrmann is a graduate dietician and an important help to her mother on the domestic side of the family. Mr. Herrmann and son William work together to farm the 800 acres of grain producing land and raise about 100 head of Shorthorn cattle annually on their 400 acres of pasture land. Mr. Herrmann has used Skelly Products for over 16 years and is extremely satisfied with

their performance. He is certainly a good judge of the supreme quality of Skelly Products since he operates two caterpillars, two tractors, two trucks and two combines along with numerous other pieces of equipment.

Mr. Herrmann expands and shares his knowledge of farming by belonging to the National Farm Bureau. He is also a former member of the Board of Directors of the Offerle Co-op in Offerle, Kansas.

Mr. Herrmann, like the many other Skelly customers in his territory, is well pleased with the service given him by Skelly Jobber Evert Bredfeldt and Serviceman Paul Burkhardt.

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## HINTS for House and Garden

- Paint can be strained easily by placing an old silk or rayon stocking over top of can.
- To keep a butter-type cake fresh longer, do this when mixing: grate a medium-size pared cored apple into batter, then bake as usual. Helps keep cake fresh, makes it extra tasty.
- To plant small seeds, put them in salt shaker. Makes planting much easier.



## PRIZE HOUSEHOLD HINT

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Above submitted by Nancy R. Micka, Darlington, Wisconsin

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**Quilt Pieces—Beautiful colorfast cotton prints.** 3 pounds \$1.50; cotton strips for rugs, 5 pounds \$2.50 postpaid. Crittenden, Lombard 12, Ill.

**FEATHERS WANTED**

**West Chicago Pays More!** Get highest cash prices for your goose and duck feathers. Send samples for prices of used feathers. Free shipping. Prompt payment. Company highly rated. West Chicago Feather Company, Dept. C. G., 112 N. Aberdeen St., Chicago 7, Ill.

**FILMS AND PRINTS**

**3c Deckledge Reprints 3c**

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

**20 DECKLEDGE REPRINTS 50c**

8-exposure roll developed and printed 25c; 16-exposure, 30c; Jumbo prints 4c each. Request complete prices.

**TINY'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 6c each. Brown Photo Company, 1910-32 Emerson, Minneapolis, Minn.

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

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

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

**FARMS—MISCELLANEOUS**

**United Farm Agency's big free spring catalog of farm and country real estate bargains can help you plan soundly for your future security in the country.** Good pictures; many states; easy terms; many equipped, growing crops included. For special service, state requirements, desired location. Write for your catalog today... it's free! United Farm Agency, 2826-KF Main St., Kansas City 1, Mo.

**320-Acre Wheat Cattle Ranch, 2,320 cultivated, 320 wheat, 1/2 goes, 1,200 gross; 4-room house, broom horse cattle barn, corrals, 4 good wells, 1000 ft. of water, 1000 ft. of gravel road to Galena, Mo., \$37.50 per acre. 320 South Caddo, 200 acres wheat, 1/2 goes, \$35.00 per acre. Terms. Other ranches. Write for kind wanted. Everett R. Rexroat, Ulysses, Kan.**

**For Sale: Stock Ranch of 875 acres, 600 acres in cultivation. Modern set of buildings carrying insurance of \$17,750.00. Ideal set-up for stock raising. Sickless causes sale. Three miles from town, eastern South Dakota. Reasonable terms. Andrew Robertson, Sisseton, S. D.**

**Strout's Two New Spring catalogs, just out!** World's largest. East and Midwest green cover; West Coast edition yellow. Farms, Homes, Businesses, 3,648 bargains. Either free. Strout Realty, 30 West 9th St., Kansas City 6, Mo.

**For Sale—80 acres in southwest Missouri; near town; good location. Write E. G. Smith, Washburn, Mo.**

**Farms That Make Money—Want one? Tell us.** Shindler, Deertrail, Colo.

**Good Homes in the Ozarks. Free lists.** Owensby, Buffalo, Mo.

**OF INTEREST TO ALL**

**Have 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.**

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

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

**Don't Feed Sparrows. Make your own trap and catch thousands. Write for details. Roy Vail, LaGrange 15, Ind.**

**Hedge Posts, all kinds, corners \$1.50 each.** Ralph Murray, Pomona, Kan.



# **WORMS Have BIG APPETITES**

**IS IT TRUE** there are earthworms several feet long? Is it true earthworms can bring 10 tons of earth to the top of an acre of soil in 1 year? The earthworm—great cultivator of the soil—is one of the most important animals benefiting agriculture. It continually turns the earth, brings up soil beneath the surface which enriches croplands. The earthworm adds to soil fertility by burying vegetable matter and by secretions. Darwin estimated worms bring to the surface in rich meadowlands not less than 1/2 inch of soil per year. Also, it's been estimated worms may bring 10 tons of castings (soil wastes from a worm) to the top of an acre of soil in one year. These castings build up topsoil, make it very fertile. The small burrows made by the earthworm leave the soil laced with tiny air holes and make soil more capable of holding air and moisture. Worms plant seeds when they cover up seeds with soil from below the surface, thus aiding in another important agricultural job.

Earthworms inhabit nearly all parts of the earth except frozen regions of high altitudes and latitudes, dry sandy soils and certain prairie areas. There are several thousand known species of worms. Most belong to 3 large groups. There are flatworms, roundworms, and segmented worms. The earthworm belongs to the 3rd group, most highly-developed one. Worms are among the most active members of the animal kingdom. The earthworm is popularly called angleworm and fishworm because it is popular as a bait for catching fish.

## **Eats Soil for Food**

The earthworm moves by contracting 2 kinds of muscles. Altho it has no eyes, on each segment is a pair of spots which are sensitive to light. There are 4 double rows of bristles—2 rows underneath and one row on each side of the body. Earthworms vary in length from 1/25th of an inch to several feet. If cut in two, the head can grow a new tail. Reproduction is by eggs. Altho there are 2 sets of reproductive organs, the earthworm mates with another. An earthworm has 10 hearts, no lips or

teeth, cannot hear, but has a well-developed sense of taste and touch. It usually goes down 12 to 18 inches but sometimes as far down as 7 or 8 feet, where it eats soil for its food. And thus becomes one of the farmer's best friends.

## **Form Poultry Historical Society**

The American Poultry Historical Society has been formed to record past and future achievements of America's rapidly-growing poultry industry. A group of poultry industry leaders met recently at the 104th Boston Poultry Show and organized the new group. One of the charter members is G. D. McClaskey, Kansas Poultry Institute, Topeka.

## **Honor Carl Elling**

Carl Elling, who served as animal husbandryman with the Kansas Agricultural Extension Service 44 years, will be honored at Kansas State College commencement in May. He will be presented an emeritus certificate and recognized for his years of service.

## **Name Sprays to Control Cutworms**

Baits and sprays to aid in controlling cutworms have been recommended by Dr. R. H. Painter, Kansas State College entomology department. He suggested baits similar to those used for grasshoppers, and sprays to control

## **Silage—Popular and Profitable Feed**

**SILAGE** and silos had their beginning in ancient Roman and Persian days, when green crops were buried in pits.

Julius Caesar is said to have learned about silage when warring upon the Teutons. He ensiled peas, beans, clover, cabbage, other green crops. These were put in pits that varied from 6 to 20 feet in depth.

Forage became popular for silage in many countries over the world, was used as early as 1843 in Germany, 1873 in France and 1875 in the United States.

First silo in the United States was the ground-pit type, and was introduced from Europe in the early 1870's.

First silo built in the United States was a square wooden building constructed by an Illinois farmer in 1873. But there was too much spoilage, and later the round silo proved more satisfactory.

In 1882, only 92 American farmers were using the silo. In 1950, hundreds of thousands of farmers were using silos, with modern emphasis placed on new, glass-lined silos.

The dome of the new glass silo can be sealed tight and a big plastic bag in the dome allows the silo to "breathe," the bag expanding and contracting with changes in temperature.

Nearly all kinds of forage and hay

cutworms that appear to be taking crops.

"Each individual must decide whether it is economically sound to apply the poisons," Doctor Painter said. Baits or sprays should be applied only in late afternoon or early evening when temperatures are 50 to 60 degrees Fahrenheit, as that is when they feed. Also, sprays should be applied when the greatest number of worms are above ground so at least some of them can be hit with the spray.

One spray recommended was toxaphene, applied at 1 1/2 to 2 pounds actual insecticide an acre (one quart of 40 per cent or 1 1/2 pints of 60 per cent emulsifiable concentrate contains 1 1/2 pounds of toxaphene). Another spray was chlordane, applied 1 to 1 1/2 pounds of actual insecticide an acre. A third spray recommended was DDT applied 1 1/2 pounds of actual insecticide an acre.

Doctor Painter said sprays may be applied with either ground or air equipment. The emulsifiable concentrate form of insecticide will be needed, if applied at low gallonage rates.

## **Wheat Committee Urges More Research**

Kansas Wheat Research Committee has recommended a comprehensive research program on hard red winter wheat for Kansas.

