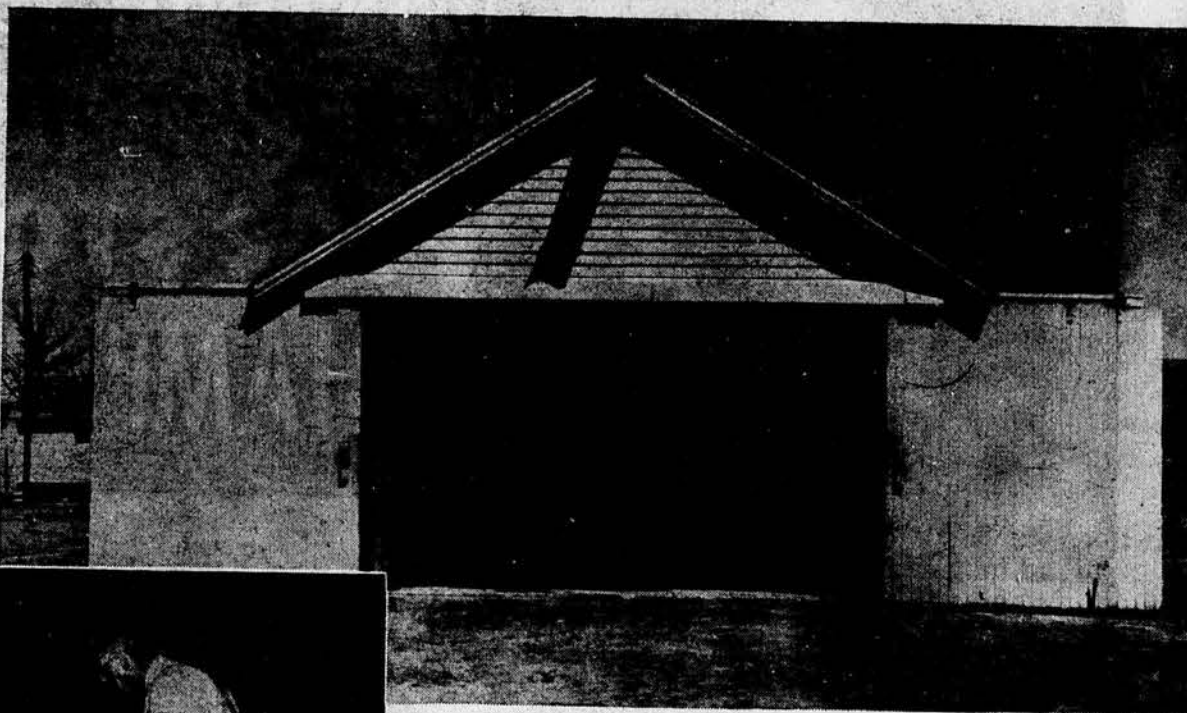


# Kansas Farmer

**RIGHT:** This wood frame farm shop, 20 by 36 feet, is located in the center of the Henry Abels farmstead, Clay county. Large rolling doors make it possible to repair and recondition farm equipment in the shop.

**BELOW:** A large, heavy-duty grinder is essential in repair and maintenance of farm machinery. Motor that drives the grinder is located so it also can provide power for drill press, milling machine and trip hammer.



## A Most Important Building!

... A surprisingly large variety of jobs are handled in this farm shop

**Y**OU must have the bug in order to successfully operate a farm shop." This is a statement made by Henry Abels, of near Clay Center. The many repairs, maintenance, and construction jobs completed on the Abels farm provide evidence the farm shop is one of the most important buildings on the farmstead.

Mr. Abels started developing his skill to use tools while enrolled as a Vocational Agriculture student in Clay Center high school. He began collecting hand tools and equipment at that time. The only other additional training he has had in shop work, since he was graduated from high school, was a course in aircraft engine mechanics. Tools and equipment are highly important, but Mr. Abels says they are useless unless you really enjoy working with them.

He has operated a 320-acre farm southwest of Clay Center since 1929. For the last 4 years he has served as instructor in farm mechanics for veterans on-the-farm trainees. There have been as [Continued on Page 33]



**USING ARC-WELDING EQUIPMENT** to cut down steel wheels for rubber tires is a specialty of Henry Abels. He has changed 45 wheels on his farm equipment from steel to rubber. The jig used to cut down the steel is made from 2 old cream-separator bowls.

- Does Your Land Stay Wet?.....Page 5
- More Beef to the Acre.....Page 6
- Flood Control Where?.....Page 8



# This Illinois Farmer Says— "I CAN ALWAYS DEPEND ON FIRESTONE OPEN CENTERS TO TAKE ME THROUGH"



"I farm 240 acres of black loam, and I've found that there are times when I need tires with extra traction to get my work done. I choose Firestone Open Centers for my farm, because they have the traction that will always take me through. In my opinion they're the best tractor tires a farmer can use."

LAWRENCE O. LARSON  
ORION, ILLINOIS

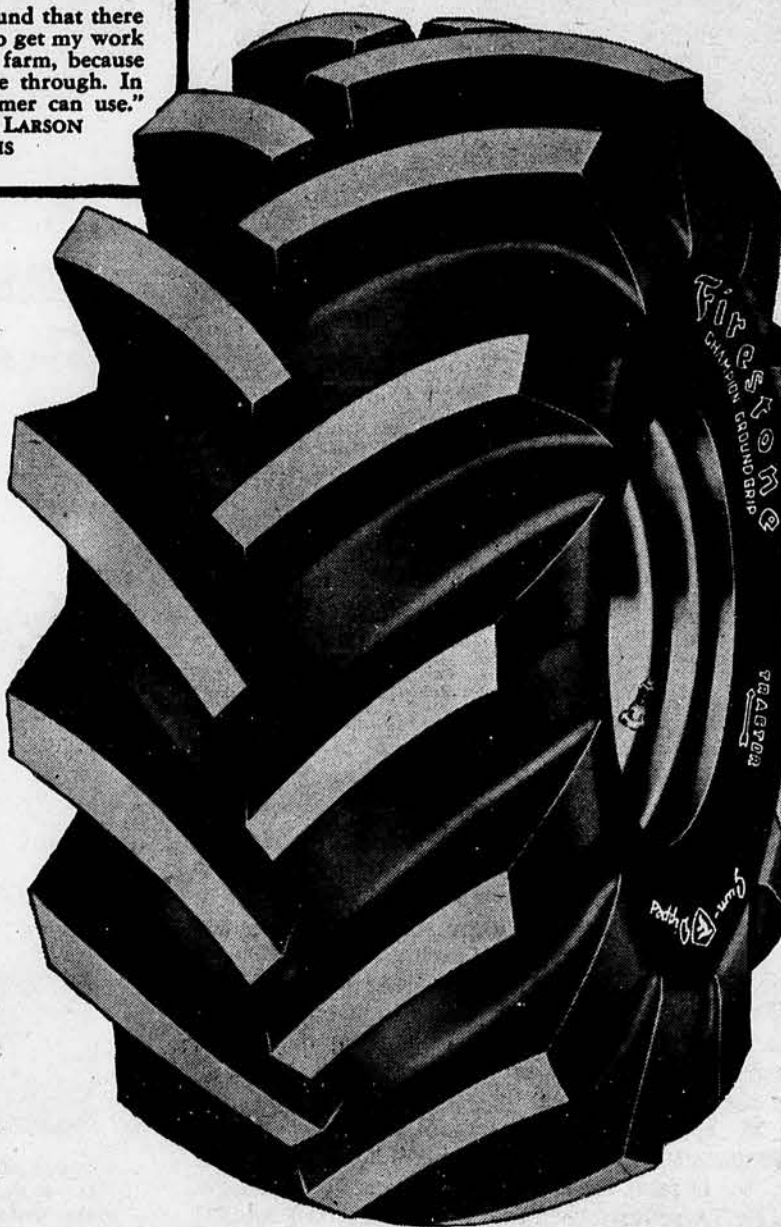
## MORE AND MORE OPEN CENTER BUYERS Choose Firestone CHAMPIONS

**T**HERE'S only one sure way to tell the difference between tractor tires, and that is to put them to work. On any job, you can soon see that the Firestone Champion Open Center outpulls all other open center tires.

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Of course if you are one of the million or more farmers who prefer a traction-center type of tire, be sure to get the only traction-center tire ever built . . . the Firestone Champion Traction Center.

Buy Firestone Champions for *your* tractor. You'll find them the best tires you can use.



### Always Buy Tires Built by FIRESTONE, Originator of the First Practical Pneumatic Tractor Tire

Enjoy the Voice of Firestone on radio or television every Monday evening over NBC

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#### Set Dates for Sheep Schools

Annual series of sheep and wool schools sponsored by Kansas State College now are underway. Other schools to be held in the near future include: Hiawatha, February 11; Topeka, February 12; Ottawa, February 13; Girard, February 14, and Eureka, February 15. Wendell Moyer, Extension animal husbandryman, will be in charge.

Lot F. Taylor, also a Kansas State College Extension animal husbandryman, will conduct these meetings: Wichita, February 25; Greensburg, February 26; Meade, February 27; Jetmore, February 28, and Great Bend, February 29.

The one-day schools are held to present new information to livestock men on managing, marketing, feeding and other aspects of sheep production. Production winners are announced and recognized at each district event.

#### Wheat Council Elects Officers

Newly-elected chairman of the recently-organized Kansas Wheat Research Advisory Council is Herb Clutter, Holcomb. Members of the council are appointed by R. I. Throckmorton, director of the Kansas Agricultural Experiment Station, to advise Kansas State College scientists on its wheat research program.

Other officers are Herman Praeger, Clifton, vice-chairman, and Cliff Skiver, Manhattan, secretary. Mr. Clutter is president of the National Association of Wheat Growers. Mr. Praeger is president of the Kansas Farm Bureau. Mr. Skiver is director of the Kansas Wheat Improvement Association.

John Patterson, agronomist with the Spencer Chemical Company, was named to the council's executive committee.

#### State Ag Council Elects Officers

Newly-elected officers of the agricultural council of the Kansas State Chamber of Commerce include Herb Clutter, Garden City, chairman; Donald Lunt, Iuka; Emil Heck, Lawrence; Harold Harper, McDonald; Lawrence Blythe, White City, and Dr. H. H. Myers, head of agronomy department, Kansas State College.

At a recent meeting in Topeka, the council urged increased production on Kansas farms, and called attention to the need for more manpower and farm equipment to attain that higher goal. Other subjects discussed included the need for extensive research on various farm problems, and additional facilities to do that job.

#### Rural Life Groups Meet

Delegates of county rural life organizations will be in Manhattan March 6 to 8, for the annual Kansas Rural Life Association conference. Velma McGaugh, assistant state 4-H leader, states groups from most of the 34 county associations plan to attend.

Events scheduled include a get-acquainted party and a meeting of district directors the first day, and entertainment by county groups including barber shop quartets, Schottische dance groups and vocal trios.

#### KANSAS FARMER

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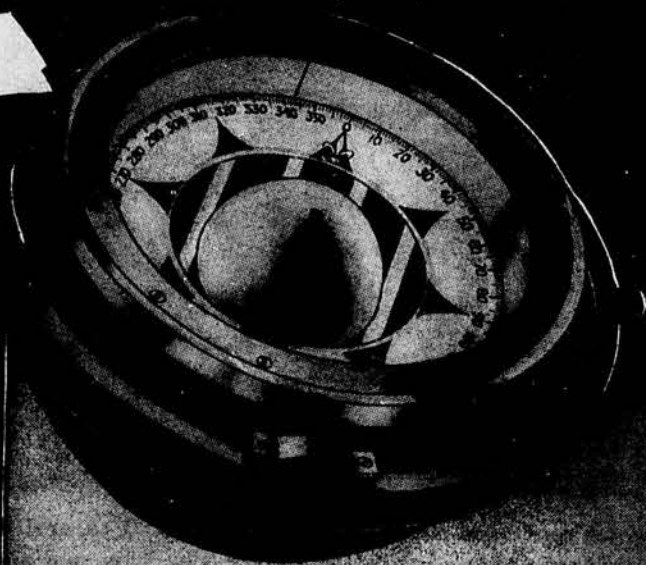
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# Steel

NAVIGATOR OF INDUSTRIAL  
MIGRATION!



## BLOOMING THE INGOTS

Steel, like dough for bread, must be kneaded, rolled and worked from ingots weighing several tons down to many shapes and sizes. First in the series of such processes is the giant blooming mill of which Sheffield has installed the most modern type.

SINCE Colonial times industry has been on the move, migrating from the Northeast—West, Southwest—with iron and steel providing the means and in many cases, the motive.

production to a wide diversity of the particular kinds of steel products most needed in the industrial growth of the region.

West of the Mississippi and East of the Rockies, Sheffield Steel and its forebearer have successfully navigated the uncharted course of steel production since 1888. First, and still the only fully integrated steel mill operation in Mid-America, Sheffield continues to devote an ever-expanding

Within the last ten years, the industrial growth of the region has shattered all records. So, too, has Sheffield Steel in expanding some of its facilities as much as  $3\frac{1}{2}$  times, and marking up an overall capacity increase, at its three plants, of over 100% as compared to 25% for the steel industry as a whole.



## Sheffield Steel is on Freedom's First Line of Defense—The Farm

From food comes the vital energy to produce and man the weapons of defense. Sheffield steel fence, nails, staples, bolts, bale ties, etc., are important farm tools in food production.



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**SCRAP**  
MEANS . . . . .

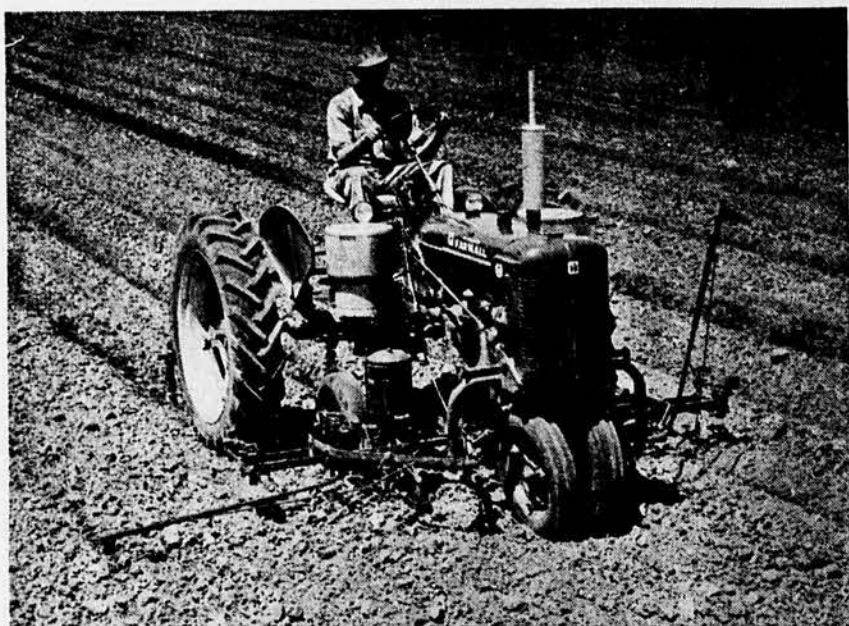
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More Money In Your Pocket!

GET YOURS OFF TO  
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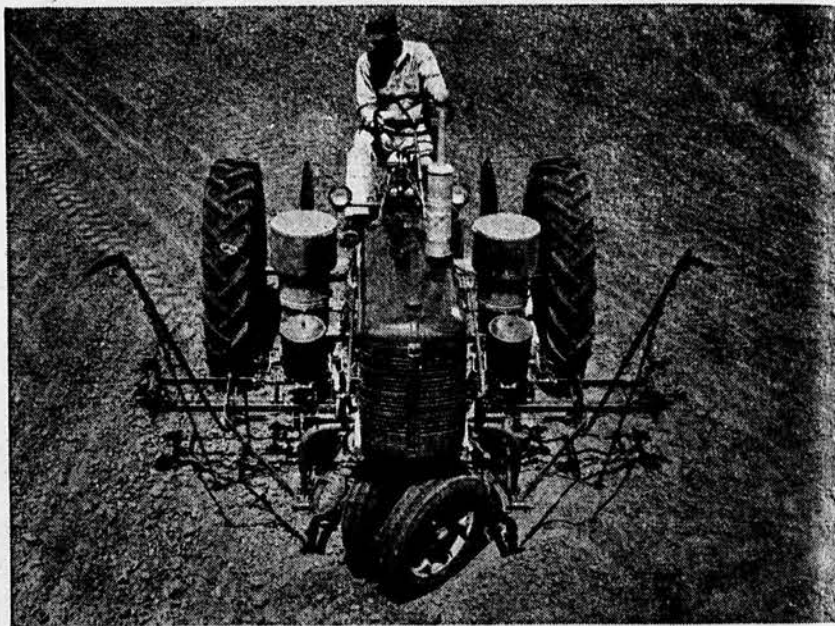


## PLANT FOR BIGGER YIELDS

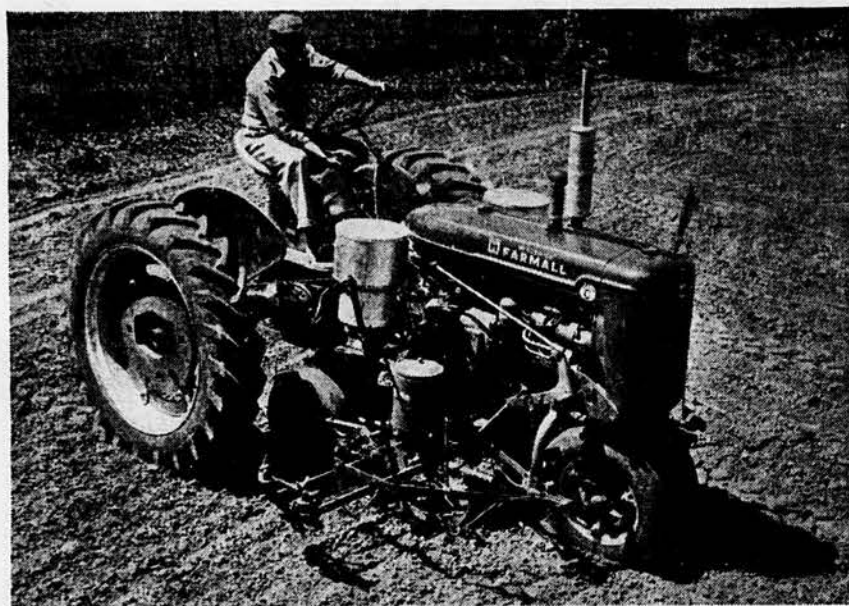
# with a McCormick Farmall<sup>®</sup> and fertility-level planter



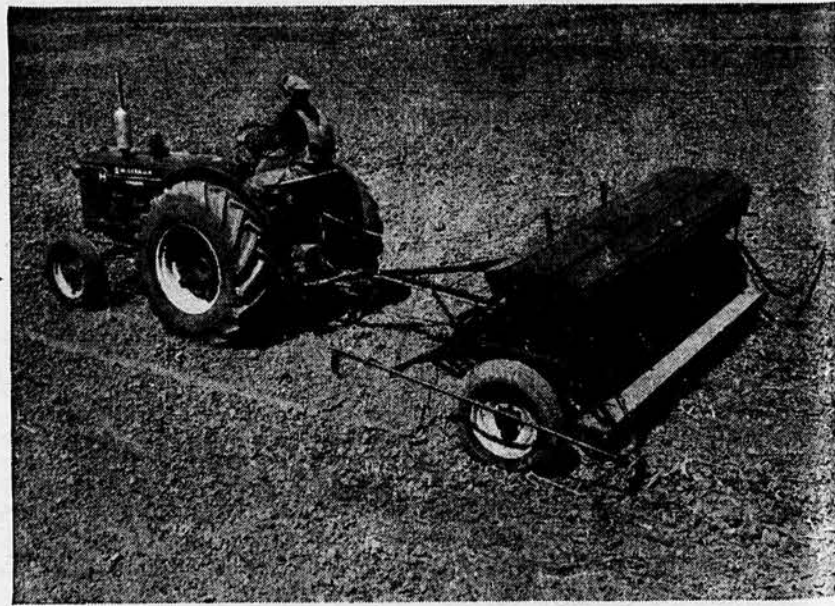
**You match corn stand to soil fertility**—check, hill-drop, or drill—with this McCormick forward-mounted corn planter. Clutchless seed plate drive lets you plant the same number of kernels in each hill, or vary the planting rate per hill in percentages of 1's and 2's, 2's and 3's, 3's and 4's, or 4's and 5's. This helps you to fit the thickness of the stand to available plant food for maximum yield from every acre.