Because of increases in losses of wheat in storage and in the field due to insects and diseases, the committee urges increased research work. Also, "an accelerated long-time research program on diseases and insects of wheat, soil management and fertility and problems of storage and marketing" is seriously needed, the report stated.

Money available for research in 1951 was \$202,000, in 1950 it was \$145,000 and \$270,000 will be spent in 1952. About 40 per cent of those amounts is from the federal government; remainder is from the state. The committee estimates the \$270,000 will equal only 0.09 of 1 per cent of the value of the 1952 wheat crop.

## **New 4-H Book**

A new book on 4-H Club work has been printed. It is "The 4-H Story," issued by Iowa State College Press, Ames, Ia. Author is Franklin M. Reck. The book is sponsored by the National Committee for Boys and Girls Club Work, Chicago. The history of 4-H activities in America is accompanied by more than 300 pictures.



crops can be ensiled. In districts, where corn will not do well, sunflowers can be substituted; oats, peas, beet tops, beet pulp, canning refuse, and other by-products can be ensiled and turned into excellent feed.

Good silage can be kept for years; there are records of keeping silage 7 years, comments the National Silage Educational Committee.

In a farm demonstration study in Kansas, in which 571 farms were studied, it was found silo users made 20 per cent more profit a cow per year.

## **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





**...thanks to my Knoedler Seat I can tractor-farm again!**

"I had an inward rupture, yet I get an easy, comfortable ride out of my Knoedler Seat . . . it cuts out all those painful jars and bounces. I'd say it's a must for any man with a physical disability!" says V. W. Dankenbring, Box 257, St. Francis, Kansas.



The genuine Health-Saving Knoedler Seat's spring-hydraulic comfort floats you over the roughest ground. Instant adjustment "fits" the ride to your weight and field conditions. Universal Model available with "sliding adjustment."

Low-Clearance Model has "tilt-back" feature and furrow-leveling adjustment. Both take pan seat, easily installed on most tractors.

Models as low as \$26.20 (F.O.B. Streator. Prices subject to change without notice.)

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Makes Your 3-Pt. Hookup Tractor A Post Hole Digger. Dig clean, deep holes! Dig where others can't. Quickly raises dirt out of hole. Release clutch allows operator to stop auger from turning while raising or lowering. Prevents auger from sticking. Hole is now ready. Quickly attached to Ford or Ferguson Tractor. Rugged—built to last! If your dealer can't supply you, call or write BMB COMPANY, INC. MOORE 1, KANSAS

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Experts say rich southwest area has bright future . . .

## Ag Congress Stresses Farming Adjustments

By MIKE BURNS

FARMING in Southwestern Kansas was under scrutiny of experts last week. They were convinced "as the economy of this region matures, livestock will assume an increasingly important role." Increasing livestock production, stabilizing cropping with full possibilities of crop and grassland irrigation, and marketing to a new center of population in expanding southwestern states, form the bright picture of possibility for this rich Kansas region.

In 2 days, 600 farmers and farm leaders attended Garden City's second annual Southwest Agricultural Congress, February 20 and 21. Their sincere interest in taking hold of the proposed program was indicated by the questions asked of specialists during discussion periods.

Need for an adjustment was stressed by Dr. A. D. Weber, associate director of the Kansas Experiment Station.

### Need Soil Practices

"Continuous cropping has lowered humus content of Southwest Kansas soils. And with evidence we are beginning to deplete fertility of these soils, crop diversification and soil-conservation practices are needed. This means production of feeds for livestock," Doctor Weber explained.

Analyzing conditions in 19 Southwest Kansas counties, Doctor Weber said, "This is almost the last frontier available for expansion of dry-land crop production in the United States. Original impetus of World War I and continuing demand of following conflicts brought a 10-fold increase in wheat acreage here in less than 50 years while the state as a whole only doubled pro-

duction. A fourth of Kansas wheat is now produced in this Southwest area.

There are a lot of mistaken notions about the role of livestock here, he said. Outsiders think the area is all in crops, but 29 percent is still in pasture.

Another misconception regarding the contribution of livestock to gross farm income of this region was pointed out by Doctor Weber. He cited figures showing in best crop years 27 per cent of this income in Southwest Kansas was from livestock. In the 30's when crops went down, livestock provided 40 per cent of the income. For the state as a whole, highest livestock income over a 25-year period came in 1930-34, the poorest year for crops.

Southwest Kansas looks even more promising than Eastern and Central Kansas as far as sheep production is concerned, and we've made 100 to as much as 300 per cent profit back there for a number of years, T. Donald Bell, animal husbandry professor at Kansas State College, said, in outlining a long-range sheep program for this area.

For the last 7 years, Kansas has led the feeder-lamb situation, using wheat pasture, but when wheat is gone, sheep are moved out and we lose a contribution to Western Kansas economy, Doctor Bell said.

"A year ago we had about one million lambs on volunteer wheat pasture in September. By December, we had less than 100,000. At the same time our elevators were jammed and we had grain piled on the ground. Yet we shipped our lambs East, North and West. Right behind them, we shipped the grain to feed them. No one could feed those sheep cheaper than we could.

Lot Taylor, Extension specialist in animal husbandry, recommended those interested in a beef cattle program study thoroly the production program best fitted to their program, and ride it thru both good and bad years to get full benefit from their farming program.

"You can't feed a dairy cow wrong in this region," Prof. F. W. Atkeson, head of Dairy Husbandry at the College, told the Congress. With plenty of alfalfa hay here, you don't have a protein problem and any of your farm-grown grains are all right.

### Discuss Irrigation Problems

There are many questions as yet unanswered regarding irrigation in sub-humid or semiarid regions, Ivan D. Wood, SCS irrigation engineer, said in leading off a discussion of farming Southwest Kansas' irrigable lands. Studying older irrigated areas for ideas can be expensive, he warned. With labor costs an ever-increasingly important factor, modern methods including expert land leveling and border-dike type irrigation are essential.

Carl Carlson, of the Garden City Experiment Station, in discussing soil treatments for irrigated lands, emphasized physical condition of the soil. Excess tillage is detrimental.

Rotations and farm manures do much to improve physical condition and fertility of the soil, he said.

Opening the second day of the Congress, methods of stabilizing crop production were told by Dr. H. H. Laude, of the College agronomy department. Stable crop program is interrelated with a stable livestock program, he said.

"Between Lawrence and Salina is where the West begins, but this is where the Southwest begins, as far as insect life is concerned," Dr. R. C. Smith, head of entomology at the College, said.

Wheat mosaic is still a big mystery, Claude King, Extension plant pathologist stated, "but we know a lot more about it than we did." Control methods suggested were: keeping down volunteer wheat which could act as a carrier, and delaying planting until after September 15, since earlier plantings seem to be those most affected.

The Congress, sponsored by the Garden City Chamber of Commerce, was opened by Chamber President Paul Masoner. Another Congress is planned next year, the Chamber encouraging program suggestions from anyone interested.

## Don't Gamble On Water for Crops



### Investigate The JOHNSON Right Angle DRIVE

The Johnson Gear Drive has outstanding engineering features that pay big dividends . . . delivers unfailing service 24 hours a day—day in and day out—assuring low-cost water for bumper crops and more profits.

Thousands in successful use on farms all over the United States. Readily available in types and sizes to meet the need of small or large acreage. The Johnson Right Angle Drive excels in these features:—

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14-, 16-, and 18-foot Galvanized Iron Roofs  
**\$35 DOWN PAYMENT**  
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**YOU, TOO, CAN BE POPULAR for only \$38.00**

Yes, sir, your cows will really love you when you feed them on rich, vitalizing silage from a Dodson "Red and White Top" Silo. By using your own row crops and grasses as silage, you'll get more beef and milk per acre than ever before. \$38 will bring you yours, pay balance from income. . . WRITE US TODAY.

**DODSON MFG. CO., INC.**  
WICHITA and CONCORDIA, KANSAS



## Have You Heard?



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

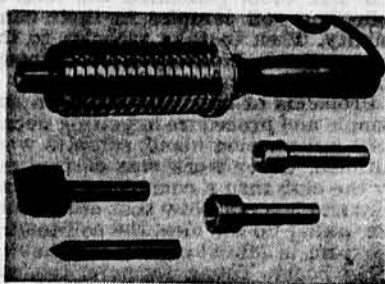
**M**ANY uses are being found these days for concrete blocks. Quick Action Block Machine is quick in action, low in cost, high in production and is of the vibrator type. The electric vibrator is driven with a 1/4-h.p. motor. The machine was designed and built by the Panco Mfg. Co., St. Louis, Mo., and makes any standard size or style block used in the building industry.

**MCP** is a hormone-type weed killer, and experimental quantities will be available from Monsanto Chemical Company, St. Louis, Mo., first U. S. producer of MCP. MCP is similar to 2,4-D in mode of action and offers increased advantages. It is less injurious to various grasses, cereal crops and legumes than 2,4-D. It is highly effective in controlling such grain pests as Canada thistle and deep-rooted perennials. Weeds are an ever-present enemy and news of new weed killers is welcomed.