**You plant accurately at 4 or 5 mph.** with this clutchless planter. High-speed hoppers and boots meter out the right number of kernels and place them in compact, evenly-spaced hills for speedy cross cultivation. Forward-mounted design lets you follow the marker track and watch the planting job without turning your head. Double-disc brakes make sharp, second-saving turns easy. You can plant all types of hybrid corn and many other crops.

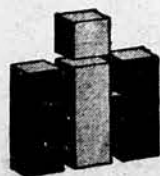


**You save time and muscle work.** A finger touch on the Farmall hydraulic touch control lever raises or lowers this front-mounted planter. Seed and fertilizer hopper feeds automatically stop or start feeding as the planter is raised or lowered. It takes only a few minutes to remove hoppers or to change seed plates. This planter can be quickly mounted or dismounted without heavy lifting. Fertilizer units also work with your cultivator.



**Do three jobs at once with a McCormick drill.** As shown above, you can sow grass seed with a small-grain nurse crop, and fertilize them both in one trip with a McCormick fertilizer-grain drill. These low-wheel drills seed accurately at speeds up to 5 mph. They can be had with dependable fluted or double-run feeds. A choice of furrow openers—including deep and semi-deep types—and extra equipment adapt these drills to your needs *exactly*.

See your IH dealer for more facts about fast-working, accurate-planting McCormick grain drills and planters the next time you're in town!

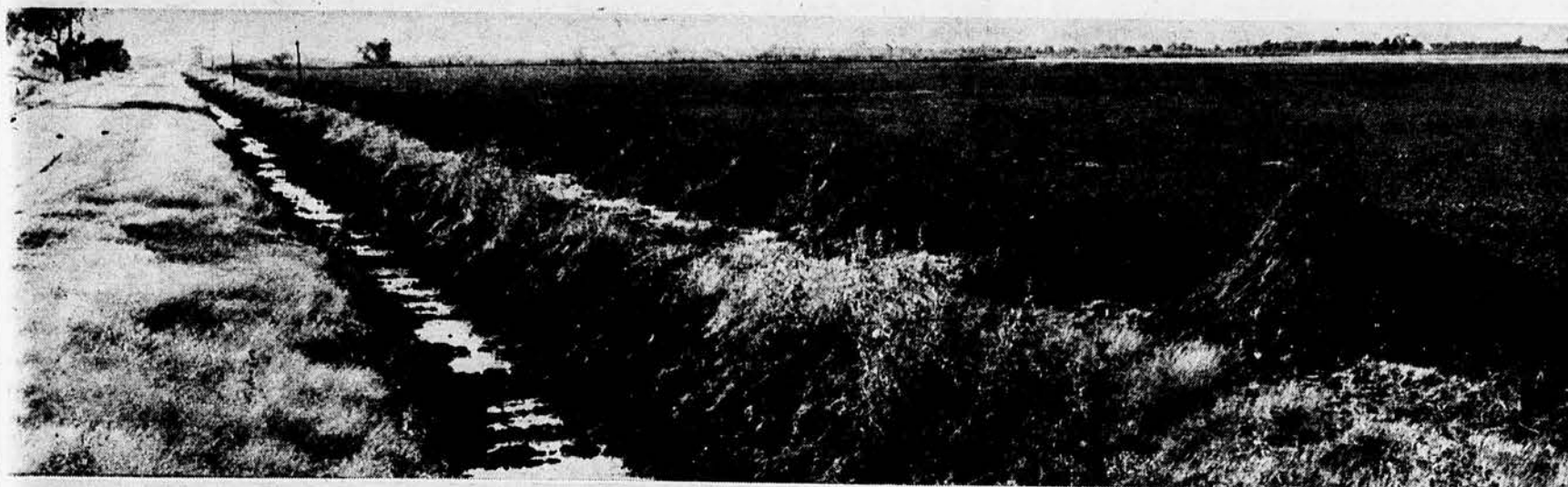


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## Does Your Land Stay Wet Too Long?

... By eliminating standing water in low areas, drainage system is bringing "lost" land back into production in Grant township, Reno county

ACROSS ROAD from each other. Upper picture is field where drainage system is complete, with laterals installed and seedbed prepared for planting. Lower picture is of pasture undrained that is producing only grasses of low quality but is scheduled for improvement. (Photos by Soil Conservation Service)

A GROUP of farmers in Grant township, Reno county, may have found the answer to a problem that bothers many areas in Kansas. That problem is drainage. Especially, drainage of large areas where it becomes necessary to get the co-operation of many farm operators.

In Reno county the farms involved are in nearly level bottom lands of Cow creek valley. An estimated 150,000 acres along Cow creek need drainage.

"We first attempted to organize a drainage district in the whole area that should be served," says Fred Strickler, a dairy farmer in the district. "We soon found this attempt would fail so we dropped that idea."

"Then a group canvassed only Grant township and found there were enough who wanted the drainage badly enough to provide necessary rights-of-way, and whose land laid so drains could be built without complications. So the district was organized on a township basis."

Organized 2 years ago, the district originally included only 3,840 acres. But here is the payoff. Success of the project has been so encouraging more farmers want into the district. Already the district has been enlarged to include an extra 1,280 acres and several more such additions are in prospect.

Cow creek is notorious as a land spoiler. It runs thru 2 other counties, besides the northern part of Reno county, in the 50 miles from its source to where it enters the Arkansas river at Hutchinson.

Its channel is small and so are tributary channels. Some of the side streams lose their channels entirely as they emerge from higher lands, and the water they carry just spreads out over everything.

Most of the valley is subject to frequent flooding. Fred Strickler says "In 1947 my land was flooded 7 times in 11 months." Three to 7 floods a year are not uncommon.

High water stages pass quickly, but floodwaters remain on the nearly level fields and there is no natural way for it to escape.

A high water table gives added troubles from below. Much of the land is too wet for crops or the better grasses and also brings alkali salts to the surface. The white areas range up to 30 or 40 feet across now and are growing.

"We can't keep Cow creek and its tributaries from flooding," says Mr. Strickler. "But we can and did do something about getting rid of the water after the creeks go down."

Start of the drainage district came when Reno County Soil Conservation Service technicians, in trying to work out plans for these bottom-land farmers, found not much could be done to conserve the bottom land unless drainage outlets could be provided. This meant water from some farms would have to be taken across other farms.

The soil conservation district's board of supervisors—C. V. Warner, of Arlington; H. L. Brownlee, of Sylvia; Walter Pierce, of Hutchinson, and Floyd Goodenough and H. P. Graber, of Pretty Prairie—encouraged organization of the drainage district. Farmers formed a committee for the purpose and SCS technicians made preliminary investigations and plans.

Actual organization of the drainage district was taken under the Kansas law that permits county commissioners to act, rather than under the law where organization is handled thru the district court.

"The county commissioners have co-operated with the drainage [Continued on Page 34]



THIS LATERAL is one of many built in district to handle both surface and subsurface water. Water seen in channel is subsurface water being drained off, thus lowering water table to desirable level.



CHAIRMAN OF GRANT township drainage board, Fred Strickler, left, confers with R. G. Cameron, center, of Soil Conservation Service, and Howard Carey, treasurer of drainage board.



## More Beef to the Acre

### Flint Hills Ranchers Increase Production Thru Better Management

**M**ORE pounds of beef from the Flint Hills? Yes, thru better management practices cattlemen in the Flint Hills area are showing the way to greater beef-per-acre production. They are doing it with more intensive cattle programs like deferred feeding. They are doing it by converting cropland (some good, some poor) over to producing quality roughage and pasture for beef.

In *Kansas Farmer* for April 21, we pointed out that farmers in Southeast Kansas are beginning to plow up old pastures, fertilize and reseed with grass and legume mixtures. The result is more beef, more milk from each acre.

But any suggestion to use the plow in the bluestem pastures of the Flint Hills would bring a quick attack from agronomists and grass specialists. And ranchers, too, would take issue with the suggestion. Actually, too many acres of bluestem pasture already have been plowed up in the Flint Hills. What to do with some of those acreages provides special problems today.

#### Bluestem Best Forage

In the steep or rocky areas of the Flint Hills the cover of bluestem grass is the best forage that area is capable of supporting. There is no reason as yet to supplant these grasses with new varieties. Rather than plowing up more grass, most discussions about the bluestem area today center around stocking rates, burning practices, lease prices, prices and quality of cattle.

Last year talk of lease prices and cattle prices were out in front with a big shout. Even younger cattlemen can recall lease prices of \$10 a head and less. Last year leasing started at about \$17 a head. In some areas it went up to \$20 and \$25 a head just for summer pasture. And we even heard of some pasture that went for \$30.

That sounds powerfully high, but look at beef prices. With butcher steers on the Kansas City market hitting \$36 and \$37 maybe \$30 an acre wasn't too much to pay for 200 pounds or more of gain. Stock calves on the same market were as high as \$43 and we saw stock calves that cost their owners more than that. We heard reports, too, that one herd of calves had sold 6 or 7 times for fall delivery before all the calves were born. Last price was supposed to have been \$50.

#### Lespedeza Gets a Trial

But what is new in the Flint Hills? Lespedeza seeded into bluestem is one thing. A few years ago *Kansas Farmer* reported how lespedeza was being seeded into thousand of acres of bluestem pasture. How is it doing? Some ranchers say it does help cattle to get fatter when lespedeza appears with the grass. But there are other considerations. Grass men are afraid the lespedeza will influence overgrazing, kill out bluestem.

In 1949 it looked like that was beginning to happen. It was a wet summer. Lespedeza grew rapidly and cattle went for it. At the same time they clipped bluestem extremely short close to the lespedeza. It looked bad for the bluestem. But the next year a dry spring came along. Lespedeza took a back seat and bluestem stepped out in front again.

It is going to take more time to be sure what lespedeza will do when mixed into bluestem pastures. But using lespedeza as a separate pasture crop for a special beef program in the Flint Hills is another matter. George Whitcomb and sons, Warren and George H., western Chase county, make an entirely different use of lespedeza. Seeded with oats as a cover crop, they use lespedeza for finishing pasture.

The Whitcomb operations provide one example of how production can be increased in the Flint Hills where cropland is available alongside the bluestem. And they are doing an excellent job with their own application of the deferred feeding system.

Starting with 400- to 450-pound calves in September, the Whitcombs utilize cool season grasses like brome and intermediate wheat grass, later move over to Kentucky 31 fescue. Still later they begin feeding alfalfa-brome silage. Time when silage feeding begins depends on condition of those tame grasses, needs of the cattle and

weather. Then sometime in December, again when conditions demand it, they begin feeding a protein concentrate. Kind they feed depends on price. And in winter about 3 pounds of grain a day goes with roughage and concentrate.

Then about April 1, brome grass is ready for more grazing. Spring was late last year. They didn't get onto brome pasture until April 13. While running on brome, calves have access to native bluestem, too. They pick up a little dry grass even while on brome. Mr. Whitcomb says he never has seen cattle that don't like a little dry stuff along with green.

In June these calves begin to spend more time on bluestem than on brome. That is when bluestem is high in protein. The calves seem to know what they want. They move over on their own accord. Then when bluestem begins to go down in protein toward the end of July or the first of August, the Whitcombs turn into lespedeza. By this time lespedeza has had time to put on growth following oats harvest.

Most deferred steers move from pasture to dry lot about August 1. But the Whitcomb steers move to lespedeza. The calves show a remarkable bloom after a month or so on lespedeza in August and will give the short-feds a run for the money without any final grain feeding.

#### How It Works Out

Here is how it works out: Whitcombs get at least 400 pounds of gain in a year with about 360 pounds of grain a head. That is a small amount of grain. On the standard deferred program a gain of 550 to 600 pounds is good, but it takes from 1,500 to 2,000 pounds of grain for both wintering and final feeding. Or, put it another way, 7 or 8 bushels of grain to 30 or 35 bushels.

Last winter 138 head of heifers and steer calves on the Whitcomb farm showed an average of 208 pounds of gain. They had 5 more months of good grazing on brome grass, bluestem and lespedeza to put on another 200 pounds. That should be easy enough.

About the lespedeza, Mr. Whitcomb says he has been growing it since 1933. And in that 18-year period it failed only once. That was in 1936. Last year Warren and George H. figured about 100 acres of lespedeza seeded with oats to fatten cattle in August. Sheep used that pasture, too.

Bluestem land once broken for grain production is being put to good use by the Whitcombs producing pasture and winter roughage. It adds up to increased beef production.

About the bluestem, the Whitcombs don't burn. They don't need to burn. Using bluestem the way they do makes it unnecessary. This native grass has had a good chance to get a running start before the calves get to it. Then it can be grazed evenly for a short period without danger of hurting the grass. Maybe that's the best way to treat bluestem, if you have supplementary pastures available.

A. L. Broderick, Fall River, is doing an excellent job, too, with heavy beef-per-acre production on old cropland. And bluestem pastures are being



**PASTURE IN MARCH:** That is the normal month for grazing to begin anew on the A. L. Broderick field of brome. This field was stocked with about 2 head to the acre last spring while waiting for warm weather to give the grass a chance. More cattle are needed later to keep up with brome.



**CALVES REPLACE COWS:** Max Moore, Woodson county, shows deferred calves that were turned to brome pasture early in April. And spring was late last year. These are part of the calves replacing a cow herd on the George Hill farm.

worked into the production program. Again it is deferred system of feeding with brome grass carrying much of the load. He has about 600 acres of brome in these broken acreages and says it is far better than trying to grow grain.

You can see why he feels that way when you analyze his program and find he gets up to 400 pounds of beef an acre where the harvest formerly yielded maybe 20 or 25 bushels of wheat. Chances are the average was closer to 15 bushels.

Wintering about 800 head of calves, Mr. Broderick doesn't need all his brome for spring pasture. Usually he starts pasturing brome lightly in March, then adds more calves as the grass gains in growth. With 200 pounds of ammonium nitrate an acre the brome will carry up to 3 head an acre, he says.

Native grass gets a good headstart while the calves are on brome. Then when June rolls around he allows about 2½ acres for each head. Again that doesn't require burning, calves do well on the grass, keep it clean without danger of hurting it.

Some of the brome is left for seed. Then these acreages provide good winter pasture. He feeds on these brome pastures according to the needs of his cattle, using hay, cake and up to 2 or 3 pounds of grain in midwinter. But it takes a surprisingly small amount of hay, cake and grain because the cattle eat a lot of brome even in winter. Being extremely conservative in figuring winter gains, Mr. Broderick points out he can get as much as 100

pounds gain from brome alone during the cold months. He gets pasture gains about 11 months out of the year.

Along with high cattle prices you can hear talk that more cattlemen are moving over to cow herds. But at the same time you hear more cattle are being grazed each year on a lease basis. Large grass acreages lend themselves to absentee ownership. And champions of deferred feeding say much of the land is too valuable for cow herds. Deferred men have claimed they can buy 400-pound calves and put 450 pounds of gain on them in one year with 60 per cent of the roughage that is required to produce a 450-pound calf thru the cow-herd route.

Deferred feeders also point out they must pay the same price for leased pastures as other cattlemen. Deferred calves come off of pasture about August 1. They get about 3 months pasture where other cattle are on pasture 5 or 5½ months.

#### Here's an Idea

Walter Porter, Morris county, had 250 deferred calves last winter. He leases bluestem pasture for these cattle but came off of pasture August 1. He seriously considered buying plain cattle to put on those pastures after the deferred steers come off. That might be practical for the deferred feeders who lease bluestem.

Pasture management isn't too difficult on the large leased acreages. But men like John Poole, Geary county, with a large registered herd must be more cautious in use of pasture. Cow herd owners can't sell off should pastures get short.

To conserve his pastures, Mr. Poole rotates the load according to capacity. When one patch of grass needs help it is grazed lightly for a season or maybe 2 seasons to rest the grass and give it a chance to come back.

Altho you hear talk about more cow herds, George Hill, Woodson county, has moved the other direction even tho much of his acreage is in native grass. This ground is too expensive for cow herds, he points out. Ranches in that area have sold for as much as \$60 or \$70 an acre. Deferred feeding, or a calf wintering program, will return more pounds of beef an acre.