**Convertible carrier** for mounting on tractors has been made by Yetter Mfg. Co., Colchester, Ill. It's designed to fit tractors made with hydraulic lift, and has over 1,000 pounds capacity. The carrier is a "build-up" type, and conver-

No-Clog is a product of Grand Central Mills, Inc., New York, N. Y.

**McKeen Unit** is a new 3-purpose electric calf dehorner, lamb dock and soldering iron. It operates on 110 or



120 AC-DC current, is made by the L. F. McKee Co., Houghton Lake, Mich. A special aluminum shield serves to radiate and direct heat to the tip. The shield also protects against burning of operator or animal. The unit comes equipped with a wood handle, 6 feet of insulated cord and a wrench for changing tips.

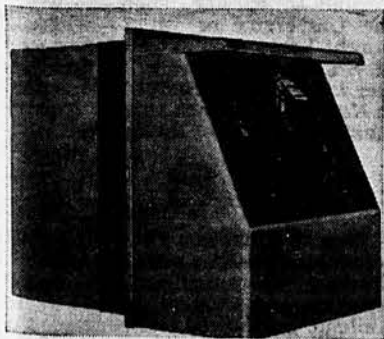
**Special corn planter tire** is now available for changeover on many planters with steel wheels, announces B. F. Goodrich Co., Akron, O. Changeovers will be made by the company's dealers and stores. The tire now is available only in size 7.50-20. Changeovers can be made only on corn planters equipped with steel wheels of 30-inch diameter. Advantages: does a more efficient job than steel wheels; tire cushions the shock of rocks, resulting in even planting depth and less damage to planter;



sions are available as separate units. The base frame is recommended for carrying sharp and bulky implements and to accommodate factory or home-made attachments. There's a quick hitch, enabling operator to simply back up, hitch on and drive off.

A new 20,000-ton-per-year superphosphate and fertilizer mixing plant now is in full production at Bartlesville, Okla., announces Sunset Fertilizer Company. The plant has extensive facilities for producing a complete line of mixed fertilizers.

**Kool-Rite Co., Roberts, Wis.**, has developed a new, easily-handled package refrigeration unit for farm coolers—for all types of perishables, in-



cluding meats, milk, eggs, poultry and general produce. The unit can be installed and operating in short time. There are no valves to open or close when placing the unit in operation. There are 5 sizes which ensure a wide range of models to fit any size cooler.

**No-Clog** is a new product for the home—cleanser which cuts waste, removing ordinary dirt and grease at the same time. It's a fast-actioned compound that's harmless to plumbing, is simple to use. It comes in 2-pound cans and is simply emptied into the sink, bathtub or commode and flushed off.

### New Ag Movie

"Green Gold" is a new educational movie produced by Martin Steel Products Corp., Mansfield, O. The color movie shows important details of making finest-quality green hay and silage. Is available for local showings thru arrangements with Martin agents.

## To Dramatize Agriculture's Need for Nitrogen SPENCER INTRODUCES

# Mr. N



**SOON YOU WILL SEE** Spencer Chemical Company's "Mr. N," new symbol of the grow-power of nitrogen! Designed for Spencer by the well-known artist, Arthur Kraft, "Mr. N" makes his debut on the front of each new bag of Spencer Ammonium Nitrate Fertilizer. Look for him there! And remember: Nitrogen is in tremendous demand this year, so use it wisely.



**MORE CORN.** Field on left yielded 95.7 bushels after getting 200 to 250 lbs. of nitrogen fertilizer, plowed down, and 120 lbs. of 4-24-12. Field on right received 145 lbs. of 8-8-8 in the planter, plus 200 lbs. of 0-18-0 plowed down. It yielded only 44.5 bushels.



**MORE WHEAT.** Near Cheney, Kansas, Keith Foley came out 200 lbs. short on nitrogen fertilizer. Result: Wheat that received no nitrogen (right) produced 9.7 bushels. The portion that got nitrogen (left) yielded 20.0 bushels.



**MORE PASTURE.** By topdressing ammonium nitrate fertilizer in the fall and spring, J. B. Spears and Sons of Covington, Ga., grazed 225 head of mature beef cattle from October thru March on 140 acres of fescue and Ladino clover!



**RESEARCH AND DEVELOPMENT** work in the fertilizer field is carried on by these 5 Spencer agronomists. These men work with state and federal agricultural experts to help solve your fertilizer problems. Can one of them be of service to you?



## SUPPLIES THE NITROGEN

33.5% Nitrogen—Fertilizer Grade Ammonium Nitrate—Spencer Nitrogen Solutions for Famous Brands of Mixed Fertilizers.



# THE ANNUAL HUTCHINSON SHORTHORN AND POLLED SHORTHORN SHOW AND SALE



is coming to

## Hutchinson, Kan. March 22, 1952

at the Kansas State Fair Grounds

Show: 9:30 A. M. — Sale: 1:00 P. M.

Judge—James Tomson, Jr.

Auctioneer—C. D. Swaffar

### 24 Shorthorn Bulls 13 Polled Shorthorn Bulls

Good headed, thick, blocky, well developed 2-year-olds and strong yearlings, everything ready for heavy service with the exception of 2 junior bull calves. This is a splendid offering of bulls, sired by popular herd bulls and consigned by leading Kansas Shorthorn and Polled Shorthorn breeders.

### 8 Females

Five topnotch open Shorthorn heifers, 1 Polled Shorthorn cow with calf at foot, 1 Polled Shorthorn bred heifer and 1 Polled Shorthorn open heifer.

If you have a herd bull problem for either a purebred or commercial herd to solve, this is the sale that will solve your buying needs. We would like to call your attention again to the fact that this sale includes an unusually large number of strong aged Shorthorn and Polled Shorthorn bulls, ready for hard service this spring.

**Mervin F. Aegerter, Sale Manager, Seward, Nebr.**

Join the Crowd

See Top Shorthorns and Polled Shorthorns Show and Sold

Sponsored by

Central Kansas Shorthorn and Polled Shorthorn Breeders' Assn.

REMEMBER ONCE MORE THIS IS THE PLACE TO GET YOUR  
HERD BULL THIS SPRING

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Mike Wilson for Kansas Farmer

## REGISTERED HAMPSHIRE BRED GILT SALE

1:00 P. M. at the farm located 2 miles east and 1/2 mile north of

### Morrill, Kansas, March 8, 1952

Selling 50 Head of Reg. Gilts, bred for March and April farrow. These gilts have been carefully conditioned and handled to insure big litters of husky pigs. They are mated to 2 lengthy, fast growing boars. A son of Special Model and a son of Knabe's Special. This offering surpasses last years in quality and size. Also selling several top-notch fall boars.

Write for free catalog. If unable to attend send mail bids.

**SUNSHINE FARM, Warren Ploeger & Family**

G. H. Shaw, Auctioneer MORRILL, KANSAS Mike Wilson for Kansas Farmer

## Read the Ads In This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer.

Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

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Advertised Products  
With Confidence!**

### Livestock Advertising Rates

Effective February 1, 1951

1/4 Column inch (5 lines) ... \$3.50 per issue  
1 Column inch ..... \$9.80 per issue  
The ad costing \$3.50 is the smallest accepted.

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

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

### March 15 Will Be Our Next Issue

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

**Friday, March 7**

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



## News of Kansas 4-H Clubs

By Gordon West

SEVERAL clubs in Miami county developed an idea for a new community project, and now this plan has spread to several other clubs. Lloyd Christie, Jr., leader of the Do-It-Yourself 4-H Club, presented the idea of collecting soil samples in their community. Then to take samples to the County Soil Laboratory to Dick Moody, county 4-H agent.

Problems of correctly taking a soil sample and procedure in getting necessary information about samples were outlined. Other work was carried out by the club thru a committee of members and leaders. Now that other clubs are taking up the idea, the soil-testing program in Miami county is receiving a big boost. Young farmers, too, are finding soils need testing to show what "foods" they need.

Joyce Brown, newly-elected reporter of the Jolly Jayhawkers 4-H Club in Ford county, tells us these are the community leaders who will aid project activities in 1952—Mrs. R. K. Marmon, sewing; Mrs. A. A. Lockman, cooking; Willis Leighty, livestock; Ansel Hager, crops, and Mrs. Don Shelly and H. A. Keller, 4-H community leaders. Many a 4-H Club owes much of its success to the active co-operation and interest of parents in the community who serve as project leaders.

A carnival sponsored by Meadow Lark Flyers club in Labette county recently netted \$80. Money is being used in club activities and community projects. The carnival was complete with homemade ice cream, sandwiches, soft drinks and all the games and events that go with a gala carnival. The program included songs, musical numbers by a sextette, piano duet, a county-winning play and a talk on club accomplishments by County Agent Robert Acre, Jr. Pies were auctioned and a cakewalk was held. Other "carnival" events included a fortune-telling booth, country store, fun house, photography booth and a fishing pond. Merchandise for booths was donated by various Parsons business firms. Mr. and Mrs. H. E. Redden are community leaders.