Mr. Hill puts it another way, too. He shows you in black and white that the investment is greater for cow herds than it is for calves. In normal times, he points out, a cow is worth about \$100. A herd of 100 cows would make a total investment of \$10,000. With a 100 per cent calf crop that herd of cows would produce about 40,000 pounds of beef a year. For the same

(Continued on Page 58)



**UP IN SMOKE:** Pasture burning is a controversial subject, lots of it still is being done. George Hill, Woodson county, burns late because it leaves the ground open for a shorter period. It also helps control brush thru which fire is passing in this photo.



# Kansas Farmer

## News and Comment

### Fun and Facts for All

**D**ON'T miss Farm and Home Week at Kansas State College, Manhattan, if you can possibly be there. It will be held February 4 to 8, every day filled with many new things you will want to know, leaving plenty of room for questions you wish to ask.

Dairy program spreads over February 4 to 6; Kansas Inter-breed Council and state breed associations meet February 4 and 5; February 5 is poultry day; Kansas Hybrids Association and beekeepers meet February 6; Kansas Crop Improvement Association, February 7; agricultural engineering, February 7 and 8; February 7 is livestock day. Four full days will be devoted to home economics programs. One highlight of the women's program will be a spring fashion show. Special evening programs will provide fun and facts for all.

This will be the 84th time for Kansas State College to play host to Kansas farm families from all over the state. And you can be sure the whole program will be better than ever.

Remember, you own part of Kansas State College. It is operated on your tax money to be of help to you in your important business of farming. And you can take pride in the fact your Kansas State College is one of the most outstanding agricultural colleges in the entire United States. Business organizations and colleges across the Nation have great respect for the findings of your Kansas State College.

Your attendance at Farm and Home Week not only will be interesting to you, but will be a source of inspiration to the fine folks who are working for you on the staff of the college.

### You Can Help

**Y**OU and 131,000 other Kansas farmers were well-represented at the Kansas State Board of Agriculture annual meeting in Topeka last month. One of the most important meetings of the year, it brought together official delegates from every recognized farm organization in Kansas.

These delegates of yours said: "We feel the national budget should be drastically cut, that nonessential national expenditures should be eliminated." If you agree, you can help by telling your Congressmen so. Your taxes will not be reduced unless you demand it in no uncertain terms!

Your delegates said: "The disregard of property rights of some hunters has resulted in considerable loss of livestock in this state. We believe legislation should be had tightening requirements for obtaining permission to hunt,

fish and trap on the premises of another, and increasing the penalty for unlawful trespass." You and your neighbors can get results on this point by telling members of your legislature what you want.

Your delegates said: "We urge that Congress provide adequate funds for agricultural research to the U. S. Department of Agriculture, and to universities and Land-Grant colleges." If you want to find new and more efficient ways of doing farm work, if you want better varieties of grain, improved livestock, higher-quality products, lower overhead expenses, higher net profit you can be sure of getting them thru more farm research. If you believe in supporting farm research, tell your Congressmen so.

Too often resolutions are written, read and forgotten. Sometimes they should be forgotten. But your delegates to the Board of Agriculture annual meeting, representing 131,000 Kansas farmers, made good resolutions based on their experience in actual everyday farming. If you believe in these resolutions, as reported to you in the January 19, 1952, issue of *Kansas Farmer*, and by your delegates in your local meetings, you can follow-thru and help make them effective by expressing your opinions in the right places.

### New Dairy Column (See Page 9)

**D**AIRYMEN especially, and all who feed silage, will be interested in a new column starting this issue of *Kansas Farmer*. It is written by Dwight E. Hull who, with his sons, operates a dairy near El Dorado. What he writes will be from firsthand experience, ideas you can use on your farm. That is *Kansas Farmer's* policy—to bring you information by and about practical farm folks.

Mr. Hull was graduated from Kansas State College in 1917, operated a small dairy until 1924, when fire forced him out. He became county agent in Jewell county from the winter of 1924 to 1926. Resigned there to become first county agent in Saline county where he worked until 1930. He established a registered Ayrshire herd in the fall of 1942, on his present farm. In addition he has been teaching a class of veterans in on-the-farm training the last 3 years. He has been state president of the Ayrshire Breeders Association 4 years.

All breeds will get attention in this column, as Mr. Hull will write about interesting, helpful things wherever he finds them. He stopped in *Kansas Farmer* office recently to talk about a trip he will take visiting dairy herds over the country. In his column he will tell you what he finds.

### Busy All Year

**K**ANSAS fairs are going institutions. That fact came out in the recent meeting of fair executives in Topeka. E. E. Erhart, secretary-treasurer of the Kansas Fairs Association, said only 3 fairs were stopped last year by bad weather. Net profits for the 79 fairs his association represents were down from the 2 previous years but still totaled \$399,674. Physical assets of the fairs increased over the 2 previous years and are now worth \$4,266,481. Total attendance in 1951 was 1,212,221.

Useful as fair grounds are, perhaps they can be even more valuable to their communities. This thought occurs after hearing a statement by Perry Lambert, Hiawatha, retiring president of the Kansas State Fair Board. He brought out an interesting angle on the State Fair's impact on Kansas agriculture.

In the fair grounds of 272 acres, plus build-



"No matter how bad the weather happens to be, it's better than none."

"To keep young, associate with young people. To get old in a hurry try keeping up with them."

"The most eloquent lines are not written or spoken, they are worn on faces you can trust."

"Remember, when the Indians were running this country there were no taxes, no debt and the women did all the work." Now look at things!

"Worry is like a rocking chair. It will give you something to do, but won't get you anywhere."

Said the little girl, "We get our parents when they are so old it is very hard to change their habits."

ings, Kansas has a plant worth more than 2 million dollars with annual expenditures of \$350,000. But here is the new angle. Most folks think of the State Fair grounds and plant as useful only one week each year. Actually, they offer year-around service to the state.

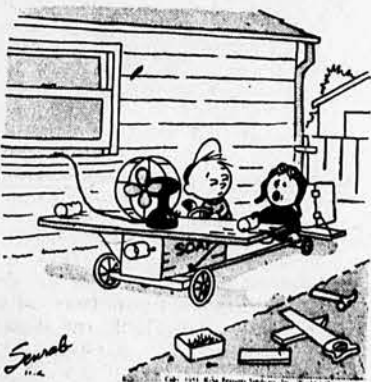
For example, the Kansas Hereford Association state office now is located there in the administration building. The purebred sales program gives all breeds a centrally located site and proper facilities for purebred sales, which now average one a week thru the year. A tractor and machinery school is held on the grounds each year, as well as leaders training schools for 4-H Club leaders. The facilities also are made available to church and service groups thruout the state during the year.

Of course, small fairs do not have facilities equal to the state fair. But they no doubt can be used many weeks during the year.

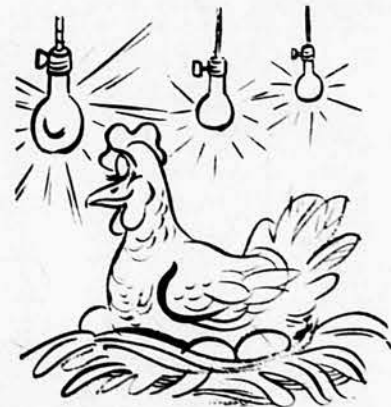
### More to Feed

**H**OW many people are there in the United States? Uncle Sam's Census Bureau now reports our total population at 155,575,000 persons. This is 219,000 more than the estimated population of November 1, 1951, and 4,443,000 more than when counted and reported in the April 1, 1950, Census.

Population growth between 1940 and 1950 amounted to 19 million, compared to an increase of only 9 million in the 10 years 1930 to 1940. At the present rate of gain we could have a population increase of around 22 million by 1960. So we can see population gain is speeding up. This means more people to feed and a growing demand for farm products.



"Wait a minute... suppose it works!"



"My gracious, the days got awful long all of a sudden."



# ANNOUNCING!



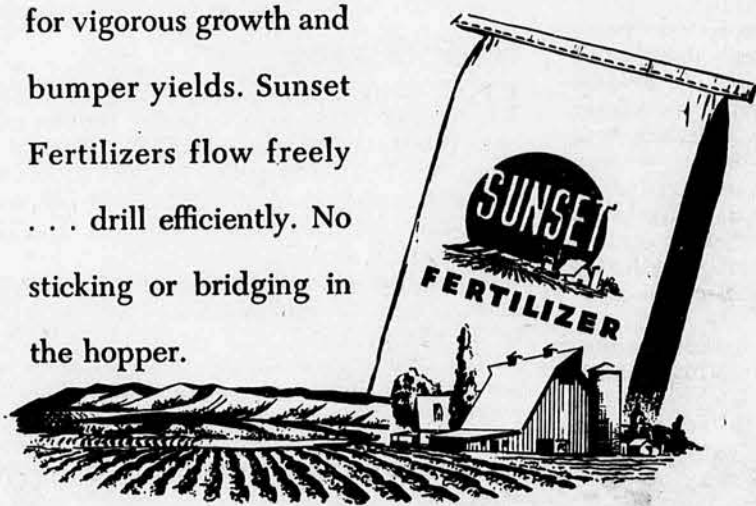
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Act now! Get Sunset Fertilizer for extra bushels . . . more milk . . . more beef . . . extra cash from your

#### THESE ANALYSES AVAILABLE

3-9-18	0-20-0
4-12-4	8-24-8
4-16-0	10-20-0
5-10-5	10-20-10
8-8-8	also

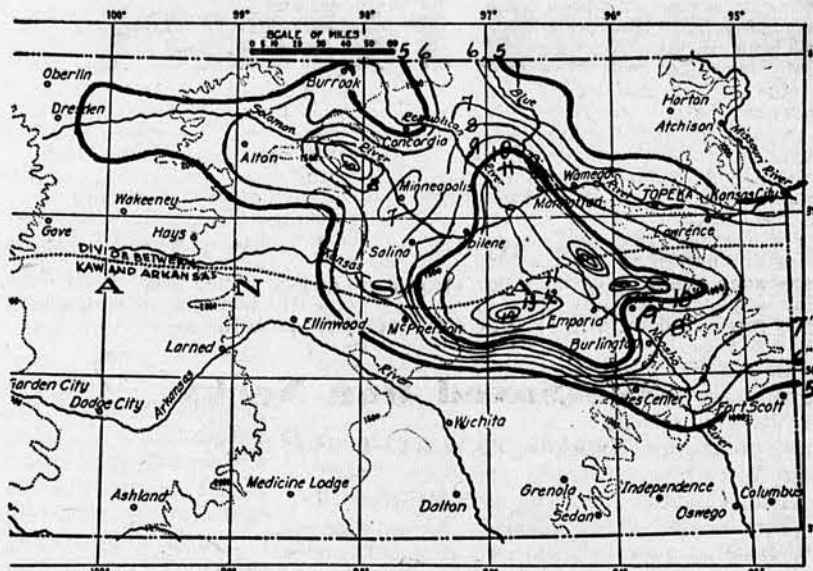
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## Flood Control Where?

... Here is another studied opinion you will wish to read regardless of which side of the argument you take



THIS RAINFALL MAP for flood period of last July in Kansas shows center of the final storm was south of Kaw valley. Had it been slightly north and east it still would have been below any of the proposed reservoirs on Kaw tributaries, says Professor J. O. Jones, hydraulics engineer, University of Kansas.

WHEN we talk about flood control we ought to define whether we mean flood control for all of Kansas, or flood control for the valleys of main streams. That thought is offered by J. O. Jones, professor of hydraulics, University of Kansas.

In opposing the Pick-Sloan or any other large-reservoir plan of flood control, Professor Jones points out that: "Large dams near the outlets of huge drainage areas do not offer protection to those portions of the basin upstream from the reservoir. Tuttle Creek dam will not protect Marysville, Blue Rapids, or Irving. Perry dam will not protect Valley Falls or any part of the Delaware valley upstream. Strawn dam will not protect Emporia or Strong City."

Then, he adds, "Nature has a disconcerting way of frustrating man's attempts to thwart her." One claim of Army engineers is that their reservoirs would be controlled by engineers stationed permanently at the dam sites.

"Now," says Professor Jones, "suppose Tuttle Creek dam had been finished before the rains began in April, 1951. The rainfall in May was more than 65 per cent above average and June was the wettest month in the history of the Weather Bureau in Kansas. Discharge of the Blue river at Randolph in May was 316,900 acre-feet, and in June was 1,512,000 acre-feet, a total for the 2 months being somewhat less than the capacity of the proposed reservoir."

#### Would Have Been Full

"It is almost certain," he says, "that the reservoir, had it been in existence, would have been almost full by the end of June. The operator, unable to foresee that a storm of immense proportions would occur in the first half of July would, without doubt, have stored the waters of the Blue since the Kaw was at a high stage almost continuously thru May and June."

"An additional 235,000 acre-feet was the yield of the Blue in the first 10 days of July. Total discharge of the Blue from May 1 to July 10, inclusive, was 2,064,000 acre-feet. Total capacity of the reservoir is to be 2,095,000 acre-feet. If the reservoir had been within 30,000 acre-feet of being full on July 10, it would have filled in slightly more than one-half day on July 11, and the runoff for the remainder of the period

would have gone uncontrolled over the spillway. After the flood, it would have been necessary to run the Blue bank-full below the dam for 60 days to draw the reservoir down in case of another flood. Would nature wait for that to happen? Remember there were 2 floods on the Kaw within 2 weeks, one of them nearly as great as the 1903 flood and the other much greater."

**Editor's Note:** Since Professor Jones made this study of the Blue, Army engineers also restudied the river and now recommend that Tuttle Creek be a dry dam. A dry dam is one that allows all water coming into the reservoir at all times to flow thru the dam at a fixed rate. During flood periods there would be temporary backing up in the reservoir.

Professor Jones uses Kanopolis reservoir to prove his point. Several minor floods were prevented during May and June when engineers stored the water. When the reservoir was nearly full a severe storm occurred just below the dam, with its storm center about 75

#### Renewing Furniture

It takes little material and a little spare time to make old chairs and furniture look new. The 12-page booklet, "How to Upholster It Yourself," is generously illustrated and the instructions easily followed. Write to Home Editor, Kansas Farmer, Topeka, for your free copy of the pamphlet.

miles southeast of the dam. Had the storm been above the dam the reservoir would have been useless for flood control, he claims.

"It is not difficult to believe that a storm more severe than that of last summer is bound to occur," says Professor Jones, "but no one can predict just where its center will be. In the light of such facts, isn't it logical to assume that even tho there are large storage reservoirs near the mouth of the main tributaries of the large streams, there still may be very destructive floods because of intense storms with centers in the valleys below the outlet of the tributaries?"

(Continued on Page 9)

#### First Thing to Do

Your first step in rehabilitating flood-damaged land in the Kaw Valley is to contact your local PMA office. PMA will pay up to 80 per cent of the cost of some expenses needed to bring land back into production and flat amounts on some others, such as grass and legume seeds. Such payments will be made, however, only if your farm is surveyed by PMA to determine amount and kind of damage and estimate made of cost to rehabilitate. SCS is co-operating with PMA to provide technical help on specific phases of the rehabilitation program.



According to Professor Jones, there are 10,000 square miles of area in the Kaw valley alone below any of the proposed reservoir sites, and in which severe storms might center, with floods.

"Small local floods, on the other hand, are comparatively easy to control," says Professor Jones, "and at a reasonable cost compared to big reservoirs. A dry dam built in northwestern Shawnee county is successfully protecting the bottom land of 26 farmers and at a construction cost of \$2,762. Pasture land upstream from the dam is not destroyed because the inundation period is short, yet water is detained long enough to permit runoff below to get out of the way.

"Fortunately," says Professor Jones, "there are hundreds of sites like this where such dams may be built and which will serve not only those immediately interested, but will be beneficial

to the entire drainage area below. One thousand such dams would cost less than 7 per cent of the estimated cost of one Tuttle Creek dam. Moreover, the benefits of flood control would be carried far up the valleys instead of being limited to the lower areas of the main river valleys."

Professor Jones thinks if thoro soil conservation and water control were practiced on farms, plus hundreds of dry dams in creeks and in draws in the various watersheds, then cities along the lower end of main streams could be protected by dikes, channel improvements and other engineering improvements. Some farm homes and some industries might have to be moved back in some areas, he admits. However, the over-all cost would be less and great areas of rich valley land would not be permanently lost due to reservoir inundation, he believes.

## We Saved Our Necks With Alfalfa Silage

By DWIGHT E. HULL

PROBABLY more dairymen are feeling the pinch of poor-quality roughage this winter than for several years. Some do not have any alfalfa hay, and a great deal of the alfalfa hay available is of very poor quality.

We just barely saved our necks by putting our first crop of alfalfa into a trench silo. This is the second year we have made alfalfa ensilage. You bet, we like it! Don't think we ever will be without it again. For one thing, we saved our entire crop of first-cutting alfalfa. We have enough alfalfa silage from that first cutting to last us until sweet clover and brome grass pasture come on in spring.

There is lots of talk now, especially in dairy circles, about grass silage. Some dairymen are still skeptical. They are afraid it won't keep, or cows won't eat it. Well, we will admit we still have quite a bit to learn about grass silage. But we went on the theory the best way to learn was to jump in and get our feet wet. So last year we did that very thing. We built another trench silo so we would have 2 silos; one for grass and one for corn.

By the way, we hired a bulldozer to dig this trench. He built it in 6 hours at \$9 per hour, which made the silo cost us \$54. We figured we put more than 100 tons in it and it was only about two-thirds full. We hired a field cutter and cut the alfalfa standing and dumped it into the trench. We scattered about 25 pounds of dehydrated molasses on each load.

We feed corn silage in the morning and alfalfa silage in the evening. Cows eat the alfalfa silage satisfactorily. However, we weren't too satisfied with

it. The odor was a little too strong and it seemed too dark in color. We took a sample to the county agent and to the dairy department at Kansas State College. They all pronounced it good silage and we never had better production.

However, this year after much reading and research we decided to try the wilt method. That is you mow the alfalfa and let it wilt for an hour or so, then by use of the pickup attachment on the field cutter, pick it up and cut it, and dump it into the silo without preservatives. We think we have a little better alfalfa silage this year. Not so dark and not such a putrid odor. Cows clean it up in a hurry, while last year they were much slower in cleaning up what we gave them. We feel it doesn't cost too much to make ensilage out of alfalfa, and that we get at least half again as much feed out of silage as we do when we put alfalfa up some other way.