Morton Hustlers 4-H Club, Wallace county, has come up with a new idea in money making, writes Patty Goings, reporter. "Boys will do branding of cattle and other kinds of farmer's work around the community."

This club has several interesting activities to their credit, and fun, recently—old-fashioned taffy pull; all members with baby beef projects took calves to the pre-Christmas stock show at Denver, and boys of the club challenged their fathers to a livestock judging contest—losers to treat winners.

Despite devastating floods last July, for the 4th year in a row Shawnee county 4-H Club members grossed more than \$100,000 income from projects. Actual net profit totaled \$60,724.08. Profit from corn projects brought members \$11,758.09 net income, says Merle Eyestone, club agent. Next on the list was profit from beef—\$11,536.67. Then, swine projects brought \$9,263.27 profit.

In girls' projects, most profit came from clothing work—\$2,362.51; then \$2,222.10 from baking projects. Total gross value for all projects in the county was \$123,152.62, which makes this one of the best records in Kansas for 1951. It is more remarkable because of the 4-H'ers numerous flood losses.

There were 401 boys and 380 girls enrolled in projects during the year. They were members of 24 separate clubs. Completing their record books were 80 per cent of the boys and 86 per cent of the girls. A total of 496 members exhibited their projects at the county fair, and 425 exhibited at the Topeka Free Fair. It was a BIG year for Shawnee county 4-H'ers, and these facts are but a few that could be stated.

Monola 4-H Club is the newest 4-H organization in Shawnee county. Ruth Griffiths has been elected president. Other officers: Jimmy Carlisle, vice-president; Nancy Griffiths, secretary-treasurer, and Larry Carlisle, reporter. Leaders are Mrs. Clyde Carlisle, community leader; Mrs. Manuel Wooster, cooking and Mrs. Kirk Shafer, clothing.

Something new in 4-H Club work in Kansas is 4-H annuals. Most 4-H'ers know about the Who's Who, state 4-H annual, published at Kansas State College by the Collegiate 4-H Club. Now comes news of a 4-H annual for a county.

Shawnee county 4-H'ers are busy working on their annual—the "picture deadline" is drawing near, and the book went to press December 10. This active group includes pictures and news of their local clubs, pays honor to members who achieve outstanding success in project work.

Rosaline Bosworth, Six Mile club, is editor. Business manager is Leonard Renyer, Wakarusa club. The 1952 annual, in its 3rd year of publication, will be 32 pages. Associate editors are Janet and Keith Nash, Kaw Valley club; Alberta Kreipe, Tecumseh club, and Roy Castle, rural life club.

"What Ever Became Of?" Department: Ruth Hodgson was an outstanding 4-H'er in Riley county before she went to Kansas State College to study home economics. There she made practically a straight "A" average, to be one of the best students in the history of the department. Ruth was top home economics judge in Kansas one year at Kansas Free Fair and won a scholarship to Kansas State. She was "state champ" in music appreciation one year and also was a Miniwanca trip winner. Following college graduation in 1944, she studied for a master's degree at Cornell University. Then she went to the University of Illinois where she taught home economics. Today, she is at Stanford University in California. Her father, Louis Hodgson, was named in Kansas Farmer in 1933 as one of the Master Farmers of that year.

Eugene Riffel is a Dickinson county "champion" 4-H'er who has a habit of showing "champion" animals at fairs. At the recent Central Kansas Fair, at Abilene, he showed the champion and reserve-champion Hereford steers. Also, he had grand-champion steer over all breeds and champion heifer. Eugene took the reserve champion of that fair to the Tri County Fair, at Herington, and won champion over the Hereford class of 47 head.

This active 4-H'er is vice-president of the Navarre Boosters 4-H Club, is a member of his county's council organization. Eugene has been a 4-H member 7 years, now owns 11 females and 4 bulls. One of the bulls is being used as the junior herd sire at his father's polled Hereford farm, Walnut Grove Farms.



## Dairy CATTLE

### MISSOURI STATE SALE Mon., April 14 -- Columbia, Mo.

12 NOON C. S. T.  
The Fifteenth Missouri Guernsey Breeders' Consignment Sale will go ahead as usual the spring of 1952. We are assisting with the St. Albans Dispersal, April 7 and 8 but feel our State Sale is a fixture and will be supported as will the St. Albans Dispersal.  
The offering will consist of splendid consignments from leading Missouri, Indiana, Oklahoma, New York, and Mississippi herds.  
15 Cows in milk. Young and of good type. Production records of over 600 pounds in A. R.  
20 Bred Heifers. Our sale feature. The kind to bank on in a 2 for 1 buy.  
12 Open Heifers. A flashy lot with lots of type. Out of dams with records to nearly 700 pounds.  
3 Bulls. By good proved sires and from dams with 700 pounds up.  
Tb., Brucellosis and Mastitis free. Many calving vaccinated.  
For catalog write:  
**THE MISSOURI GUERNSEY BREEDERS' ASSOCIATION**  
H. A. Herman, Secretary-Treasurer  
125 E. Hickman Hall, Columbia, Mo.

### AYRSHIRES

**MOST PROFITABLE COWS**

4% MILK

Big Milkers Hardy Rustlers  
Good Grazers Perfect Udders

Write for Booklets and List of  
Breeders near you with Stock for sale  
Ayrshire Breeders' Association  
280 Centre St., Brandon, Va.

### 11 MONTH OLD HOLSTEIN BULL FOR SALE

Born March 27, 1951. Exceptionally nice type and large for age. Sire's dam is "Excellent" with 910 lbs. fat. His own dam is a very nice 2-year-old daughter of our Venus cow, "Venus" with 675 lbs. fat, 4.4% test, in 10 months at 4 years of age. Write for further information and price.  
**ERNEST A. REED & SON**  
LYONS, KANSAS

### North Crest Farm Holstein Bulls

To 18 months from dams with DHIA records from 500 to 725 lbs. butterfat. One fresh 2-year-old, can also spare several 4-H calves.  
**WESLEY NAURETH, Riley, Kansas**

### WISCONSIN DAIRY CATTLE

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

### Dual-Purpose CATTLE

#### RED POLLS

Now offering one 8-months-old bull. A few cows. Would also spare some heifers. Right type, bred right.  
If in the market for good Red Polls contact us immediately. Visitors welcome.  
**W. E. ROSS & SON**  
Smith Center, Kansas

### REG. RED POLL BULL

For Sale. Calved January 20, 1951. Bred by Jacob Biehn, Russell. Dam was bred by W. E. Ross, Smith Center.  
Owner, **MAURICE W. SNYDER, Alton, Kansas**  
6 miles east on U. S. 24.

### JEWELCREST FARMS

#### Reg. MILKING SHORTHORN BULLS

One outstanding roan—8 months old, solid RM pedigree. One red 2-weeks-old, dam RM. Sire: Silverpark Bladen 2nd.  
**W. E. LEWIS, 1/4 mile south, Esbon, Kan.**

### BROOKVIEW

#### MILKING SHORTHORN HERD

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

### POLLED MILKING SHORTHORN BULL

Red, 10 months old. Sired by Woodside Typhoon.  
**MAX CRAIG, Osaage City, Kansas**

### HOGS

#### REG. DUROC GILTS

Bred to farrow in March and April. Tops in bloodlines. Also several choice Fall Boars. Vaccinated. Farmer prices.  
**ARTHUR E. ROEPKE, Waterville, Kan.**

### Reg. OIC Bred Gilts

**Chester Peterson**  
Osaage City, Kan.

### SHEEP

#### PUREBRED SUFFOLK EWES

100 Ewes with lambs \$65.00 head for group. 200 Bred Ewes \$55.00 a head for 25 or more. Lambs that ewes are bred to cost average of \$20.00 a head. Of Phil Rock consignment.  
**HERMAN POPP, Haven, Kan., Phone 37F3**

### AUCTIONEERS

## BERT POWELL

AUCTIONEER  
LIVESTOCK AND REAL ESTATE  
2000 First Avenue Topeka, Kan.

## Discuss Cake for Steer Calves

Winter caking rates were discussed fully at the recent annual Field Day of the U. S. Southern Great Plains Field Station, at Woodward, Okla.  
Feeding a daily ration of one pound of 41 per cent protein cottonseed cake to weaner steer calves in winter gave lower winter gains and slightly less year-long gains than similar cattle fed 2 pounds of cake in winter. However, the lower rate of feeding was more profitable when cattle were carried on grass alone in summer and marketed the following fall. Wintering calves on grass alone resulted in much lower gains and less profit than was obtained from caking or dormant grass.  
It was reported these results indicate that at least one pound of the protein supplement is needed as a daily winter ration for normal growth and development of weaner calves on native range. Feeding as much as 2 pounds a day may be advantageous during winters of feed shortage, severe weather, or when grasses have been leached.