Did you ever hear of prairie hay grass silage? We have seen a little and it looked wonderful. In the February 16, 1952, issue of *Kansas Farmer* we are going to give you the experience of one farmer who wintered a herd of breeding cows on prairie hay silage last year, and who is doing the same thing this winter.

### U. S. Flying Farmers Open Wichita Office

National offices of the Flying Farmers' Association were opened in Wichita January 8. Permanent offices are planned at the new municipal airport there. Transfer of the office was made from Stillwater, Okla.

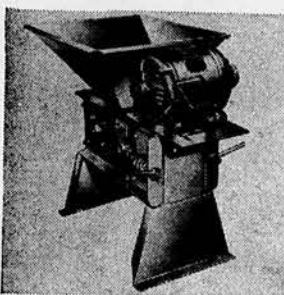
## GRANDMA . . . . By Charles Kuhn



## HOW TO GET MORE MEAT FROM YOUR MAIZE

### Roll Your Maize into Fully Digestible Feed so Stock Can Absorb All the Food Values!

Not even a sparrow could live off the droppings from cattle fed roller-crimped grains. Roller crimping opens the tough, hard-to-digest hull, exposing the berry for nearly complete absorption. 4 bushels of roller-crimped grain do the feeding work of 5 bushels of unprocessed grain. Roller crimping makes milo much more palatable, too — helps cattle gain faster, never produces troublesome fines or dust.



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## Handy Ideas

### Wallpapering Hint

Before repapering a room, I apply a thin coat of white shellac to any grease spot that may be on the wall. Then no grease will penetrate the new wallpaper.—Mrs. C. C.

### For Indoor Line

Screen-door hooks, fastened to the ends of an indoor clothesline, make a quick method of putting up and taking down the line. Put screw eyes into opposite walls or supports.—Mrs. H. J.

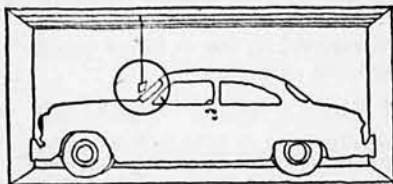
### Sandpaper Grips

I find a small square of sandpaper, large enough to fit over hot jar lids when sealing smooth lids, an excellent aid in canning. It is much easier to grip jars and seal tight without burned hands.—Mrs. H.

### Separates Oil and Water

Kerosene fuel oil, or motor oil, that has been mixed with water may easily be separated by putting the can outside on a night when the weather is below freezing. The oil will pour off leaving the water in the bottom of the can in the form of ice.—Mrs. S. L.

### Telltale



To know when your car is far enough in the garage so the door will close, tie bits of paper on the ends of a few strings. Attach strings to garage rafters so when windshield touches the paper, the door will clear rear of car.—E. A. K.

### Windproof Prop

I made a windproof clothes prop by bolting a spring harness snap on the end of a pole. This snaps the prop onto the clothesline and the wind cannot blow it off.—Mrs. C. C.

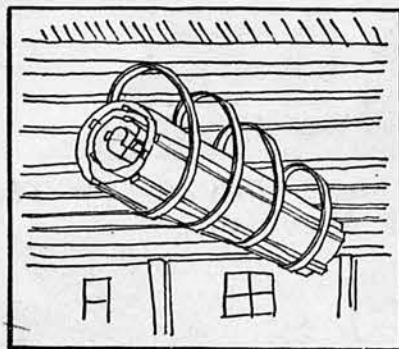
### Make Your Children's Molding Clay

Homemade molding clay can be made from 1 cup of flour,  $\frac{1}{2}$  cup salt, and 1 teaspoon powdered alum. Add  $\frac{1}{2}$  cup water, or enough to make mixture form a firm ball. To give mixture a better odor, add  $\frac{1}{4}$  teaspoon of oil of cloves or peppermint. Divide clay into several portions and add coloring matter.—Susan C. Thomas.

### Rodent Protection

Our young trees are getting their rodent and weather protection this winter by using ordinary aluminum foil. Wrap tightly around base of tree, starting below ground level; also, wrap lower limbs. Foil need not be unwrapped in spring. Saves much time as foil needs no fastening.—Mrs. C. W.

### Barrel Hoops Handy For Storage Places



Don't throw away metal hoops from barrels and kegs. Fastened to machine shed ceiling they make a storage place for rolled binder and combine canvases. One fastened to a corner of the barn walkway keeps forks and shovels in place. Use one to hold the rosebush in a clump for much easier moving.—E. A.



## with the John Deere "AR"

Test and compare the John Deere "AR" on any job . . . measure this ultra-modern powerhouse on every dollar-count—in terms of time and labor savings, lower maintenance and repair expense, operating economy—and you'll find this outstanding tractor will save you more money . . . handle every job better than any other tractor in the 3-plow field.

The "AR" is specifically designed to master every job calling for a 3-plow, standard-tree tractor. It has the lugging power—rugged, dependable *two-cylinder* power—to get you through the tough spots without shifting down, and there's greater traction—thanks to better weight distribution—to keep you on the move in extreme conditions. Six forward speeds from 1-1/2 to 11 mph match every requirement, save you time on every job from plowing to hauling. Direct engine-driven hydraulic Power-Trol takes the muscle work out of farming. An easy movement of a con-

venient control lever raises, lowers, or sets your equipment to any position desired.

With its clean, uncluttered design, the "AR" affords the operator an unexcelled view of the work, and the comfortable seat . . . the roomy platform . . . the "no-stretch" control arrangement mean less operator fatigue, more productive labor.

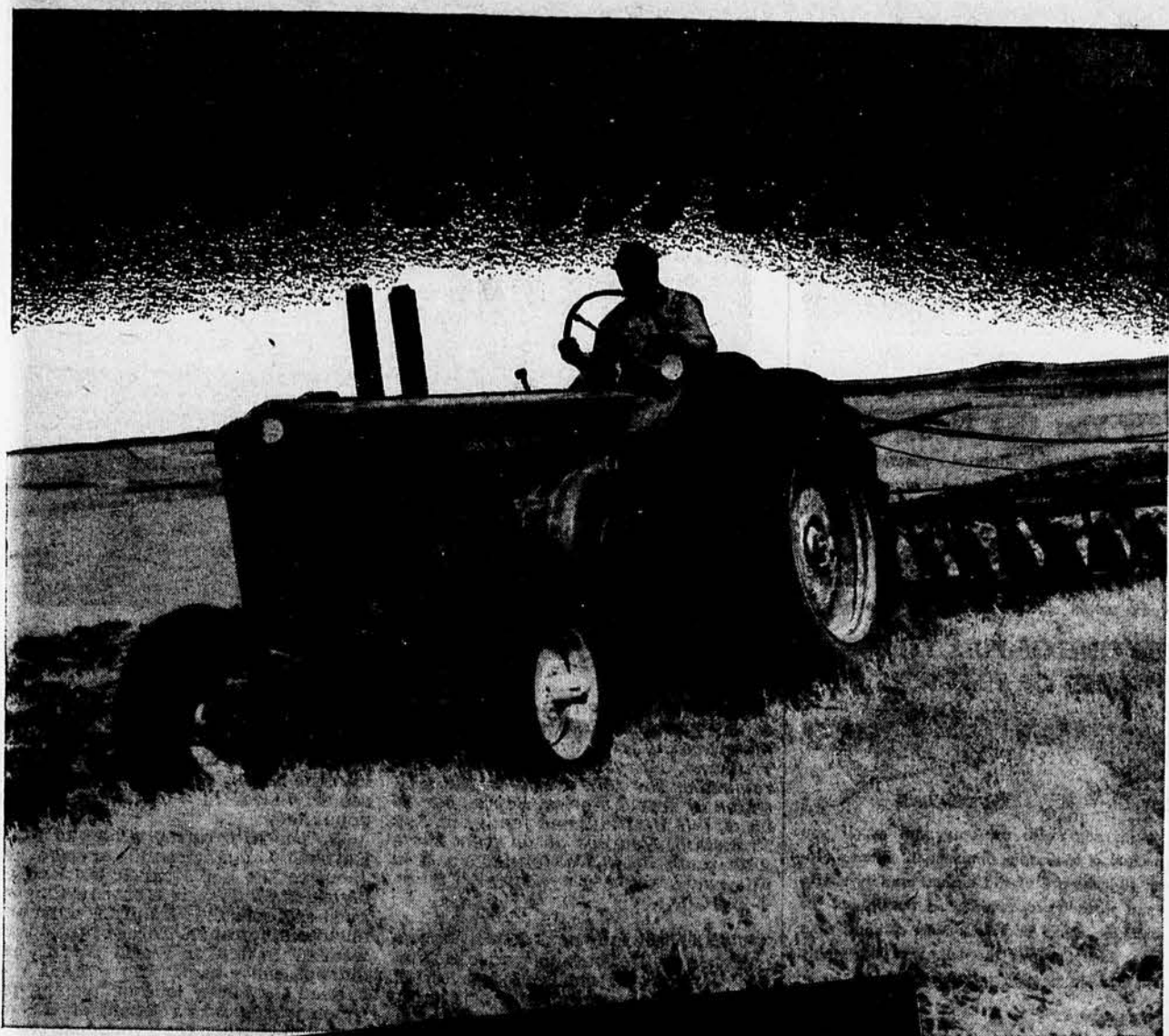
And through exclusive John Deere *two-cylinder* design—a design unmatched in simplicity, ruggedness and strength of parts—the "AR" offers you longer tractor life and far greater field dependability at rock-bottom maintenance expense.

Talk to your neighbors who own "AR" Tractors. Learn how they've cut costs, increased work output. Call on your John Deere dealer, arrange for a field demonstration and see for yourself that the John Deere "AR" is all—and more—we and your neighbors say it is.



# JOHN DEERE





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For every large-acreage need . . . for the power and stamina to whip the toughest condition . . . for operating economy that will save you more fuel dollars than any other tractor in the 4-5-plow field, you can't beat the John Deere Model "R" Diesel.

From every section of the country, handling such big-capacity equipment as 5-bottom plows, 20-foot Surflex tillers, tandem hookups of rod weeders, grain drills, field cultivators, owners of Model "R" Tractors report fuel savings that amount to several hundred dollars a year.

But fuel dollars aren't all you save with the Model "R." You save time . . . do more every hour you're in the field, thanks to five job-gear speeds and direct engine-driven Powr-Trol that gives you accurate from-the-seat control of drawn equipment. You save on maintenance expense, enjoy longer tractor life and greater field dependability for, like all John Deere Tractors, the

Model "R" offers the unmatched simplicity, the unequalled strength and ruggedness of exclusive John Deere two-cylinder design.

Your John Deere dealer has the complete story of the Model "R." See him soon. Ask for a field demonstration where you can experience the easier handling, the outstanding maneuverability, and above all, the unequalled economy of the John Deere Diesel—the Leader of the Heavyweights.

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# Moline, Illinois

## Handy Ideas

### Even Rows in Garden

To make evenly spaced rows in the garden, I put a corn cob on each of the end prongs of the rake. Then after the ground has been plowed or spaded, I simply pull the rake over the ground.  
—Mrs. J. H.

### Protect Farm Animals

Some animals will lick enough fresh paint from buildings to make themselves sick and too much may prove fatal. Fence them away until buildings are thoroly dry.—L. E. R.

### Straws for Pie

Bubbling juice from berry pies won't overflow during baking if you cut drinking straws in thirds and insert them in the slips in the top crust. Macaroni works as well if you haven't the drinking straws handy.—Mrs. F.

### Keeps Line Tight

If a short piece of link chain is added to a clothesline at one end, then all that is needed to take up slack is to hook a link farther back on the chain.—Mrs. J. H.

### Prevents Marring Floor

When moving a stove or any other heavy piece of furniture over linoleum, place a thick pad of wet cloth under each leg of the furniture and it will slide over the linoleum without leaving a scratch.—D. E. M.

### Might Prevent Accidents

A refrigerator bowl cover slipped over the hand wheel of the sewing machine will keep small children from getting their fingers caught in the wheel when sewing.—Mrs. L.

### For Loose Screws

Tinfoil will tighten loose screws in hinges. Fold the foil into a strip about 1/2 to 1 inch long and insert it in the enlarged hole. When screw is replaced threads will cut into the metal and embed it in the wood, making a tight connection.—V. R. C.

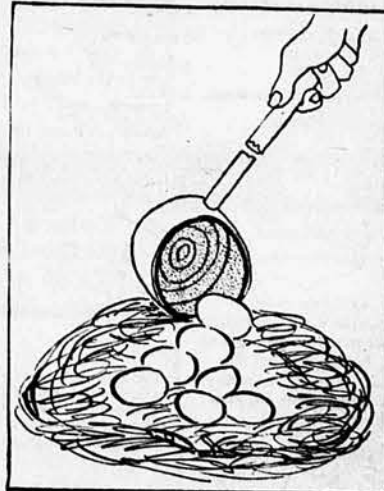
### Paintbrush for Dusting

To dust books, especially edges of leaves, I use a small paintbrush about 1 to 2 inches wide. This not only is quicker but does a better job than a dustcloth.—M. O.

### Handy Slopping Funnel

To prevent hogs from getting their heads right under the stream of slop from the bucket and spilling it, I use an old cream can from which the bottom has been cut out. The lid is removed and the can set upright in the trough. The cream-can top is just the right size to fit most feed troughs and hold it about 3 inches from the bottom. By tying a baling wire securely around the neck of the cream can and against the fence, the trough is ready for feeding.—Mrs. C. C.

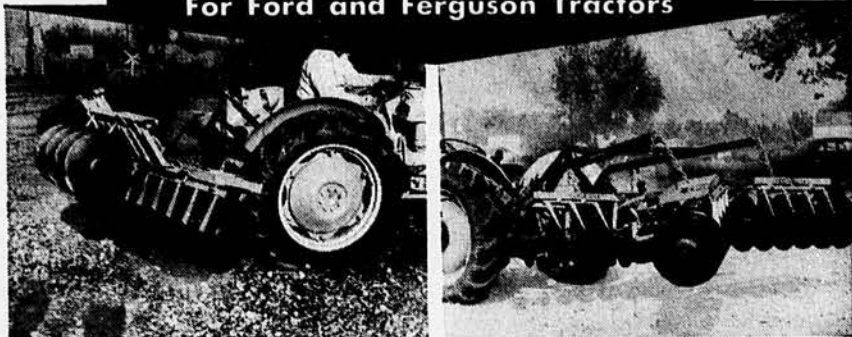
### Useful Gadget



When hens lay eggs under mangers, porches and other places hard to reach, try fastening an open-top tin can to broom handle and dip them out without breakage.—L. E. R.



## Announcing HYDRAULIC LIFT DISC HARROWS For Ford and Ferguson Tractors

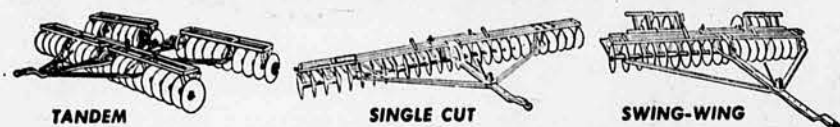


### Boosts Traction Power . . . Lets You Use Larger Discs

Here's good news for Ford and Ferguson tractor owners. You can boost traction power when soil conditions make discing heavy and the going tough. How? By simply lifting the disc (single cut or tandem) hydraulically to decrease the drag and to shift weight to bear down on the drive wheels. Increased

traction, reduced slippage, greater maneuverability at field ends, grassways and for road travel, and use of larger discs on hydraulic equipment are advantages that ease up, speed up and cut down costs of soil preparation. Same flexible, floating gang action as Kelly Ryan Pull Type.

### ALSO—FULL AND IMPROVED LINE OF PULL TYPE DISC HARROWS FOR ALL MAKES OF TRACTORS



Gangs are "knee action" snubbed for even penetration on all contours. Angling of gangs to regulate the cut is done from the

tractor seat with an easy pull or, if you prefer, a hydraulic attachment. Blades (16- or 18-inch) are of the highest quality sharpened steel. Farm engineered throughout for minimum draft and maximum cutting. One man easily swings the wings of the single cut back in passing through gates.



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### Article No. 1

## We Are Seeing America West and Southwest

By FRANCES R. WILLIAMS



Our traveling Kansas farmers, Mr. and Mrs. Frank Williams, are ready to take off on another trip.

Thank you for all your good letters saying you would like more articles by our traveling farm woman, Frances R. Williams, Marysville, R. 3. You will remember the 10th article in the 1951 series of travel stories, September 15 issue, left the Williams family in San Francisco. Now we go on from there with ranching in California. No. 2 in this new series will appear next issue. —R. H. G.

WHEN the lady next door in Berkeley, Calif., learned we were Kansas farmers, she invited us to visit her mother's home, a dairy and sheep ranch 50 miles north of San Francisco. The neighbor is a fourth generation Californian; her ancestors arrived during the Gold Rush days and stayed. Our route led thru the section of Richmond, where great oil refineries and other industries provide work for thousands. We drove onto the long pier to take the San Rafael ferry across the bay. This ferry boat trip always is interesting. On one occasion we sighted a submarine making its way to the naval base at Mare Island. San Quentin prison is near the spot where the boat docks, and we recall our first ferry trip, when taking a wrong turn, we found ourselves at the gates of this famous house of correction. Fearing it would be harder to get out than to get in, we turned the car around, stepped on the gas and put distance between us and San Quentin.

### See Deer on Hillside

Our road wound among hills where summer homes have been built in picturesque surroundings; across valleys where small villages clustered and cattle and sheep grazed on steep slopes (green in winter but sere and brown in summer). "We often see deer feeding on the hillside in early morning or evening when we make these trips," our friend remarked. "Oh look, there

are some deer now, just beyond that patch of chaparral," pointing upward where 4 dun-colored animals moved across an open space and disappeared into the brush. We were astonished to see wild deer in a region so thickly populated.

We passed thru the village of Point Reyes Station, then a mile or so beyond came to the home ranch of the Gallagher family, where Mother Gallagher and her 2 sons live. A third son lives on an adjoining ranch. Three of the 4 sons went off to fight in World War II, one did not come back. The mother who carried the heavy load of keeping the ranch going, was relieved of the responsibility when the 2 youngest, twins, came back to take over the ranching. One of the twins married the nurse who had cared for him when he was wounded and the upstairs of the ranch house had been converted into a cozy apartment. Electric lines had been built into the valley only a few months before our visit and both ranches had installed labor-saving equipment.