## Wheat Growers Elect 1952 Officers

President of the Kansas Association of Wheat Growers for 1952 is R. L. Patterson, Oxford. He succeeds G. W. Egbert, Ingalls. Other officers re-elected were Dayton Yoder, Conway, vice-president; Byrd Hardy, Greensburg, treasurer; Earl Rathler, Nekoma, secretary, and Joe Berkely, Dodge City, executive secretary.  
At their annual meeting at Great Bend, the association voted to make enactment of the proposed Kansas wheat law their major objective in 1952. Two changes urged were elimination of the "voluntary refund" clause which would permit a grower to withdraw his contribution to the association after 30 days, and a different method of selecting commissioners to administer the law if passed.

## Announce 1952 Young Gardeners Contest

Announcement is made of the 1952 production-marketing contest of the National Junior Vegetable Growers Association. Young vegetable growers match gardening skills and production records. Awards are made from the \$6,000 scholarship fund provided each year by A & P Food Stores as a part of its farm youth sponsorship.  
Kansas winner for 1951 was James McCoid, Rossville. Kansas entrants have guidance and counsel of W. G. Amstein, Extension horticultural specialist at Kansas State College, and state leader for contest. Details of 1952 competition may be obtained by writing or seeing Mr. Amstein.

## Thanks for Grandma

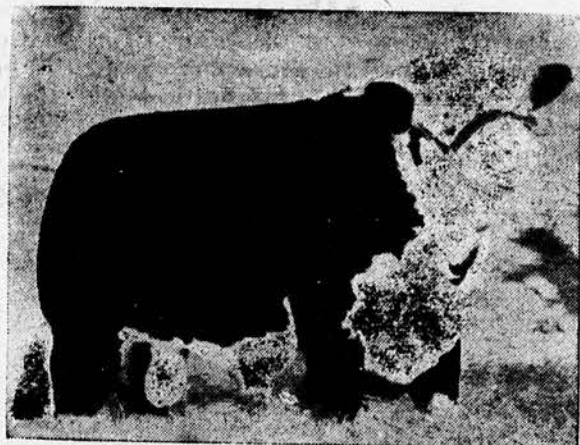
Dear Editor: I am writing to tell you how very much I like "Grandma" of Kansas Farmer. She is so alert and likeable. One may laugh at the funny things she does yet love her too, love her for her youthful heart of gold, all brought out so pleasingly in the November 3, 1951, Kansas Farmer. Grandma's expression shows she has won a night of repose and "doggie's" forward perked ears show that all is well with him.  
The "grandma" you picture is not the type to sit and repine. She is really a very excellent example for others of her age to follow, and younger ones, too, when it comes to staying young in spirit. Thanks for enjoyment of "Grandma."—L. Blosser, Montgomery Co.

## Announce 1952 Soil Essay Contest

Announcement is made of 1952 essay contest of National Grange and American Plant Food Council, Inc., Washington, D. C. Contest began January 1 and closes March 31.  
Young people who prepare winning essays on "Conservation Farming for Abundant Living" will share in \$10,000 cash prizes. Certificates of Award will be presented to state and national winners. National winners receive an expense-paid trip to attend annual session of National Grange, to be held in November.  
For details of contest, information may be obtained from Claude Brey, Ozarkie.

# JOINT HEREFORD CATTLE SALE MARCH 21, 1952

H. G. REUBER H. A. ROGERS & SON  
**Atwood, Kansas**



BEAU TREDWAY 10TH 6080724

Featuring the following herd sires:

TH REGAL MIXER 47 4595353 PIONEER MIXER 3453025  
BATTLE DOMINO 37TH 3605652 PIONEER MIXER 51ST 5114194

## 24 BULLS — 26 FEMALES

Herd Bull Prospects — Range Bulls and Farmer Bulls

15 Open Heifers, all good ones; 7 Bred Heifers, bred to Beau Tredway 10th (pictured); 2 Cows, 2 Heifers, bred to TH Regal Mixer 47.

These cattle are of the highest quality and should be received by the most critical buyers. As this is our first joint sale, we are offering females that should have never left our herds. They are all young cattle and will grow into some wonderful cows. We invite you to attend this sale whether you are interested in buying or not.

Write for sale catalogs to:  
**H. A. ROGERS, Atwood, Kansas**  
Freddie Chandler, Auctioneer

# "A KANSAS SPECIAL" ABERDEEN-ANGUS SALE April 21, 1952

Sale at 1:00 P. M.

## Hutchinson, Kansas

Central Sales Pavilion in (South) Hutchinson  
**58 HEAD — 28 Bred Heifers**  
**20 Open Heifers — 10 Bulls**

FEATURING THE GET AND SERVICES OF:

Homeplace Elleenmere 109, son of Elleenmere 487th.  
Prince Sunbeam 633, son of Prince Sunbeam 29th.  
Applewood Bandolier 251, grandson of Bandolier Anoka 3rd.  
Bandolier 81 of Wilton, son of Bandolier 44th of Wilton.  
Bandolier of Anoka 54, son of Prince Bandolier 7th.

Owners: Lloyd Ericson, Marquette; H. E. Thallmann & Son, Haven; Wendell Davis, Norwich  
For catalogs write **WENDELL DAVIS, Norwich, Kansas**  
Auctioneer: Ray Sims Mike Wilson for Kansas Farmer

### Kansas, Missouri and Associates Sale of

## RED POLL CATTLE

Sale held at the Chillicothe Sales Pavilion  
**Chillicothe, Mo., Tues., Mar. 18**  
(Chillicothe is on 36 and 65 highway just a few miles east of St. Joseph, Mo.)  
Selling 25 Females and 10 Bulls

Cows with calves, bred cows, open heifers. Bulls, 8 months to service age. Red Polls of excellent breeding sell.  
Kansas Consignors—J. E. Loepke & Son, Pen- alosa; Locke & Locke, Burns; Robert Hoferer, St. Marys.  
Nebraska Consignors —Dale Bush, Lincoln; Frank Braber, David City, Missouri; Logan & Logan, Tarkio; L. H. Issacs, Wheeling; Hillard Eversmeyer, Troy; Jerry & Leon Everman, Winston; Jerry B. Vyrostek, Weatherby.  
Iowa Consignors—Hunter & Hunter, Bedford; Roy Tapper & Son, Monona. Health papers on all animals selling. Pedigrees read by F. A. Sloan, National Secretary.  
Evening Meal and Breeders Get Together  
Meeting March 17 at Sale Barn  
For sale catalogs write to  
**JERRY B. VYROSTEK, Weatherby, Mo.**  
Auctioneer—Bert Powell, Topeka, Kan.

## WATCH AND WAIT for

### TWIN OAK FARM

## MOUNDRIDGE, KANSAS

### Sale, April 17

#### HEREFORD

Cows with calves  
Bred Cows  
Bred Heifers  
Open Heifers  
Heifer Calves  
Bulls ready for service  
Yearling Bulls  
Bull Calves  
(Outstanding herd bull prospects and good range bulls.)  
For information and catalog address  
**PHIL ADRIAN**  
Moundridge, Kansas



## O'BRYAN RANCH POLLED HEREFORD SALE March 11, 1952, Hiattville, Kan. SELLING 144 HEAD

The offering includes 9 bulls, 35 bred heifers, they will carry the services of EER Victor Tone 4th and O Larry Mischief 7th, our 1951 National Polled Hereford Champion. 100 open heifers by ALF Choice Domino 11, ALF Battle Mixer 10, Woodrow Mischief 76, Bonny B Mischief 1 and Bonny B Mischief 7th. Also a few range bulls.



O'Larry Mischief 7th, the champion bull at the 1951 National Polled Hereford Show, the \$20,000 bull. Buy his sons to him on March 11th.

The sale will be held at the home ranch, 125 miles southwest of Kansas City, 25 miles west of Ft. Scott, 25 miles east of Chanute on Kansas Highway 39.

**JOE O'BRYAN — O'BRYAN RANCH**

Hiattville, Kansas

Fulkerson and Watson, Auctioneers Mike Wilson for Kansas Farmer

## OUR FIRST ABERDEEN-ANGUS PRODUCTION SALE

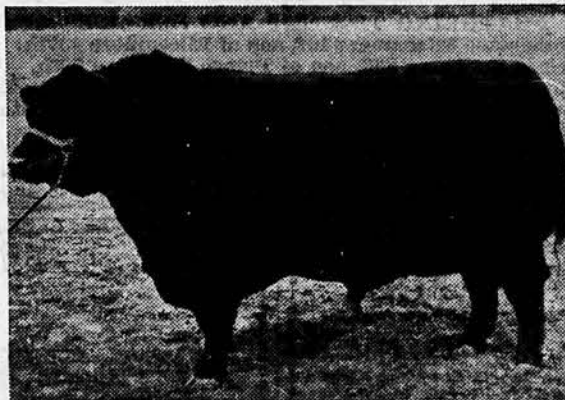
**April 3, 1952**

at the Oscar C. Latzke farm, 10 miles southwest of

**JUNCTION CITY, KANSAS**

just off Highway 77

**17 Bulls and 40 Females**



We will sell sons and daughters of Eileenmere 1073rd. A portion of the females are bred to him. Some will have calves at foot by sale day. The heifers in the sale are bred to Eileenmere 1544th, our new herd sire. 1073rd is one of the good sons of Eileenmere 500th, having the same dam as Quality Bardolier 3rd. There will be a select group of bulls and females by the good son of Hardwickmere 60th, who is by Prizemere 364th and for a dam has Estamere, the grand champion in Chicago in 1938. We feel this offering is of the kind that will improve beef cattle and believe the cattle are bred right, having been taken out of our breeding herds. They are not highly fitted, but selling in very strong breeding condition.

WRITE FOR CATALOG AND BE WITH US SALE DAY

OSCAR C. LATZKE, Junction City, Kansas

ELMER H. SELLIN, Chapman, Kansas

Ray Sims, Auctioneer

Mike Wilson for Kansas Farmer



**IN THE  
FIELD**

**MIKE WILSON**

Topeka, Kansas  
Livestock Editor

The KANSAS GREAT PLAINS HEREFORD ASSOCIATION met evening of February 7, at Oakley for purpose of electing officers for coming year. Howard Grover, Colby, was elected president; Jim Mader, Grainfield, vice-president; Russell Stewart, Quinter, Secretary, and Bill Goddard, Penokee, sales manager. Plans are being made now for a sale to be sponsored in near future.

Seven registered Milking Shorthorns owned by J. E. EDIGER & SONS, Inman, recently have been classified by an authorized inspector of American Milking Shorthorn Society. Animals and their official ratings as announced by the society are: Grandview Delight 2d (very good); Grandview Roan Delight (good plus); Grandview Rosie 3d (good plus); Hilltop Betty (excellent); Liberty Fern (very good); Plainview Rosie (Excellent), and Rasmah Choice Goods (very good).

The CHISHOLM TRAIL ABERDEEN-ANGUS BREEDERS ASSOCIATION held their 1st consignment sale at Caldwell. Sixty head of cattle were sold for an average of \$514; 16 bulls averaged \$534, and 44 females, \$507. Wendell Davis, Norwich, consigned top-selling bull, which brought \$1,000 on bid of Walter Becker, Cawker City. Elmer W. Johnson consigned top-selling female; she also brought \$1,000 and sold to Robert Korb, Jr., Burr Oak. About 1,100 breeders and farmers attended. Cattle were sold in good strong breeding condition. Ray Sims was auctioneer.

I have a fine letter from O. E. McCLURE, Hampshire hog breeder from Republic. He is advertising and selling some top-notch bred gilts this spring. Cliff, as most of us know him, has spent most of his life building a great herd of registered Hampshires. In the past he has exhibited at many fairs. Animals shown always have been at top of classes, many times champions. Mr. McClure recently has made quite an addition to his herd boar battery, in selection of 2nd top boar in the Affley Hill sale. New boar is a son of McGuire's Royal Major. It is felt this mating will produce type of Hampshires so much in demand today.

An Ayrshire PROMOTIONAL SALE was held in new 4-H building at Moundridge, on January 11. Consignors were Eldon and Arlo Flickner, Moundridge; Chester Unruh, Hillsboro, and W. S. Watson, Hutchinson. Sixty-five head were sold for an average of \$280; 22 cows averaged \$382; 23 heifers averaged \$173; 6 bulls averaged \$253. Top cow brought \$595; she was from Flickner consignment and sold to Fred Bendure, Coolidge. Top bull was sold at \$500, coming from the Unruh consignment, and purchased by the Flickners, Moundridge. Cattle were all bought by Kansas buyers. Krehbiel & Krehbiel and Walter Hand handled the sale.

Annual Duroc production sale of VERN V. ALBRECHT was held at farm, at Smith Center, on February 9. Prices received and attendance was very satisfactory. This was 52nd Anniversary Sale of Albrecht Durocs. Father Flannagan Home, Boytown, Neb., purchased top-selling gilt at \$225. Fifty-eight head of Durocs were sold, making a general average of \$101 per head. Mr. Albrecht states local demand for offering was not too good. However, majority of offering was purchased by Kansas breeders and farmers. Vern Albrecht has done a fine job in promoting and keeping Duroc hogs among top ranks in the Midwest. Powell and Sullivan sold the offering.

In the FRED CHILEN PRODUCTION SALE of Angus cattle numbers were not great but quality was high and prices very satisfactory. Sale was held in Beverly Sales Barn, Salina, on February 13. Twenty-two bulls averaged \$558 per head; 9 females made an average of \$630. Thirteen hundred dollars was top price paid for bulls, Ronald Brothers, Roxbury, gave that figure for a May, 1951, son of Homeplace Eileenmere 48th. George White, Gypsum, paid \$760 for top female, a May, 1951, heifer. She was a granddaughter of Homeplace Eileenmere 48th. Thirty-one head of cattle were sold in ordinary breeding condition for average of \$580 per head. Entire offering were direct descendants of great Eileenmere 487th. Col. Roy Johnson was auctioneer.

KANSAS DUROC BREEDERS this year selected Garden City for their state bred sow sale. Outcome was more than satisfactory: 43 head of bred gilts sold for a general average of \$120 per head. Seven fall boars averaged \$80 per head. Top bred gilt was consigned by Vern V. Albrecht, Smith Center, and sold to Keith Wilcox, Albert, N. M., for \$225. In fall boar division, Ben A. Flett, Delphos, was successful in consigning champion and top-selling pig, at \$175. This boar went to Bert E. Starrett, Lamar, Colo. Roy Anderson, Duroc breeder from Ft. Lupton, Colo., was the judge preceding the sale. A pre-sale banquet and business meeting was held. Ben A. Flett, Delphos, was elected president; Herman Popp, Haven, vice-president, and Dean Hall, Lebanon, secretary-treasurer. About 50 attended this meeting. Herman Popp, Haven, was sale manager. Tom Sullivan was auctioneer.

ALVIN T. WARRINGTON AND RICHARD B. KARST sale of Shorthorn cattle at the Warrington farm southwest of Rich Hill, Mo., was attended by a large crowd from several states. Offering as a whole was in desirable breeding condition and average of \$383 was satisfactory on over 40 lots sold.

Top of sale was Lot 1 bull, Gregg Farm Vinosee. He sold for \$1,000 to Glen Silvey, Modoc. Ralph Mutch, Pittsburg, paid \$785 for Lot 15 bull and Lot 14 bull sold for \$650 to Clyde T. Nelson, Buncheon, Mo. These bulls were grandsons of Pittodrie Upright. 17 bulls, which included several too young for service, averaged \$390.

Females sold up to \$675. This price was paid for Lot 30, a 2-year-old heifer with a heifer calf at side by Lot 1 bull. Buyer was I. J. Spitzer, Grigston. Several head went to this buyer. Lot 42 cow and calf, sold separately, went for \$755. Cow at \$350 went to Jerry and Joe McDonald, Brownwell, and calf at \$405 to Billy Reed, Rich Hill. The Reeds bought several head. High-selling

cow at \$400 went to Kendall Anderson, Harrisonville, Mo. Cows and calves sold as one lot averaged almost \$600, and bred cows over \$400.

Buyers from several states made selections but big per cent of offering went to Kansas and Missouri buyers. Sale was held in big machine shed just completed prior to sale. It was an excellent place to hold the sale. These breeders expressed satisfaction with prices paid in their February 13 sale. Mervin F. Aegerter was sales manager. C. D. Swaffler and C. C. McGinnis were auctioneers. Bert Powell represented this publication.

Fifty-four head of registered Herefords were sold in the KAW VALLEY ASSOCIATION SHOW AND SALE, at Manhattan, Friday, February 8. A general average of \$497 per head was made; 15 females averaged \$476; 39 bulls, and a great number of them 1951 calves, averaged \$505 per head. B. W. Hereford Ranch, Topeka, were heaviest buyers. They paid \$1,230 for CK Ranch champion bull of show. This same firm also bought champion female from Carl Wagner consignment, Randolph, at \$705. CK Ranch, Brookville, were exhibitors of reserve champion female, and she was also sold to B. W. Hereford Ranch for \$775. B. W. Ranch has purchased a number of top females at various sales in the territory this spring. They are building a very fine herd of registered Hereford cattle on their ranch just west of Topeka, owned by Blair and Watson. Wendell Moyer, Manhattan, did a fine job in managing sale and Col. Gene Watson officiated.

O. M. NEWMAN & SON, MARSHALL, Axtell, for past several years have been engaged in building a herd of Polled Herefords. This firm has made a practice of purchasing land in the community that is in a more or less rundown condition. The Newmans terrace, lime and fertilizer and seed this land to grass. Results obtained from practices are very gratifying. Their plans are to continue improvements and expansion of their Polled Hereford herd to about 120 head of registered cows. Newmans always are searching for good herd bulls, kind that will improve the herd. They recently have selected S. R. Larry Domino, a son of CMR Larry Domino, to use at head of their herd. This good bull was purchased from the Simpson Polled Hereford Farm in Iowa. Doctor Newman for many years practiced medicine in Axtell community. He is now retired and is spending his time doctoring ill soils in the community. The Newmans are doing a fine job. You should stop in and see them some time.