### Will Milk 40 Cows

The 2 ranches are located in an area where irrigation is not feasible. Crops produced are those grown with natural rainfall. Gallaghers raise oats and alfalfa. There is pasture for the growing stock the year around. A few sheep are handled on the home ranch, seen feeding on steep slopes back of the barn and feed lots. Principal operation of the home ranch is producing grade-A milk. The brothers are engaged in building up a high-producing herd and belong to a cow-testing association. The dairy herd consists of more than 50 cows. They plan to milk an average of 40 cows the year around.

The dairy barn which was still in the process of construction was the last word in efficiency. One of the brothers, an expert welder, designed and made

(Continued on Page 13)

### Top Poultry Judges



FIRST PLACE IN THE NATION is prize won by these Kansas State College poultry judging team members and their coach at recent Intercollegiate contest held in Chicago. They are, left to right: Prof. Tom B. Avery, coach; Donald Biggs, Stockton; Donald Grisham, Pueblo, Colo.; Lyle LaGasse, Concordia; and Truman Diener, Haven. A detailed story on their trip and their judging appeared in December 15, 1951, Kansas Farmer.



the stanchions, using sheet metal and iron pipe. We were impressed with the many clever and original labor-saving devices. Every part of the dairy barn had been designed to be cleaned easily and quickly. Milking is done with machines and milk cooled by machinery. It is run into 10-gallon cans and stored in the cooling room where temperature of 33 degrees is maintained. A truck picks up the milk and delivers it to the co-operative association where it is processed for retail trade.

On the adjoining Gallagher ranch, sheep production is the main object. A large flock, some 1,500, were fed in the big pasture 2 miles distance, while a smaller flock of 500 were kept in the hill pasture near at hand. Mr. Gallagher had considerable sheep trouble. A short time before he came upon 2 men butchering a lamb in the far pasture. Caught in the act, the culprits plead guilty and were serving a term in the county jail. We noticed a fine police dog lying beside the garage. The dog was dead. "What happened to that dog?" we asked. "Oh, Gallagher is having sheep trouble again," his wife said and related the following story:

"Yesterday morning, Gallagher rode over to the big pasture and came upon this police dog killing sheep. He already had killed a dozen or more and was having great sport, killing and worrying the poor creatures. My husband, who always carries a gun when he rides the pasture, shot the dog and brought it home. He loaded the dog into the trunk of the car. I piled in too, and off we went to report to the sheriff. For a time no one claimed the dog, until the garbage man recognized the animal as belonging to one of his customers. When confronted with the dog, the owner claimed it, until she learned of the misdeeds, then she changed her tune. Words flew thick and fast, with threats thrown in, so I don't know how it will end." We learned later that the damage suit was settled out of court. Other times, Gallagher and his fellow sheep ranchers are not able to collect for damage done by packs of dogs.

#### One-time Egg Basket

The return trip was made thru the Petaluma district, which has been called the "Egg Basket of the World." We saw many poultry ranches, but others have been abandoned. Small orchards have been uprooted, and poultry ranches sold for building lots. "This is the old stage road," our neighbor explained. "The stage that carried passengers and gold from the Mother Lode country traveled this road. There is the spot up ahead where a bold robber used to hide. He would hold up the stage and rob the passengers."

"Was the robber Black Bart, the notorious bandit of early days?" we asked the 10-year-old boy, who went on with the story.

"I don't know for sure about his name, but he got shot one time," which proves that crime did not pay even back in the gold rush days.

We counted more than 20 deer feeding with the cattle on the hillsides.

A second visit to a California ranch occurred a short time later, 25 miles east of Berkeley. Three generations of native Californians live on this ranch. The grandfather, altho past 80, takes an active interest in everything; his son, a man approaching middle age, who operates the ranch, and the 14-year-old grandson. The last named member of the family is the fourth generation to live here. The old gentleman recalled his father "planted that long row of eucalyptus trees when I was a small lad, about 75 years ago."

The 1,200-acre ranch includes a small portion of valley, while the greater part is located on sides of steep hills. None of the crops is irrigated, but must depend on natural rainfall. A Kansas farmer would hesitate to plow the steep slopes because of erosion. The soil is free from rocks.

Experimental grass plots are located on the sidehill so steep it seems crawling might be easier than trying to walk to the top. The ground was prepared with a tandem disk and the seed sown

broadcast, then packed with the disk pulled by a small Caterpillar tractor, which side-slipped more than once, but managed to remain right side up.

Like other farms that have been in possession of one family over a long period, there is a collection of outdated, discarded implements behind the barn. Old hayracks, used to haul wheat bundles, cut with a grain binder, to the threshing machine, were equipped with big wooden brake blocks. When we saw the location of the wheat field we could understand the necessity for the brakes. Wheat is the principal grain crop. Small crawler-type tractors and combines have simplified the job of harvesting. Considerable acreage is planted to hay crops. Wild oat grass has proved satisfactory. The hay is put up in 300-pound bales. Beef production is stressed and a herd of 60 Angus breeding stock is maintained.

A flock of several hundred White Leghorns is a profitable side line. Hens are housed in buildings similar to our range houses, but equipped with wire screen floors, 3 feet off the ground. A

pen of broilers was being fattened for market. A small orchard of English walnuts is another profitable side line.

We observed the experimental research of the forestry division of the University of California and the U. S. Department of Agriculture at Black Mt. station and in National Forest areas. Object of the work is to find grass varieties and methods which will reseed overgrazed ranges and burned-over brushland and forests with grass that will sustain livestock.

Some of the grass plots are fenced with electric fence, to keep range cattle away, others are unfenced. Different varieties of grass are planted to determine which variety grows best under all manner of conditions, adverse as well as favorable. Some plots had been sprayed to eradicate sagebrush before planting the grass, in others the grass seedlings compete with the lusty sage. Airplane and helicopter have been used in spraying and seeding.

The range areas in the National Forests are often leased to cattlemen for summer pasture. In the past, herds of

#### Heaps of Fun

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cattle were driven on foot for a hundred miles or more in spring and fall to and from the mountain pastures. With more roads into the back country, the modern method of hauling the cattle by truck is replacing the long drives with a saving of time and without loss of pounds of valuable meat. An old stockman recalls that when a lad of 16 he lay awake at night longing for spring to come to begin the cattle drives, now he lies awake dreading them. He is convinced this fall was his last drive. He is sold on truck hauling.

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Troy Barton Amoret, Missouri

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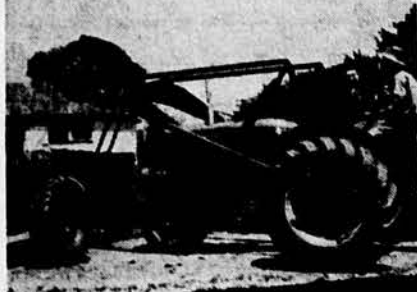
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#### April Party Fun

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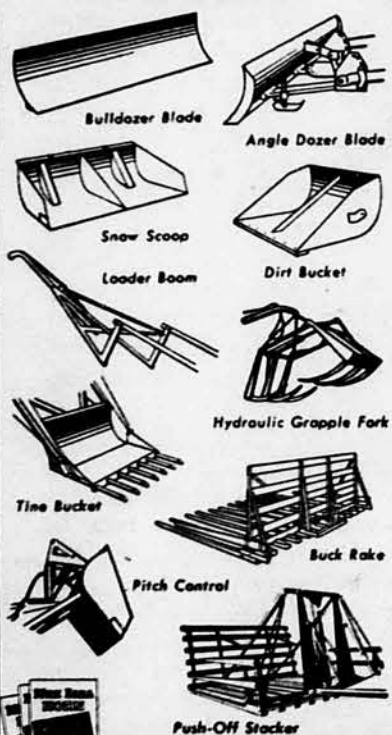
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## Vocational Agriculture

By HELEN ANKENY



**I**NSTRUCTOR L. O. GUGLER, of Vocational Agriculture and FFA adviser at Riley, and his Future Farmers recently held open house at the high school auditorium so Riley citizens could inspect the new Vocational Agriculture building and farm shop. More than 300 attended. Refreshments for the occasion were provided by the local board of education and served by sophomore girls and their Vocational Home-making instructor, Mrs. Hassebrook.

The new building is of brick facing and Hadite block, measures 40 feet by 100 feet with classroom and office on south and shop on north. The floor is asphalt tile and classroom and office are well lighted with fluorescent lights. New equipment for the shop includes electric and oxyacetylene welding and a forge for blacksmithing.

A. G. Jensen, Vocational Agriculture instructor at Olathe senior high school, attended the American Vocational Association convention at Minneapolis, Minn., November 26 to 30. Jensen is chairman of the committee on civil retirement for Vocational Agriculture teachers.

Vocational Agriculture teachers from surrounding towns attended a recent conference at Ottawa high school on questions relative to their department of school work. "Area problems and successful practices in farm management" was the theme of the meeting, which was under general supervision of L. B. Pollom, of Topeka, staff member of the Kansas State Board of Vocational Education.

Other staff members present were L. F. Hall and Loren E. Whipps from Kansas State College. Represented at the conference sessions were Vocational Agriculture instructors from Emporia, Burlington, Yates Center, Iola, Kincaid, Parker, LaCygne, Williamsburg, Paola, Osage City, Garnett, Olathe, Shawnee Mission, Louisburg, Wellsville, Lawrence and Ottawa. S. S. Bergsma, Ottawa, was host instructor.

Concordia Future Farmers have purchased 10 head feeder pigs and have started a demonstration project on value of aureomycin and vitamin B<sub>12</sub> in fattening hogs. The pigs have been marked and weighed individually and separated into 2 lots. Basic ration for each lot is an ear of corn and soybean meal. In addition to this, one lot received a small quantity of aureomycin and vitamin B<sub>12</sub> concentrate. This is mixed with the soybean meal and self-fed. The pigs are weighed every 2 weeks to determine progress.

Under supervision of Vocational Agriculture Instructor W. A. Rawson, the Concordia boys have wormed the pigs, sprayed and castrated them as part of their Vocational Agriculture classwork. Corn being fed was raised by the Concordia FFA boys on their 12 acres of rented land. All feed and other cost records are kept by the junior Vocational Agriculture class. All profit from the project will go to Avon Dannels on whose farm the experiment is being conducted.

Robert Mulvihill, member of the Jayhawk FFA chapter, Lawrence, was presented the Star Senior Farmer Award at the 20th annual FFA banquet held the last of November at Liberty Memorial high school. The presentation was made before 135 banquet guests. The honor is given annually to the senior boy who has the best all-around farming program and is considered the highest award made by the Jayhawk chapter. Mulvihill, son of Mr. and Mrs.

John Mulvihill of Williamstown, is a senior, 18 years old, has a farm plan of 15 acres of corn, 35 acres of wheat, and 2 registered Hereford breeding heifers.

Other achievement awards on individual projects went to Ward Sample, dairy; Wayne Leonhard, beef; William Banks, hog production; Clarence Rogers, farm mechanics, and Dean Hadl, soil conservation. An honorary membership in the Jayhawk chapter was presented to Willis Colman, who is the ninth farmer in that area to be awarded the honor in the last 20 years. E. R. Essick is the Jayhawk FFA adviser and Vocational Agriculture instructor.

The Eskridge Future Farmers and their instructor and FFA adviser, Alvin E. Maley, held open house November 15, in their new Vocational Agriculture building which was just recently finished. The building is 100 by 50 feet. Eskridge chapter with its 27 members painted doors, windows, and trim; did plumbing and heating work, made workbenches, and poured concrete sidewalks.

A \$400 pop vending machine was purchased by the Kingman Future Farmers for the Kingman Youth Center. The FFA will receive all profits until cost of the machine is paid. Then profits will be split, 75 per cent to go to the FFA, and the remaining 25 per cent to the Youth Center. Virgil Lake, adviser, and his boys expect to pay for the machine in less than 2 years.

Members of the Holton FFA chapter and their adviser, Keith Wagoner, have built a 24-inch retaining wall of concrete for the parking lot east of the school building. The wall is 8 inches wide and 130 feet long.

Beloit Future Farmers and their adviser, Frank Carpenter, in co-operation with the Extension service, has planted 9 wheat variety plots and 10 soil fertility plots on the 15 acres they rent from the Mitchell county fair board. Root systems of wheat which had phosphate added at seeding time are much better developed than root systems of wheat which had no fertilizer added, according to Beloit's FFA reporter, Don Smyth.

Because of the country's need for more scrap iron and steel to produce steel and iron needed today for production use, Wes Seyler, farm service director, Radio Station WIBW, conducted a scrap drive among Future Farmers Kansas schools. The drive started November 2, and closed November 26, with the result that 170,150 pounds were collected.

Williamsburg, Earl Anderson, instructor, won first place in the contest, having collected 48,070 pounds. High individual was Ralph Basel, with 30,000 and Richard Neal was chairman. Second place went to Harveyville, Raymond Sigg, instructor; Roger Butler, high individual and Keith Rogers, chairman. Trousdale, James Grider, instructor, ran a close third with 28,000 pounds, Wilbur Wood high individual, and Milton English, chairman. Fourth, fifth, sixth and seventh places in order named, went to El Dorado, Wm. R. Millan, instructor; Ottawa, S. S. Bersma; Highland, J. Orion Beaver; and Burlington.

Anderson and his group of Future Farmers were the guests of WIBW on a special program broadcast honoring the Future Farmers of America in the scrap collection campaign, and also were guests of WIBW at a luncheon given in their honor.

## Land Unevenly Divided

If all cultivated land in the world, which produces crops to feed the world's people, were divided evenly among the population, each person would have slightly more than one acre, according to the USDA. Asia, excluding the Land of the Soviets, has more than half the people but less than a third of the cropland. In contrast, North America has only about 8 per cent of the people but more than 21 per cent of the cultivated land.

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## 1952 All-America Winners In Flowers and Vegetables

By WILLIAM G. AMSTEIN, Kansas State College

WITH most of the All-America foot-ball selections out of the way, it is time to announce the 1952 All-America winners in flower and vegetable developments.

There usually is a good bit of interest in these new introductions, and many of them achieve a place in our permanent variety lists. This year there are 7 new vegetables and 4 new flowers.

These new varieties are entered in competition by seed firms from all sections of this country as well as many foreign lands. In fact this is the 20th year entries have been received for testing in trial grounds over the country. There are 21 flower judges and 22 vegetable judges who receive and grow these samples.

These flower and vegetable entries are grown and compared with the best similar kinds already in general use. Scores or placings given these entries by judges in each section of the country are totaled and the winners, if any, are notified so they may increase the seed supply as rapidly as possible for introduction. The seed trade is notified the season before a variety is to be introduced so all firms may have an equal chance to contract with the originator or introducer for the quantity of seeds desired. By this method gardeners in all sections of the country have an equal chance to get these new superior varieties from their usual dependable sources of seed supply.

### Name New Varieties

Two leaders in the 7 new vegetables in the 1952 list are a new, all-purpose bush snapbean named "Wade" and a loose-leaf lettuce called "Salad Bowl." These received gold medals. Silver medals were awarded a heat-tolerant spinach "America" and a long, heavy-bearing Cushaw pumpkin known as "Allneck." Other winners were "Vinedale," an extra-early sweet bell pepper; "Golden Delight," a vigorous, flavorful muskmelon and "Stringless Hort," a productive new horticultural bush bean.

Wade snapbean was originated at the USDA Regional Vegetable Breeding Laboratory at Charleston, S. C., and seems to be very widely adapted. It is an attractive, dark-green, round, potted bean of 6 to 7 inches, smooth, round and fairly straight. It is resistant to a serious disease of beans known as Mosaic, and in many areas has doubled the yield of Tendergreen considered a good standard variety. Wade is a few days later than Tendergreen and much smoother and more attractive over a longer period than Topcrop, a new variety widely used the last 2 seasons. Wade produces a heavy crop over a short period instead of a few pods at a time for a longer season. It will be desirable to make a series of plantings to provide a long season supply of the best-quality snapbeans. This variety is well-adapted for freezing, canning or for market purposes.

### Salad Bowl Lettuce

Salad Bowl lettuce has been under development for more than 10 years. Many gardeners will recall Oakleaf as the best cut-leaf variety available today. Salad Bowl is more vigorous and rapid-growing than Oakleaf with much larger plants and is more resistant to heat and tip burn. It is tender and sweet over a long period and is the slowest loose-leaf lettuce to bolt to seed. It develops its name from the fact a mature plant will fill a sizable salad bowl with leaves as attractive as endive. It is of uniform, rosette shape, high in vitamins C and A.

Alho America spinach originated in Holland it appears best of the popular Bloomsdale type for both home garden



"These new vegetables really grow fast and big!"

and market use. Compared with winners of other years such as Viking and Giant Nobel, America is darker green, much more heat-tolerant, a great producer of thick savoyed or crumpled leaves and the slowest spinach to go to seed. This spinach should be extra valuable for home gardens because of its longer period of use. However, America is not an early yielder so an early variety also should be planted for the first crop.

Allneck, a Cushaw pumpkin that originated in Georgia, is much improved over the present favorite, Green Striped Cushaw. Only a few gardeners include this type of pumpkin in their garden.

Vinedale pepper was developed at the Horticultural Experiment Station, in Ontario, Canada. It is a dwarf-type plant growing about a foot high. This pepper produces early as compared with many peppers.

Golden Delight Muskmelon, developed in Michigan, produces earlier and larger fruits than Pride of Wisconsin or Queen of Colorado. It stands bad weather better than most varieties.

Stringless Hort snapbean provides the most prolific, bush form of Horticultural beans. It yields highly-colored calico beans popular in many areas, especially in Missouri. They can be used early as a snapbean, later as green shelled beans and as a drybean at full maturity.

The 4 new flowers are Fiesta cosmos, Ballerina petunia, Persian Carpet Zinnia, and Globe Mixed phlox. These are all annuals easily grown from seeds.

Fiesta is an early bi-color annual Klondyke cosmos with very festive colors that include wide stripings of scarlet and gold lengthwise in each petal.

Fire Chief petunia and Glitter Marigold were 1950 winners and Flaming Torch Tithonia was a winner in 1951 and usually widely and favorably received this last season.

Ballerina is a new dwarf fringed petunia with a long season habit of flowering developed in Colorado. It has salmon-pink blooms with large flowers laced and ruffled. Its hybrid vigor provides uniformity in strong compact growth and steady flower production.

Persian Carpet zinnia is an attractive new strain with large flowers and a rich wide range of oriental colors. The 2-inch flowers are fully double and each plant seems to produce flowers of many different colors including orange, purple, gold, rich brown and henna.

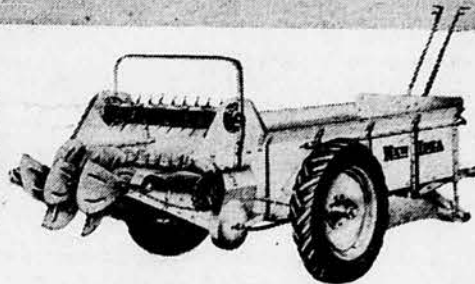
Globe mixed phlox from Japan is an annual with globe- or dome-shaped plants about 6 inches high. They are practically covered with blooms of phlox red and white with some pink and salmon shades.

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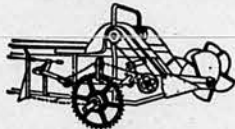


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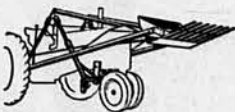
**NEW IDEA Spreaders** feature the finest box built with prime, fully cured pine—extra-resistant to rot and corrosion. All boards tight-fitted and double-riveted to sturdy steel frame—less leakage, no loosening up under longest service. Lasts a lifetime!



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Those flared side-boards on a **NEW IDEA** Spreader make a big, dollar-saving difference! Make loading so much quicker and easier, either mechanically or by hand. Make room for extra forkfuls in the wider-top wooden box. Make it possible to haul a lot higher load—with least loss along the road.

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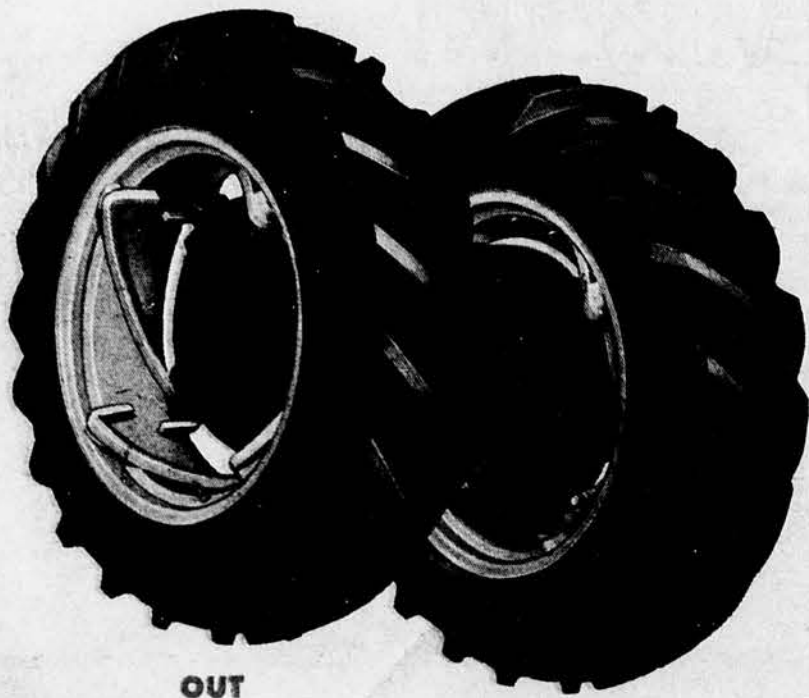
## Coming, February 16 . . .

Did you know soybean glue is used in making shotgun shells? And boards can be made from wheat and rye straw? From alfalfa, flour and candy have been made, and one man's business is growing 3 million 4-leaf clovers yearly for good luck charms and cards! Popped kernels of corn have been found in ancient Aztec ruins of South America.

You'll find these and other interesting facts about crops in a series of articles written by Gordon West, associate editor, to appear in 1952 issues of *Kansas Farmer*. Look for them, and know facts about Kansas crops.



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## Thoughts TO LIVE BY

### As Others See Us

AT A recent meeting of The United Nations General Assembly, the question that received most comment was not Korea, but America. Imagine us being a problem to others! But we are, and to assume we are not is unrealistic.

Thru the Marshall Plan, we have given vast sums of money to certain countries to help them re-establish their economy. It was not gold we shipped, but steel and tools for industry. These countries should be sending something back to America. They can't send money. They don't have enough. But they are able to send the things they produce.

Suppose one country tries to send cheese, another watches, another clothing. Immediately lobbies in our national capital oppose such action because entry of these things into our country would adversely affect our economy.

So these nations look for customers elsewhere. They can find them behind the Iron Curtain. But this isn't satisfactory with America. So they sit in idle dependence. We don't like the situation, and they don't like it. But because of our power, they look to us for the first move. In the meantime, they talk about the American question.

At present, about 80 per cent of our federal budget is earmarked for the military. That covers cost of wars past and present and preparation for future conflicts. With a selective service law that is adequate for the present, we are considering projecting a Universal Military Training program into the future.

The Communist propaganda portrays us as a militaristic nation. If we spend four-fifths of our budget for war, and if we adopt Universal Military Training, some people will have so many questions in their mind they will find it difficult to refute Communistic propaganda.

Traditionally, we have been the champion of the oppressed, and the friend of freedom-loving people. But as in the case of Indo-China, we have been maneuvered into the position of supporting a colonial government that is none too good against the drive for liberty made by the natives. In our opposition to Communism, we have driven the progressives into the ranks of the Communists. And in Spain, we are aiding a government reputed to be as undemocratic as any to be found in the world. The "little people" have questions about America. What has happened to the champion of the oppressed and the friend of freedom-loving people? Robert Burns longed for a power that would enable us to see ourselves as we appear to others. It would save us, he concluded, from many a blunder.

It is easy to be critical of people who are critical of us. It is the mark of wisdom to analyze the evidence and correct misunderstandings. The stakes are too high for us to lose our temper. God has put it within our grasp, we believe, to save the world for free men. That conflict must eventually be won in the minds of people and not on the fields of battle.

—Larry Schwarz

### New-Style Family Doctor

By CHARLES H. LERRIGO, M.D.

AN AUTHOR congratulates the medical profession on beating the old-time stigma that doctors will not call at night. City after city is now planning that a frantic citizen can get a physician in 6 minutes by simply notifying the telephone operator of the emergency. I agree this is a fine job, for it was a reproach to the profession that doctors were unavailable when terrible need existed.

Doctors had some defense. Stirring this matter up prompts me to renew the subject of the family doctor. It is your business to select one and do it with care. Further than that, you should call on such a doctor; should let him know you are dropping in to get acquainted so in any family illness, you will have someone to depend upon. This will not only help in making a decision as to the doctor who is called, but the doctor will be glad of a "getacquainted" call and perhaps quicker to come if the emergency should find him very busy.

#### Country Doctors Up-to-date

My wide acquaintance with country doctors shows them to be of the same stock as their city brethren. Why not? They take the same lectures, use the same textbooks, witness the same operations, and nowadays the country doctor is sure to have had an internship in a good hospital. The man who goes to the small town is, in all probability, as well informed and as clever as the man who settles in the city. It may be that lack of funds leads him to settle in the small town. On the other hand, it may be because he was reared in the country and loves to live with rural people, thereby making him just the man who would understand your needs.

Speaking of the country versus the city doctor, I am inclined to think the

young doctor who begins his practice in the country has the advantage. It is true he misses some facilities but this very lack throws him upon his own resources. He cannot get help from "just around the corner" but he learns how to appreciate the use of a good hospital when he can get it. This makes him do them successfully, while the young man in the city is standing by and watching some great man (who perhaps allows him to act as an assistant). The country doctor buys more books than the city man. He snatches time from his practice to go where the big clinics are and see what they are doing. And he appreciates the opportunity to take in post-graduate courses.

The head of a family has definite responsibility to give time and thought to choosing and getting really acquainted with a family doctor. Then the whole family will profit from his aid. He should not only give care in illness but important advice as to "keeping well." The new-style doctor is learning to do that. Perhaps you can get together and have better family health in 1952.

#### Candy and How!

That's the name of a new booklet we can offer to you free. It contains a collection of old favorites and the unusual, too. Outlined are secrets of success in candy making. Explained are such problems as causes of sugary candy and how to prevent it. Tests are given for doneness.

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### Sweet Spud Label



This label in yellow and gold will identify grade 1 and better sweetpotatoes marketed by Kansas growers, members of the Kansas Sweetpotato Association voted at their annual meeting in Manhattan in December. The Association, an affiliate of the Kansas Horticultural Society, is sole owner of the label and has established rules for its use. The potatoes must be inspected and graded by federal and state graders co-operating with the marketing division of the State Board of Agriculture. The association is to decide on varieties or strains eligible for marketing under the label.

All officers of the Association were re-elected at the 1-day session. They are: Bernard Lohkamp, Wichita, president; John Britt, Manhattan, vice-president; Wilbur Frisbee, Bonner Springs, treasurer; O. H. Elmer, Manhattan, secretary.

### Coming Events

- February 4-8—Farm and Home Week, Kansas State College, Manhattan.
- February 6—Norton county soil conservation service annual meeting, Norton.
- February 9—Brown county soil conservation district annual meeting, Hiawatha, Municipal Auditorium, 8 p. m. Elmer T. Peterson, of the Daily Oklahoman, speaker.
- February 9-21—Jefferson county, Tb. chest X-ray Mobile Unit in county.
- February 11—Bourbon county artificial breeding association annual meeting, Fort Scott, Court House, (evening).
- February 11—Ford county, outlook meeting and stag supper, Dodge City, with Ray Hoss and Norman Whitehair, KSC marketing economists. County Building, 7 p. m.
- February 11—Washington county, rural electrification demonstration, Washington.
- February 11—Brown county, district sheep and livestock school, Hiawatha, auditorium basement, 10 a. m.
- February 11—Butler county, crops school—crops diseases, insects, with E. A. Cleavinger, Dell Gates and Claude King.
- February 12—Washington county, planning county conservation program, with R. C. Lind, KSC specialist, Washington.
- February 13—Brown county home storage unit training meeting with Vera Ellithorpe, KSC home management specialist. Methodist church, 10 a. m. to 3.30 p. m.
- February 13—Chautauqua county, correlated winter crops school, Sedan.
- February 13—Wilson county, dairy meeting, Fredonia.
- February 14—Cherokee county, 4-H adult meeting, Columbus, with Mary Elsie Border and Roger Regnier. 4-H Building, 10 a. m.
- February 14—Norton county garden leaders training school, with W. G. Amstein, Norton.
- February 14—Labette county, sheep school, with Wendell Moyer, KSC specialist, Girard.
- February 14—Pottawatomie county, farm machinery maintenance and repair meeting, Wamego.
- February 14—Crawford county, district sheep and wool school, Girard.
- February 14—Doniphan county, meeting of supervisors of county soil conservation district, Troy.
- February 15—Elk county crops and insect school, with KSC specialists, Gene Cleavinger and Dell Gates. Discussion will be tame and native grasses along with insect control in the county.
- February 16—Norton county 4-H leaders training school, Norton, Legion Hall.
- February 16—Jefferson county, handcraft lesson, Oskaloosa Legion Hall.
- February 18—Jefferson county, tractor maintenance school, Oskaloosa.
- February 18—Johnson county, leader training meeting, "Propagation of Plants," with W. G. Amstein, KSC horticulturist, Olathe.
- February 19—Eastern Kansas home demonstration agents administrative conference.
- February 19—Osage county, school on poultry housing and management, Lyndon.
- February 19—Pottawatomie county, farm home furnishings, remodeling and arrangement meeting, Wamego.
- February 19—Rice and Ellsworth DHIA annual meeting, Lyons, agricultural building, 8 p. m.
- February 19—Thomas county, meat cutting demonstration, with David Mackintosh, KSC specialist.
- February 20—Miami county poultry school, Paola, court room.

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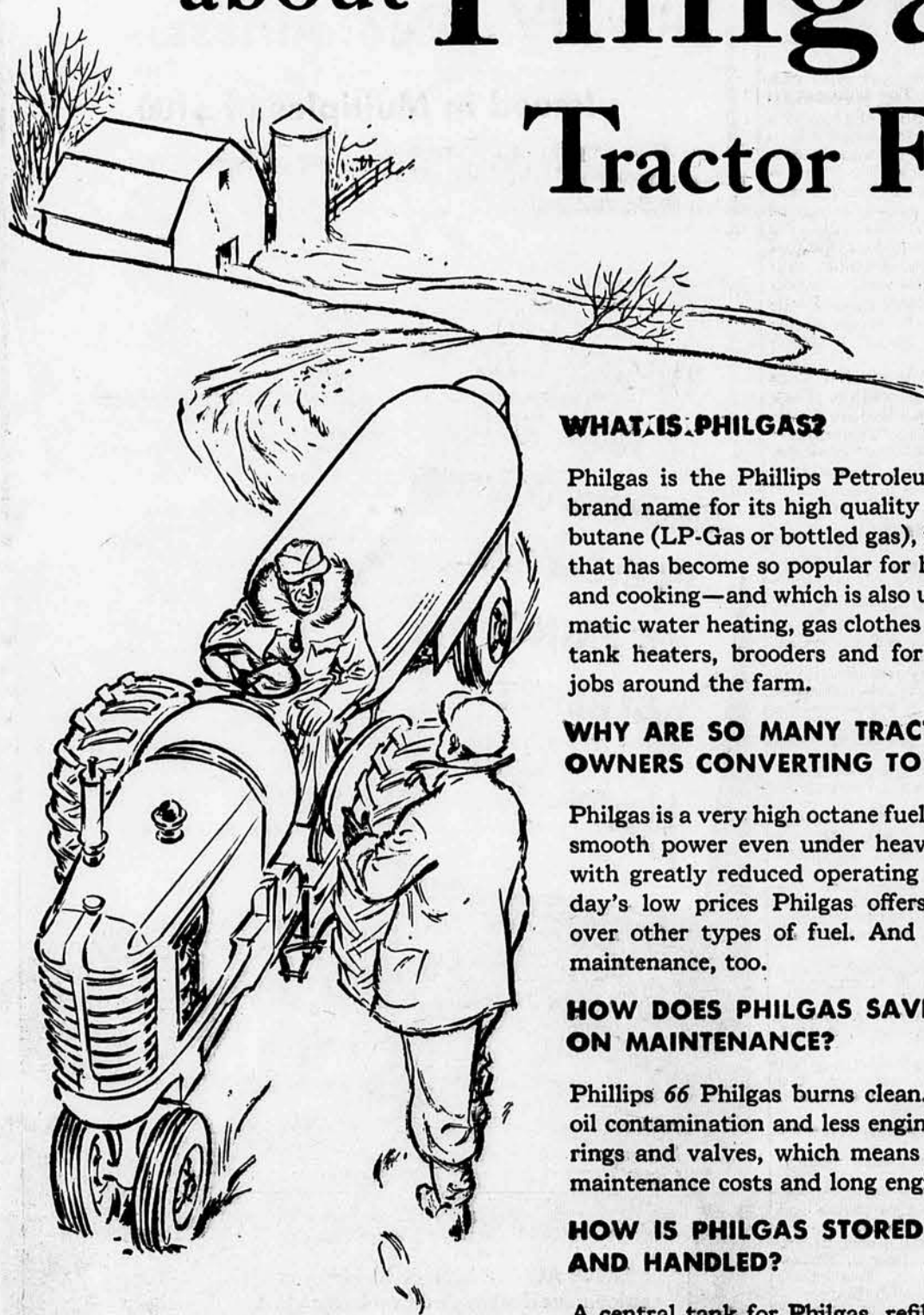
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## WHAT IS PHILGAS?

Philgas is the Phillips Petroleum Company brand name for its high quality propane and butane (LP-Gas or bottled gas), the same fuel that has become so popular for home heating and cooking—and which is also used for automatic water heating, gas clothes dryers, stock tank heaters, brooders and for many other jobs around the farm.

## WHY ARE SO MANY TRACTOR OWNERS CONVERTING TO PHILGAS?

Philgas is a very high octane fuel that delivers smooth power even under heavy loads, and with greatly reduced operating costs. At today's low prices Philgas offers big savings over other types of fuel. And you save on maintenance, too.

## HOW DOES PHILGAS SAVE ON MAINTENANCE?

Phillips 66 Philgas burns clean. There's less oil contamination and less engine deposits on rings and valves, which means lower engine maintenance costs and long engine life.

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A central tank for Philgas, refilled occasionally from your Philgas distributor's tank truck can supply all your needs around the farm. With Philgas you use a closed fuel system which eliminates losses from evaporation, spillage, or overfills.

## CAN ANY TRACTOR USE PHILGAS?

Yes. Your present tractor can be converted to Philgas at no great cost. Of course, if you are planning to buy a new tractor investigate one that is factory-made for Philgas. Talk it over with your Philgas distributor.



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*Philgas* PHILLIPS PETROLEUM COMPANY, BARTLESVILLE, OKLAHOMA.

## Marketing Viewpoint

By C. P. Wilson, Livestock; Leonard W. Schruben, Feed Grains.

*How do you calculate wheat loan redemption values?—N. W.*

Some confusion apparently prevails about the price a farmer must obtain for his wheat before he can afford to take it out of loan and sell on the open market. This confusion probably has resulted because of the change in method of handling charges for storage costs as compared with former years.

In earlier programs, to calculate the break-even point, one added to the loan rate the amount of storage plus accumulated charges. If the basic loan rate was \$2.20 per bushel, storage charges 10 cents, and interest 6 cents the break-even point would be \$2.36 per bushel. At date of maturity of the note the farmer would need to receive \$2.36 or he could not afford to pay back his loan and sell the wheat on the market.

In the present program, to calculate the break-even point one deducts from the basic loan rate the cost of storage from date until maturity date. A harvest loan of \$2.20 would be handled as follows. If storage charges were 10 cents, then deduct this, leaving \$2.10 break-even at harvest time. On April 30, the maturity date, these charges will have been incurred (the 10 cents will be used up). If he pays back the loan on April 30 he will need to receive \$2.20 plus the 6 cents accumulated charges to break even or \$2.26 per bushel. Each loan needs to be calculated because there would be some variation in charges and interest because of different lengths of time wheat was under loan.