### 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	\$34.00	\$35.00
Hogs .....	17.65	18.10	22.50
Lambs .....	27.00	29.00	38.00
Hens, 4 to 5 lbs. ....	.35	.27	.32
Eggs, Standards .....	.33	.33	.42
Butterfat, No. 1 .....	.82	.77	.65
Wheat, No. 2, Hard .....	2.57	2.58	2.44
Corn, No. 2, Yellow .....	1.91	2.01	1.73
Oats, No. 2, White .....	1.03	1.11	1.10
Barley, No. 2 .....	1.45	1.56	1.59
Alfalfa, No. 1 .....	35.00	44.00	41.00
Prairie, No. 1 .....	28.00	29.00	18.00

### Soil Test Leads To 90-bushel Corn

First time he applied fertilizer for corn according to soil test, C. E. Early, Johnson county, received 90-bushel corn as his reward. And it wasn't the best field on my farm either, he points out.

It was a 6-acre area with a rather steep slope that had been in oats and lespedeza. The field was newly terraced and Mr. Early planted it to corn so he could get a crop return from it the same year. He applied 300 pounds of 4-12-4 and 100 pounds of ammonium nitrate. This was plowed under. Corn was planted at the rate of 10,000 to 11,000 stalks an acre.

In another field the fertilizer application was 300 pounds of 4-12-4 alone. The yield of corn from this field was 50 bushels an acre.

Mr. Early says he has been using fertilizer for some years, but never in very large amounts. He had more soil tested for this year's crops.

### More Youths Go Abroad

Kansas sent 8 of her outstanding young farm people to foreign countries in 1951 under the International Farm Youth Exchange program. Recent departures were made by Keith Burt, Concordia, who went to Australia and William McOsker, Wichita, who is in Chile.

Paul Tillotson, Shields, left in November for Mexico. Five other young people have returned from their trips to Europe, and readers of Kansas Farmer already have been told of exciting and educational experiences by the travelers themselves.

### Mice Deceiver

I have found peanut butter a better bait for mousetraps than cheese. Peanut butter is too soft, it may be worked into a bit of cotton and fastened to trip on trap.—X. Y. Z.



**Beef CATTLE****SHEEHY'S ANNUAL  
HEREFORD CATTLE AND  
DUROC HOG SALE**

at Welty's Sales Pavilion  
Nevada, Missouri  
Mon., Mar. 17, 1 P.M.

Selling 20 Young Cows and Heifers all bred for early spring calves. 20 head of serviceable bulls. One outstanding 6-year-old bull. Herefords sell in just good breeding condition.

40 Head of Duroc Bred Glits that will farrow in April and May. All Herefords and Durocs registered.

For sale catalog write to  
C. M. SHEEHY & SON, Richards, Mo.


**REMINDER  
KANSAS POLLED  
HEREFORD BULL SALE**  
Liberal, Kansas  
March 10, 1952

Selling 100 Bulls

"Top Polled Bulls from Top Kansas Herds." Selling herd bull prospects and serviceable aged bulls.

**VIC ROTH, Sale Manager**  
Box 702 Hays, Kansas

**20 Polled Hereford Bulls**

 Sired by polled sons  
of C. K. Cadet

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

**GOERNANDT BROS.**

Ames (near Concordia), Kansas

**REG POLLED HEREFORDS**

Offering 13 smooth, low down yearling and coming yearling heifers, also 6 bulls, all reasonable priced. Start that boy in the registered cattle business with the popular Polled, located 10 east and 5 1/2 miles north of Emporia. Better have a look.

**LEE COWDEN, Reading, Kansas**  
Phone 88F4 Reading

**FOR SALE 20 CHOICE REGISTERED  
Angus Bulls**

Coming 2 years old. Rugged, thick and plenty of scale. Raised together. Inspection invited.

**L. E. LAFLIN, Crab Orchard, Nebr.**

**REG. ABERDEEN-ANGUS BULLS**

For sale. Also a few Females.  
**CHESTNUT & RAILSBACK, Quinter, Kansas**

**BEEF CATTLE**

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

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

**FOR SALE  
3 DARK RED SHORTHORN BULLS**  
Calved in March, 1951. They are thick straight lined rugged fellows. Half-brother to the 1951 State Sale reserve champion heifer.

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

**YOUNG BULLS** 8 months to 2 years, low down, rugged calves, best of breeding. Two ready for heavy service. One for light service.

**MRS. LOU MOORE, McLouth, Kansas**

**100 HEAD  
Banbury's POLLED SHORTHORNS**  
For sale: "Supreme Hallmark" calved March 18, 1949. Dark Red, among the best in Polled Shorthorns. Guaranteed. Herd sire: Cherry Hill Hallmark 3rd in Get of Sire at the Kansas State Fair in 1950. Princess Coronita—Champion female at the Kansas State Sale in 1950. Calhoun vaccinated, deliver at cost in Kansas.  
9 miles southwest of Hutchinson, then 14 miles west on blacktop road.  
**J. C. BANBURY & SONS**  
Plevna, Kansas

**• AUCTIONEERS •****HAROLD TONN**

Auctioneer and  
Complete  
Sales Service

Write, phone or wire  
Haven, Kansas

**Public Sales of Livestock****Aberdeen-Angus Cattle**

March 3—Penney & James, Hamilton, Mo. J. B. McCorkle, Sale Manager, AIU Building, Columbus, Ia.  
March 28—J. S. Center Angus Association, Smith Center, Leonard Patton, Secretary.  
April 2—South East Kansas Breeders' Association, Iola, Kan. Clarence C. Ericson, Sale Manager, Savonburg, Kan.  
April 3—Oscar Latzke, Junction City, Kan.  
April 7—The St. Joseph Reg. Aberdeen-Angus Bull Sale, Furebred Livestock Sale Pavilion, St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
April 10—Mid-Kansas Aberdeen-Angus Sale, Hutchinson, Kan. Lloyd Ericson, Sale Manager, Marquette, Kan.  
April 16—Humboldt Angus, Humboldt, Ia. Donald J. Bowman, Sale Manager, Hamilton, Mo.  
April 21—Ericson, Thalmann and Davis Production Sale, Hutchinson, Kan.  
April 22—Northeast Kansas, Hiawatha, Kan. Harry Dandliker, Secretary, Hiawatha.  
April 24—Humboldt Hereford, Humboldt, Ia. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
May 1—G. W. & Ada C. Caldwell, Harlan, Kan.

**Guernsey cattle**

April 14—Missouri Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, Eckles Hall, Columbia, Mo.

**Holstein Cattle**

May 15—Central Kansas Breeders Spring Consignment Sale, Hutchinson, Kan. Hobart McVay, Sale Manager, Nickerson, Kan.  
October 8—Kansas State Holstein Association Sale, Herington, Kan. R. L. Evans, Hutchinson. Chairman State Sale Committee.  
October 23—Central Kansas Breeders Fall Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.  
October 28—Nebraska State Holstein Association Sale, Lincoln, Nebr. Robt. Koehler, Fremont, Secretary. T. Hobart McVay, Sale Manager, Nickerson, Kan.

**Hereford Cattle**

March 3—Marshall County Hereford Breeders' Association, Marysville, Kan. Elmer E. Peterson, Secretary, Waterville.  
March 4—Solomon Valley Hereford Association Sale, Osborne, Kan. J. Harold Carswell, Sale Manager, Alton, Kan.  
March 5—3-Way Sale, Hutchinson, Kan.  
March 7—Cimarron Valley Hereford Association, Hugoton, Kan. Otis E. Griggs, Sale Manager, Box 277, Hugoton, Kan.  
March 17—C. M. Sheehy & Son, Richards, Mo. Sale at Nevada, Mo.  
March 18—North Central Kansas, Belleville, Kan. Geo. C. Wreath, Sale Manager.  
March 31—The 4th Pony Express Reg. Hereford Consignment Sale, St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
April 3—The 3rd Four-State Hereford Consignment Sale, Joplin, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.  
April 12—Kansas Hereford Association, Horton, Kan.  
April 16—Sutor Hereford Farms, Zurich, Kan.  
April 17—Twin Oak Farm, Moundridge, Kan.  
April 30—4-Square Sale, Oakley, Kan. John Nickel, Sale Manager, Levant, Kan.  
April 30—"The Heart of Herefordom" Reg. Hereford Consignment Sale, New Ford Owens Sale Pavilion, Belton, Mo.  
May 13—Marycrest Farm, Maloy, Ia. J. B. McCorkle, Sales Manager, 3500 AIU Bldg., Columbus, O.  
May 19—Red Oak Farms, Rocky Comfort, Mo. J. B. McCorkle, Sales Manager, 3500 AIU Bldg., Columbus, O.  
October 6—Hiland Stock Farms, Superior, Nebr. Melvin Schiermeyer, Owner.  
October 8—Beeks-Cleland, Baldwin, Kan.  
October 9—Jim Riffe, Junction City, Kan.  
October 11—CK Ranch, Brookville, Kan.  
October 27—John W. Spencer, Straight Creek Farms, Whiting, Kan. Sale at Marysville, Kan.  
October 30—Flint Hills Association, Cottonwood Falls, Kan.  
November 6—Lincoln County, Sylvan Grove, Kan.  
November 11—Tonn & Fishburn, Haven, Kan.  
November 24—Sumner County Hereford Breeders' Association Sale, Wellington, Kan. Paul M. Philippi, Secretary-Treasurer, Argonia, Kan.