*What is the price outlook for this year's crop of deferred-fed cattle?—C. B.*

Prices of fat cattle have declined about \$2 per hundredweight since last October. Further weakness in prices of fed cattle seems probable during late winter and spring. The recent report on number of cattle on feed indicates a record number of cattle were in feed lots the first of this year. This indicates ample supplies of fed cattle for the next 5 or 6 months. However, with feed costs as high as they are there is little to indicate a burdensome supply of fed cattle being carried over into fall months when deferred-fed cattle are ready for market. Also, at present there are indications the demand situation will be strong at that time. Cutbacks in production of consumer durable goods and increases in defense production are scheduled. This may result in maintaining or even increasing dollar incomes, but reducing the quantity of consumer goods available in the market. Stronger prices tend to result.

Altho producers of deferred-fed cattle may have paid high prices for calves last fall and the cost of feed and grass will be high this year, there still is evidence the program will be profitable. Net income per head from the enterprise may be smaller than in some recent years but the outlook is still reasonably favorable.

*I have some hogs about ready for market. Shall I sell now or wait out the market a little longer?—L. V.*

The hog market has been much slower to react to seasonal influences this winter than usual. Two factors appear responsible. First, receipts are unusually heavy for this late in the season. The unfavorable hog-corn price ratio is forcing a heavy rate of marketing which is a price-depressing influence. Second, the threat of a strike in the meat-packing industry is creating considerable uncertainty, and is causing packers to bid less aggressively than usual.

The heavy runs of recent weeks should begin to taper off soon. Also, if the labor difficulty should be settled without a strike in the near future the market would be in position to advance above recent levels. From a price standpoint it would appear you could afford to carry your hogs into the middle of February. Chances of a higher price are greater than lower then.

## Prevents Slipping

I paint the backs of my scatter rugs with rubber plastic liquid sold in hardware stores and thus make them skid-proof.—E. H.





*"To Make the Best Better"*

## News of Kansas 4-H Clubs

By Gordon West

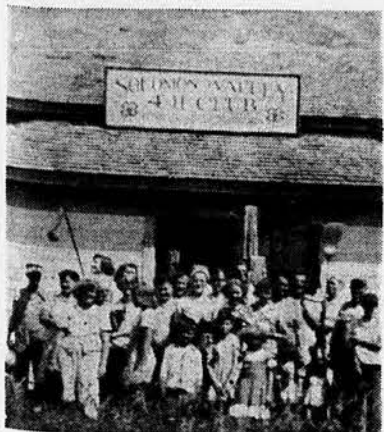
LETTING community business and service clubs know what local 4-H Clubs are doing, by entertaining them at dinner, is becoming popular with many 4-H Clubs. Commercial club members of Fredonia recently were dinner guests of the Better Citizens 4-H Club of Wilson county, at the Maple Grove consolidated school. Mrs. Leland Brindle, leader of the club, writes, "The food, of which there was an abundance, was furnished by families of club and was served by the 4-H girls and their mothers."

Program consisted of a welcome by the club president, response by the president of the Commercial club, group singing, musical numbers by members, and a "promotion talk" by Ray Lee Thomas, one of the Kansas delegates to the annual national meeting in West Virginia. Mrs. Brindle says, "The Commercial club is still talking about the fine gesture on the part of the club."

Top 4-H'ers in Labette county for 1951 are Francis Grillo, Jr., Sunflower 4-H Club, and Lorene Hartwell, Stover Steppers 4-H Club. They were named outstanding members at the annual county achievement party held recently at Parsons.

Barbara Unruh, reporter of the Sunflower Club, writes us both winners are presidents of their local clubs and have outstanding records in 4-H activities. Francis has been active in judging work, placing high at several fairs. He is vice-president of his county council and was on the 1949 state crops team. Lorene has been active in promotional work, judging and home improvement activities. Barbara reports the outstanding club for the year was the 101 Go Getters Club.

A Style Revue in reverse! That's what the recent floods did to plans of the Solomon Valley 4-H Club of Cloud county. Myrna Horn, reporter, writes, "There had been about 2 inches of water" in their clubhouse and it needed a good scrubbing after the mud was



swept and washed out. "Instead of having a style revue this year it was decided that we go the other way . . . by wearing blue jeans and clean the clubhouse." Following flood rehabilitation, the club held their annual Achievement Day Supper.

For the 3rd year, the Princeton Jolly Workers 4-H Club, of Franklin county, won the trophy given by the Ottawa Chamber of Commerce for outstanding 4-H Club work. Lois Bones, reporter, writes the club won permanent possession of the trophy this year. At the annual 4-H Achievement Day, musical

numbers were presented by the band, mixed quartet and trumpet trio—all blue-ribbon winners at the district and subdistrict 4-H days. The trumpet trio was invited to the Round-Up.

Patsy Wasson's winning of the 1951 Kansas News Writing Contest is an example of how hard work and a "stick-to-it" conviction pays off! Two years ago when she was club reporter for the Prairie Schooners 4-H Club in Ford county, she entered the state contest and placed in the blue-ribbon group. The next year she was reporter again and improved her work so greatly she placed 2nd in the state. Then this year her report was so outstanding it won the biggest title—State Champion!

She included 103 items in her reporter's notebook—26 regular meetings, 34 other events, 13 sewing meetings, 27 foods meetings and 3 pictures that were printed in newspapers. Items and pictures appeared in the Dodge City Daily Globe, High Plains Journal, Hutchinson News Herald and Kansas Farmer, in this column. At the Hutchinson State Fair she was editor of the "4-H Midway," state newspaper for 4-H campers, during the week. She reported a caroling party, project tour, farewell party for member going into the armed services, 4-H Sunday, judging school, fair activities.

Business and professional women of Garnett were "food servers" at the 1951 Anderson County 4-H Achievement banquet. Jayne Rue Wyatt, county council reporter, tells us 300 persons attended the event, given in honor of those members who completed their projects. Donna Cowan, Emporia, an IFYE delegate to France last summer, showed slides and told about her trip. Top award of the evening went to Wilma Jean Bowman, Garnett, who won a Santa Fe trip to the National 4-H Congress, Chicago, in November.

Members of the Rainbow 4-H Club, of Oakley, Logan county, received many county championships at the recent county achievement banquet. Wanda Depperschmidt was home improvement, garden, public speaking and project achievement champion. Other champs: Tommy Miller—junior leadership, project achievement and home beautification; Danny Depperschmidt—beef; Marjorie Hanschild—food preservation and dairy foods individual demonstration work; Dorothy Smith—junior leadership; Marvin Miller—conservation; Norma Joanne Smith—safety; Lonnie Mader—farm and home electric award, and Darlene Winterscheidt—news writing.

Miami county 4-H members showed a total profit of \$78,604 for the past club year from project work. Richard Moody, club agent, says this figure shows an increase in livestock, and expected decrease of crop projects due to flood losses and unfavorable weather conditions. Nevertheless, club members in Kansas are doing their usual excellent, profitable job of project work.

Clothing projects in Miami county (including articles made new and those made over) were valued at \$3,245 and completed at a cost to members of \$1,985. Largest figure in the profit column was the beef project, with an ending value of \$24,230.41.

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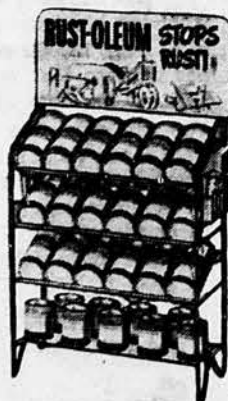
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No. 3 in flower series written by a man  
who grows them by the acre

## Perennials From Seeds

By FRANK PAYNE

SOMEBODY once said growing perennials in your flower garden is a lazy man's job. I do not agree. I have grown many acres of perennials for a long time, starting some from seeds and others from roots or divisions. I find if you want good blooms you simply cannot afford to be lazy. In other words, no flowers will do everything by themselves. Your care and attention to all their needs will result in better quality beautiful flowers for many years. Neglect them and your garden will be a disappointment to you.

There are 2 ways to get a start with perennials. One is by sowing seeds and the other is by planting roots or dividing a clump into several pieces. This article tells only about those started from seeds. Next article in a later issue of *Kansas Farmer* will tell about those started from roots. I will cover the most easily grown kinds, especially those I have had actual experience in growing myself.

### What Could Be Wrong

There are so many kinds of perennials it would take a large book to cover all. Using seeds to start, some folks may not have had much success. Investigations prove many causes for failure, not always the fault of the seeds. Some must be sown only from fresh seed recently gathered. Others must be planted in late summer or early fall. Some should be sowed in early spring, or even late spring when frost danger is past. Some kinds should be sown in a cold frame because the plants are so tiny they will need protection from heat or cold weather. Other kinds you can sow out in the open garden right where they are to remain, as they dislike having their roots disturbed. Let us discuss several kinds, their likes and dislikes.

**DELPHINIUM** (Hardy Larkspur): Everyone seems to like blue flowers. Delphinium can satisfy that need as they come in all shades of blue. I had a man who worked for me in the flower fields many years. It seemed difficult for him to remember "Delphinium" so he gave them the common name of "Monday Morning Blues," which I always thought was a very good common name after all.

### The Care of Seed

They are the most glorious of all mid-summer flowers and are easily grown from freshly gathered seed sown in early fall in a cold frame. If unable to sow in fall, be sure to keep the seed in a small jar in your refrigerator, because it seems to lose its germinating power if kept in a warm room over winter. If fall-grown the young seedlings can be planted in a wind-protected spot and will bloom the first year. They can stand partial shade, too.

There are many varieties and types and here are some named sorts that are good to start with. **BELLADONA** is a light blue. **BELLAMOSUM** is an extra-dark blue. The **WREXHAM** or **PACIFIC HYBRIDS** make large hollyhock-type stalks, come in many shades of colors and grow so tall they may require bamboo stakes to keep from falling over. Delphinium all cry for lime in the soil, so be sure to sweeten the soil.

**HOLLYHOCKS**: These are an old-fashioned flower, but still can add their share of beauty for your garden if rightly used. That means, plant them in the background or along a garden

fence. Sow seed thinly in August right where you want them to remain, as they are somewhat hard to get started from the roots and will resent being transplanted. Be sure to use freshly-gathered seed. They come in all colors, both single and double flowers.

**COLUMBINE** (Latin name is *Aquilegia*): This is the state flower of Colorado. It likes partial shade. You can sow the seeds soon after they ripen in summer, or real early the next spring. The old clumps in the garden will last much longer if not allowed to go to seed. Columbine make wonderful cut flowers and come in all colors and shades, a very satisfactory flower indeed.

Two wonderful perennials come from the *Chrysanthemum* family. Both are easily grown from seed. They are **PYRETHRUM** (common name is Painted Daisy) and **SHASTA DAISIES**. You can sow the seed of both flowers in late summer or early spring and get good blooming-size plants the second year. Both must be planted in a well-drained spot. Bloom in late May and June for us.

**GAILLARDIA** (Common name is Blanket flower): A double-duty flower blooming in the summer garden. They can stand poor soil and extreme heat. Are the last flower to die down in the garden. Sow seeds real early in a hot-bed or cold frame and transplant later outdoors. They make good cut flowers.

**COREOPSIS**: From the Daisy family. Make wonderful cut flowers and will bloom over a long season if kept cut. They need plenty of sunshine. An early or midsummer sowing of seeds outdoors will flower the following season. If you like real bright yellow flowers be sure to sow some *Coreopsis*.

**LUPINES** are a good perennial to grow in a cool place where drainage is perfect. You must sow seed where they are to remain as they resent being transplanted. After the first bloom is over, cut it off and another comes on.

**SWEET WILLIAMS**, the common name for *Dianthus Barbatas* are an old but popular flower. Sow seed outdoors in May, transplant in late August to flower the second season. (Do not get this confused with the wild sweet williams.)

**PERENNIAL SWEET PEAS** are a hardy flower that can be planted with seed sown in fall right where they are to remain. The vines will grow as much as 8 feet tall on a fully-grown plant and they can stay in the same place many years. They come in white, pink and red colors.

The U. S. Dept. of Agriculture has a dandy bulletin, No. 1381, on *Herbaceous Perennials*. It costs 10c. See your Farm Bureau Agent. He may have one or can get it for you.

(My next article covers Perennials from roots or divisions.)

## Kansas Hybrid Wins In Oklahoma Tests

Hybrid corn varieties of the Tomson Hybrid Seed Corn Co., Wakarusa, were consistent winners in various test locations in Oklahoma in the 1951 tests of the Oklahoma Experiment Station. In one test plot in the Washita river bottom area, Tomson K-2234(w) placed first over 49 entries. Several second, third, and fourth places were won, as well as other high rankings. Similar high placings were won in 1950.

## Stomach-ache

By CHARLES H. LERRIGO, M. D.

The patient who came complaining of stomach-ache really knew little about the stomach. Anything below the midriff was stomach to her. But no matter its location and little matter its severity, "stomach trouble" remains one of the common ailments with the possibility of serious complications if allowed to run on. Quite often the holiday season, with its feasting, leaves distress that fasting does not cure.

My letter, "Hints About the Stomach" may help you. Any interested reader may have a copy by sending a request with an envelope addressed to himself, bearing a 3-cent stamp, to Dr. C. H. Lerrigo, care of *Kansas Farmer*, Topeka, Kansas.





### A personal message from the President of Armour and Company

At Armour we think of ourselves as more than just an important cash market for your farm products. We are actually your working partners in the business of feeding America. Armour enjoys and respects this working partnership with farmers. We want you to know more about our business and the services we provide—and we want you to know we appreciate *your* business, both when you sell us your products and when you buy ours.

In 1951 we continued our development of new products and

new and different uses for old products. We broadened our program with farmers and farm groups.

We did these things despite unusual problems arising from price controls, floods, and defense shortages. With all signs pointing to increased livestock production, bumper crops and increased farm acreage this year, we intend to continue these services.

We hope Armour's many services to farmers in 1952 will help make your farming more secure and more profitable.

*Ar. H. Speck*

President, Armour and Company

### Here's how you shared in Armour's 1951 sales dollar.

Out of every dollar we took in on sales during 1951, 81.08 cents were spent for livestock, dairy and poultry products, and other "raw materials" and supplies.

Armour's total check in payment for farm products and other supplies was \$1,796,111,850! Here's what happened to the other 18.92 cents of the Armour sales dollar.

The company paid its 63,000 employees 10.77 cents out of every dollar. Another 2 cents went to railroads and truckers to pay transportation costs. For maintenance, depreciation, power, communications, traveling, insurance, advertising, etc., 3.94 cents was paid. Interest accounted for 30/100 of a cent, and taxes for 1.28 cents.

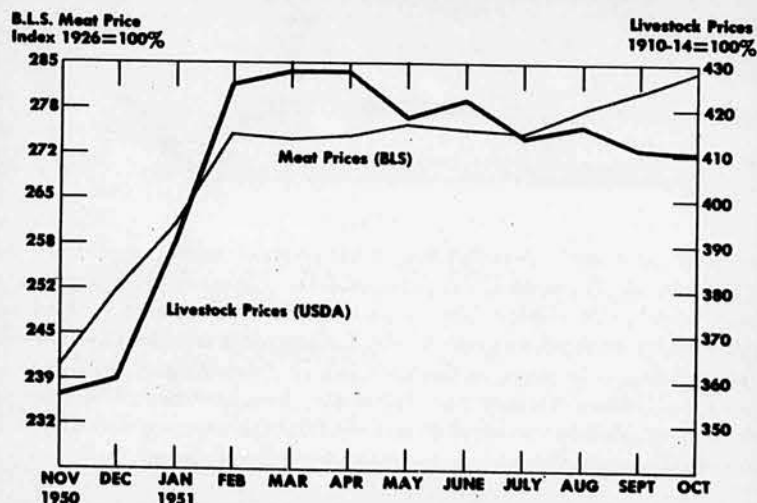
This left only 72/100 of a cent of profit for Armour from every dollar's worth of all products sold.

Total		Cents per Dollar of Sales
\$1,796,111,850	Paid for raw materials, and for supplies	81.08
238,561,984	(a) Paid to employees	10.77
44,213,590	Paid for transporting product to customers (cost of transporting product in company owned equipment included in (a), (b) and (c))	2.00
87,386,414	(b) Paid for maintenance, depreciation, power, communications, traveling, insurance, advertising, etc. (wages paid to employees have been excluded, such wages being included in (a))	3.94
6,622,403	Interest on debt	.30
28,331,579	(c) Federal, state and local taxes	1.28
(2,055,589)	Dividends received, interest and miscellaneous income	(.09)
16,029,004	Net earnings	.72
\$2,215,201,235		100.00

### Here's what happened to live animal prices and wholesale meat prices in 1951.

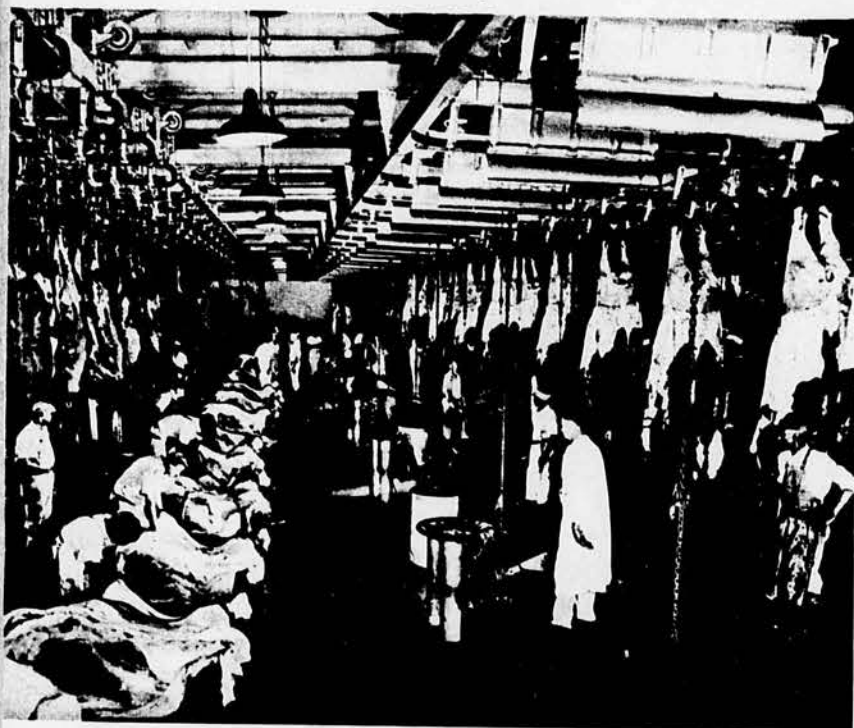
In normal years the two lines on the chart at the right would run closely parallel because wholesale meat prices and the price you receive for livestock have a direct relationship to each other.