**Polled Hereford Cattle**

March 10—Robert Halbert & Lee Fawcett, Miller, Mo.  
March 11—O'Bryan Ranch, Hiattville, Kan.

**Red Poll Cattle**

March 18—Kansas, Missouri and Associated Breeders, Chillicothe, Mo. Jerry Vyrostek, Sales Manager, Weatherby, Mo.

**Shorthorn Cattle**

March 4—Southeast Kansas all Scotch Shorthorn Sale, Girard, Kan. Melvin Ralph, Sale Manager, Girard, Kan.  
March 22—Central Kansas Breeders' Association, Hutchinson, Kan. M. F. Aegerter, Sales Manager, Seward, Nebr.  
April 11—Mid Kansas Association, Salina, Kan. M. F. Aegerter, Sales Manager, Seward, Nebr.  
April 12—Henry Dietz, Wakeeney, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.  
June 6—W. A. Cochel and D. W. Bishop, Gashland, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

**Polled Shorthorn Cattle**

April 10—Missouri Breeders' Association, Sedalia, Mo. Rollo E. Singleton, Secretary, State Department of Agriculture, Jefferson City, Mo.

**Milking Shorthorn Cattle**

April 19—South Central District All Heifer Sale, fairgrounds, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.  
April 25—National Milking Shorthorn Show and Sale, Springfield, Mo. American Milking Shorthorn Society, Managers, 313 So. Glenstone, Springfield, Mo.

**Duroc Hogs**

March 17—C. M. Sheehy & Son, Richards, Mo. Sale at Nevada, Mo.  
April 10—Herman Popp, Haven, Kan. Sale at Moundridge, Kan.

**Hampshire Hogs**

March 8—Sunshine Farms, Morrill, Kan. Warren Ploeger, Owner.

**Hereford Hogs**

March 1—Kansas Hereford Hog Breeders' Association, Hays, Kan. Ray Rusk, Secretary, Wellington, Kan.

**Hampshire Sheep**

May 8—Missouri Breeders' Association, South St. Joseph, Mo. Glen Armentrout, Sales Manager, Norborne, Mo.

On February 11, JOHN GAREIS & SONS, Wamego, held their 2nd Production Sale of registered Hampshire hogs at the farm. Weather conditions were perfect, and around 150 farmers and breeders were present to share this offering of quality Hampshires. A top of \$105 was made on bred sows; on a daughter of great Mischief Model. Fifty bred sows and glits were sold from \$105 down. A few fall boars were sold from \$67.50 down. Lyle Rhinehart, Onaga, was purchaser of both top boar and female. He also bought several other bred glits. Offering represented tops in bloodlines and tops in individuals.

# NCK HEREFORD SHOW & SALE

Tuesday, March 18, 1952  
Belleville, Kan.

Fairgrounds (in heated building)

**85 REGISTERED HEREFORD CATTLE 85**  
**55 BULLS—Mostly of Breeding Age**  
**30 FEMALES—All Ages**

Show at 9:00 A. M. — Sale at 12:00 Noon



For catalog write

**DR. GEO. C. WREATH, Sales Mgr., Belleville, Kan.**

Sale sponsored by NCK HEREFORD ASSOCIATION

Freddie Chandler, Auctioneer

Mike Willson for Kansas Farmer

## NCK HEREFORD SHOW AND SALE

Belleville, Ks.  
Tues., Mar. 18



meaty and easy feeding type.  
**SWENSON BROS.**  
CONCORDIA, KANSAS

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**

## ROBERT HALBERT and LEE FAWCETT SALE OF POLLED HEREFORDS

60 HEAD SELLING

in their  
**"SALE OF PROGRESS"**  
on March 10  
Miller, Missouri

(Sale 1 mile north of the junction of highway 66 and 77) Near Phelps

**10 HERD BULL PROSPECTS**  
**50 BRED HEIFERS SELL**

The Sales Offering—Nearly all of the 60 head offered trace to Domestic Woodrow, the 1946 Fort Worth champion bull. He is the sire of many champions at leading shows. Most of the bulls selling are sons and grandsons of Domestic Woodrow. Some of the females carry the service of HHR Larry Domino, a grandson of bred to Domestic Mischief 259th pictured here.

For sale catalog write to HALBERT & FAWCETT, Miller, Mo., or to JEWETT FULKERSON, Liberty, Mo.





# THE TANK TRUCK



There's a black sheep on this farm, but it isn't Everett Davis or his herdsman, Joe Dumont. Everett has been using Conoco Products since he began farming in 1939.

## 1,800 "Lost" Sheep!

IT WAS 38° below zero! Across the Montana plains, the blizzard had roared for 24 hours. Everett Davis, muffled to his frosted eyelashes, listened to the bleating of sheep through the shriek of the quick-freezing wind. Somehow, half his flock was straying away, drifting, as sheep do, with the driving wind.

For 24 hours, far from food or shelter, Everett shepherded his confused and quivering flock. In the half-light that scarcely deepened between day and night, he kept the 1,800 sheep together. When finally the wind stopped and the sky cleared, Everett found that only 75 sheep had strayed.

This is the spirit that has made Everett

Davis one of the finest sheep men and wheat farmers in the West. Today, Everett farms 600 acres of wheatland near Peerless, Montana, and runs a herd of crossbreeds... combinations of Rambouillet and Lincoln, and the lamb yield will be as high as 14 per cent twins or triplets! He attributes most of his success in sheep raising to treating the animals well. And he likes to treat his farm machinery the same way!

"I think my prize exhibit is my 1936 John Deere tractor," Mr. Davis says. "My Dad had this tractor before me, and always used Conoco Products in it. It had had nothing but minor repairs for 14 years, so last fall I

took it to the repair shop. The inside of the motor was almost as clean as new, and upon 'miking' the wrist pins and wrist-pin bushings, they were so close to factory specifications we put them back in!

"I attribute the long, inexpensive service of my cars, trucks and tractors to the use of Conoco Products exclusively! I'm for Conoco 100 per cent."

How about your tractor? Can you say that, after 14 years, it is still almost like new? Better try Conoco Products, and especially Conoco Super Motor Oil. They'll keep your farm machinery like new for years and years. Call Your Conoco Man, today!

### 4½ Minute Fudge

... by Mrs. Joseph Dorn Nicollet, Minnesota

4½ cups sugar 1 pint jar marshmallow cream  
1 large can evaporated milk (or 18 cut-up marshmallows)  
3 bars sweet German Chocolate ½ teaspoon salt  
2 pkgs. Chocolate Chips 1 cup nuts  
1 teaspoon vanilla

Boil sugar and evaporated milk exactly 4½ minutes. Add rest of ingredients. Stir until all is melted, pour into a buttered pan (8 x 16). Cut in squares. Makes 6 pounds of candy and can be cut when used.

### SHEARS FOR RECIPES!

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$2.50 pair of Wm. Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

### "Guards Against Heat and Dust!"



At Laredo, Texas, where the famous Conoco "50,000 Miles—No Wear" road test was run, an outstanding cotton farmer has found that Conoco Super Motor Oil performs spectacularly in his farm machinery. J. M. Salinas, who plants 2,400 acres of irrigated cotton, makes this report: "Conoco Super Motor Oil has provided excellent protection from the intense heat and dust conditions prevalent in this area. I have used Conoco Products exclusively for 9 years, and the lower operating cost and excellent service from my farm tractors, stationary pumping units, and trucks has convinced me that Conoco oils and lubricants are superior. I heartily recommend these outstanding products!"

### "50,000 Miles—No Wear!"



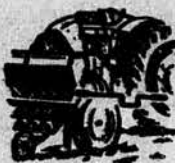
After a punishing 50,000-mile road test, with proper crankcase drains and regular care, engines lubricated with Conoco Super Motor Oil showed no wear of any consequence... in fact, an average of less than one one-thousandth of an inch on cylinders and crankshafts. AND gasoline mileage for the last 5,000 miles was actually 99.77% as good as for the first 5,000! This test proved that new Conoco Super, with OIL-PLATING, can make your cars and trucks last longer, perform better, use less gasoline and oil.

### To Haul Sick Animals



Sick animals that need to be moved can be hauled easily, says Irvin Truelove, R. 1, Hartford, Kans. Use large piece of tin or sheet metal—roll animal over on metal—drag with tractor. Useful at butchering time, too!

### Cleans Drill Quickly



To clean a grain drill quickly, place socket-set speed wrench over end of shaft that drives the feed—disconnect feed chain—run clockwise until all holes are clean. Suggested by Charlie Stevenson, R. 1, Pond Creek, Oklahoma.

### 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 Dieston Hand Saw for every idea that's printed!



CONTINENTAL OIL COMPANY