But 1951 was not a normal year due to price controls which became effective January 25. Note that livestock prices stayed far above meat prices until July, except for a temporary drop during May. For the rest of the year, the situation was reversed. During 1951, our food operations returned a profit of only 7/100 of a cent on each pound of food sold. Established packers suffered severe losses on beef particularly.





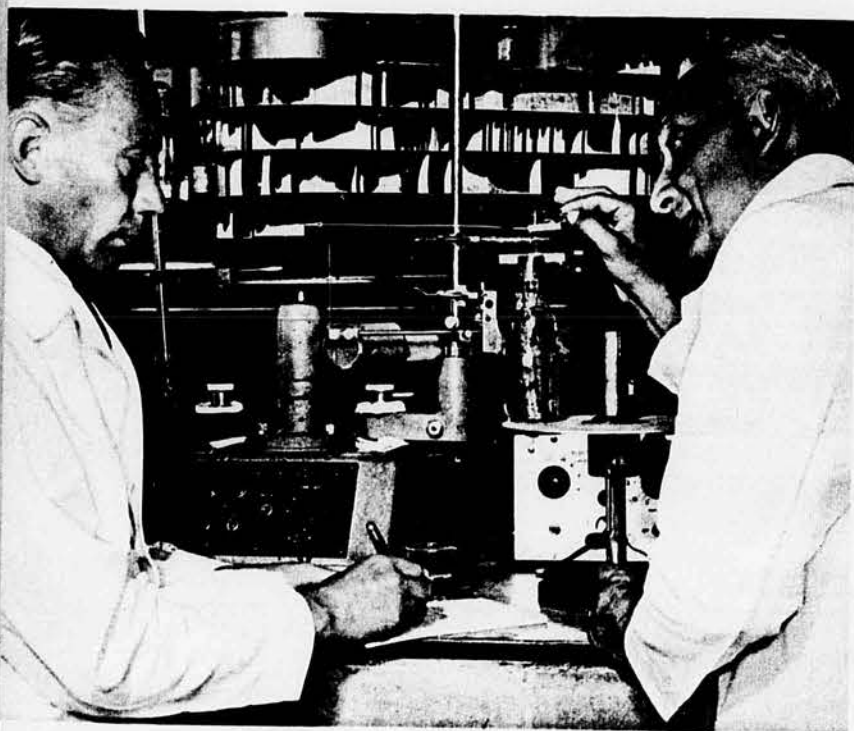
*It was a year p*



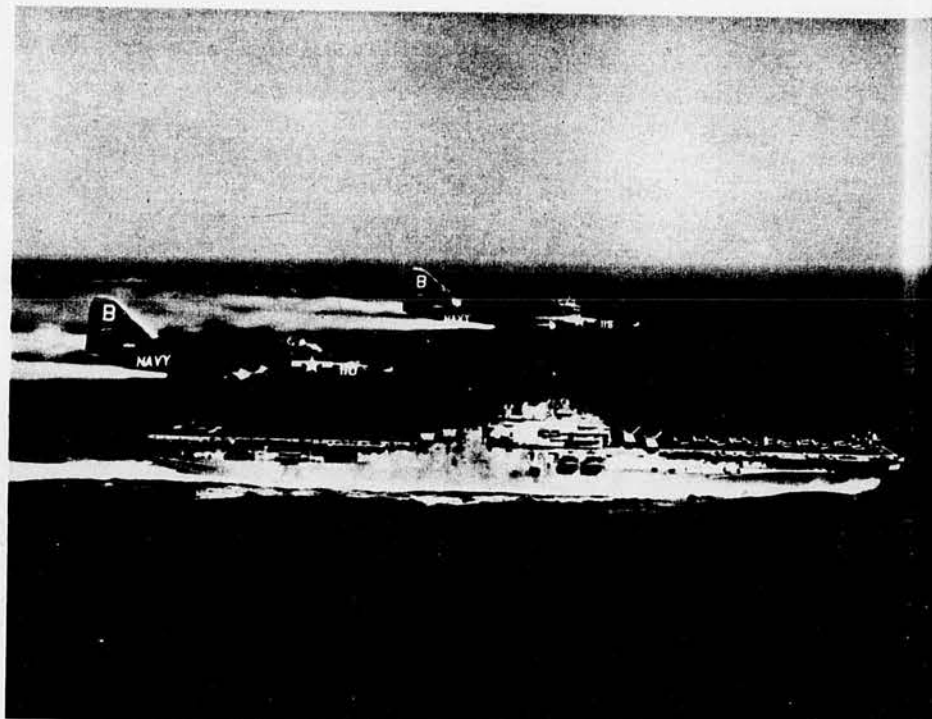
**Working at capacity** in the world's largest beef dressing plant at Armour—a sight seldom seen in 1951. Here in our Chicago plant we can process 220 animals an hour. Another 33 Armour plants in 22 states also process your livestock swiftly, efficiently. Under price controls we could not stay in compliance with government regulations and buy normal supplies of cattle. Plants could not work at capacity and Armour suffered serious losses in its beef operations. But whether cattle runs are heavy or light, these facilities are always kept ready for you. They are part of our fixed operating expenses.



**Pork in plenty!** While beef volume was low, pork volume was high and Armour processed more hogs in 1951 than in all other years except 1943-44. Armour buyers served farmers at 750 markets across the nation, supplying all our packing plants. Shown above are the federal inspectors working on one of our processing lines. The hogs are converted into hundreds of different food items. In our sliced bacon line alone, we list 34 brands and packages to give consumers the product they prefer at the price they want to pay. By careful grading and sorting of bacon and all other pork products, we get better returns for the meat and can, therefore, pay relative higher prices for livestock.



**Searching for muscle secrets!** Rhythmic beats of a frog's heart are measured by Dr. Stephen Hajdu, left, and Dr. Albert Szent-Gyorgyi, famous Nobel prize winner. This is part of a research project started in 1951 under an Armour grant-in-aid. This project may lead to new knowledge that will improve the curing and processing of meats—help combat human diseases, too. 450 skilled Armour research people work year around in developing new and better ways to use your farm products—all of which helps make farm living better.



Official U. S. Navy Photograph

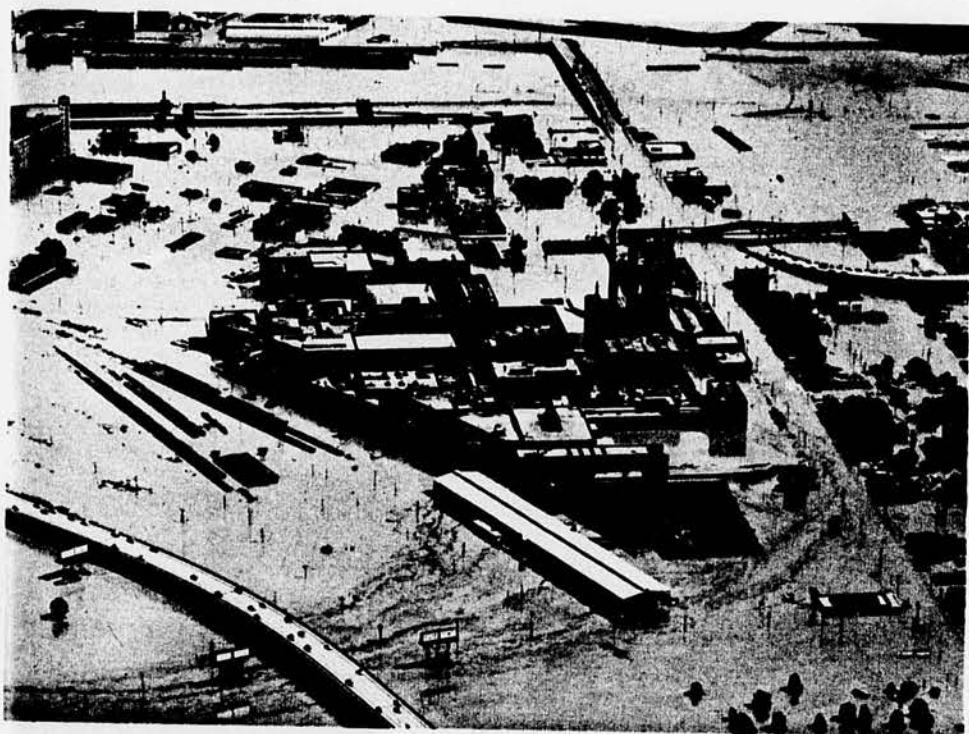
**New Armour product aids defense!** Fast Grumman jet fighter planes, like the shown above returning from a Korean air strike, rely on a new Armour product, Armofoam, to give lightweight strength and buoyancy to wing structures. Poured in the wing, Armofoam hardens quickly, helps wings meet the stress of today's high speeds. This is only one of many Armour products important to the nation's defense effort—only one of the many ways we make every part of the "raw materials" you raise more valuable. In the last five years Armour has developed and marketed 130 new products, thus creating new and wider markets for the things you produce.

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*price controls...floods...the Korean War...and increased  
Armour efforts to make your farming more secure*



**\$5,540,000 flood damage at Kansas City plant!** Rampaging flood waters struck our Kansas City plant in July, left it buried in 18 feet of water, mud and debris. As fast as flood waters receded, Armour people worked night and day to reopen the stricken plant for shipments of livestock. Damaged buildings and equipment had to be cleaned and repaired. Every cooler and work room had to pass a rigid U. S. Government inspection before it could be put into operation. Armour was Kansas City's first packing plant to get back into operation after the flood. Only seventeen days after flood damage forced plant operations to cease, slaughtering began again. Meanwhile Kansas City customers were being supplied from other Armour packing plants.



**2½ ton cheese boosts sales!** It would take seven average cows a year to produce the milk that goes into this 5,000 pound Armour cheese. Here it is being crated on its way to one of the nation's leading super markets. Big cheeses are big business—and big news, too! By creating unusual displays, they help stores arouse interest in cheeses of all kinds. In 1951, as part of its program to increase cheese sales, Armour marketed hundreds of mammoth cheeses to stores in all sections of the country. Product promotions like this mean enlarged markets for your "raw materials."



**Bringing home the fatted calf!** Young man with the blue-ribbon headlock on the prize calf is Bill Hunter, Little Sioux, Iowa, one of the lucky scramblers in an Armour-sponsored calf scramble at the 1951 Iowa State Fair. He gets the calf. After a year's supervised care and feeding, it may win him an Armour scholarship to an agricultural school. This is only one of many different ways that we work with farmers. Armour helps poultry farmers raise meatier, healthier chickens; aids livestock producers to cut down shipping and handling losses; teams with farmers to fight animal diseases, develop improved vaccines—all aimed at making your farming more profitable.



**Advertising widens the markets for you!** News of Armour products travels fast through advertising—finds new customers fast, too. By reaching every corner of the nation, Armour quickly tells the sales stories of its many products to the millions of men and women who will buy them. No other method of creating mass sales has equalled the success of advertising at so little cost per sale. That's why advertising is so vital to the job of moving your products to consumers—and bringing consumer dollars back to you!



Every time you shop you have an opportunity to help Armour make your farming more secure. Every Armour product you buy helps to maintain the large volume of sales Armour needs to provide you with a ready cash market—a *growing* cash market.

Every Armour product you buy also helps us continue research that's important to you: research that develops new products to increase the demand for your "raw materials"; research that leads to new ways of improving the quality of poultry and livestock and increasing the rewards for your efforts.

Products like the ones you see on this page have made the Armour name famous for quality. Today, Armour processes, distributes and sells more than 2,000 products for home, farm and industry. Try some. You're sure to find many new favorites in the Armour family. And remember, you make *your* farming more secure when you take home several Armour products every time you shop!



You know it's good!

**ARMOUR**  
STAR

The Armour Star label is one of the world's great guarantees!

## Armour and Company

Buyer of hogs, cattle, calves, sheep, lambs, milk, cream, chickens, turkeys and eggs.

Seller of beef, pork, lamb, veal, butter, cheese, poultry, eggs, lard, shortening, margarine, ham, bacon, sausages, canned meats, canned foods, soaps, pharmaceuticals, tallow and greases, curled hair, chemicals from fats, glue, wool, leather, sandpaper, dog food, veterinary supplies, industrial oils, fertilizers and livestock feeds.



## Sunflower State Did Well At Denver Stock Show

**K**ANSAS breeders entered in the National Western Stock Show, at Denver, January 11 to 19, gave a good account of themselves. Outstanding single victory was won by CK Ranch, Brookville, when CK Crusty 46th won reserve champion Hereford bull honors, then went on to sell for \$41,500 to set an all-time high for the show.

In addition to showing reserve champion bull, CK Ranch had 1st and 2nd place bull calves, 5th and 7th places on pens of 3 bulls, 4th and 7th on 2 bulls bred and owned by the exhibitor.

Foster Farms, of Rexford, stepped in to challenge CK Ranch for honors in the Hereford breeding cattle awards. Foster Farms had 1st place 2-year-old heifer and 2nd place senior yearling heifer. CK Ranch had 4th place senior yearling heifer, 2nd summer yearling heifer, 2nd summer heifer calf, 5th on 2 females bred and owned by exhibitor, 6th on 4 animals all of one sire, 6th on junior get of sire, 2nd on pair of yearlings, and 2nd on pair of calves.

### Plenty of Good Angus

Also impressive in the Aberdeen-Angus breeding cattle show was Simon Angus Farm, Madison. This breeder had 7th place 2-year-old bull, 7th senior yearling bull, 3rd junior yearling bull, 4th summer yearling bull, 5th and 6th senior bull calves, 5th junior bull calf, 2nd summer junior bull, 4th on 5 bulls, any age, owned by exhibitor, 2nd on 3 bulls, any age, by one sire, owned by exhibitor, and 6th on 2 bulls, any age, bred and owned. W. R. S. Angus Farms, Hutchinson, had 8th place 2-year-old bull.

In the Angus heifer competition Simon Angus Farm came thru with 2nd place 2-year-old heifer, 7th junior yearling heifer, 8th and 9th senior heifer calves, 8th junior heifer calf, 3rd summer junior heifer, 4th on 4 animals out of one sire, 3rd junior get-of-sire, 6th pair of yearlings, 3rd and 8th pair of calves, and 7th produce of dam.

W. R. S. Angus Farms, Hutchinson, also did well in female classes, getting 3rd 2-year-old heifer, 9th senior yearling heifer, 10th summer yearling heifer, 8th summer junior heifer.

Blackpost Ranch, of Olathe, had grand champion pen of 5 bulls and Simon Angus Farm had 2nd place pen of 3 bulls.

Mr. and Mrs. Earl Stout, of Studley, upheld the reputation of Kansas Short-horn breeders by showing 4th place heifer calbed between May 1, 1950, and August 31, 1950.

### A Grand Champion Carload

CK Ranch, Brookville, scored again by showing grand champion carload of registered bulls. Kansans won 5 out of 8 places in carload senior bull calves class. They were O. C. Hicks, Garden City; L. L. Jones & Sons, Garden City; Foster Farms, Rexford; J. A. Schoen & Sons, Lenora, and R. E. Frisbie, Beardsley.

W. R. Masters, of Halstead, placed 6th with his carload, 15 head of fat steers, 1 year old and under 2.

Kansas State College showed reserve champion Aberdeen-Angus steer in open classes. In open class fat Herefords, the College placed 9th in medium, 8th in medium heavy. Harlan Mudd, Russell, had 9th place medium heavy fat Hereford and Larry M. Seaman, Wilmore, 6th place heavy. Kansas State College also had 4th place group of 3.

In open class fat Angus, Kansas State College had 3rd place light and 1st place medium and 4th place group of 3. Gene Gates, Coldwater, had 8th light; Gary Dalquest, Wilsey, had 5th place heavy; Paul H. Nelson & Sons, McPherson, 9th place heavy.

Dan D. Casement, Manhattan, had 4th place carload of feeder heifers, 20 head, open heifers under 1 year old. Fred Heine, Lucas, had 2nd place Angus special, a carload of feeding steers, 1 year old and under 2.

### Stephen Foster Play

Something different and interesting is the playlet, "Stephen Foster's Vision." Requires 7 characters. Entertainment chairmen or hostesses will welcome this playlet. Write to Entertainment Editor, Kansas Farmer, Topeka. 3c.

Other Kansans who showed in feeder steer classes were T. I. Mudd & Son, Gorham; Russell Ellasser, Sublette; P. L. McDonald, Kendall; D. D. McDonald, Kendall, and Harold Christen, Sublette.

Ray Tracy, Harper, entered the junior fat wether contests and he won 3rd place in light Southdown wether class.

Again, Kansas' single entry in the carload fat hog contests, Vernon Worcester, Hill City, won championship with his 1st place Chester Whites in the all-breed class for hogs weighing 210 and under 250 pounds.

Kansas State College livestock judging team placed 11th in the judging contest, but placed first in hog competition. S. Slyter, of the Kansas team, tied for 4th high individual honors on cattle, and V. Brungardt was high man in hog judging. Kansas State College wool judging team placed 4th, with S. Lyter ranking 8th and D. Schoneweis ranking 10th high individual.

In the college carlot judging contest Kansas State tied for 8th—ranked 6th on sheep, 8th on hogs.

### Did Well in Sales

Kansans also did well in sales held in connection with the National Western show. Here are some sales and buys:

Aberdeen-Angus sales: Bandolier 20th of McKan, by McKan Angus Farm, McPherson, for \$1,500; Revemere of Wheatland 11th, by James B. Hollinger, Chapman, for \$2,000; Repeater of Wheatland 18th, by James B. Hollinger, for \$1,475; Warden, by Sunflower Farm, Everest, for \$850; M. & S. Nell, by Black Shadow Angus Farm, LaCrosse, for \$675; Blackcap Lantz 262nd, by Black Shadow Angus Farm, for \$675; pen of 3 bulls calved before September 1, 1950, by Waldo Harder, Whitewater, for average of \$475; 2nd pen of same, by Waldo Harder, for \$500 average; pen of same by Simon Angus Farm, Madison, for \$1,000 average. Blackpost Ranch, Olathe, had the top-selling pen of 5 bulls at \$1,700 a head.

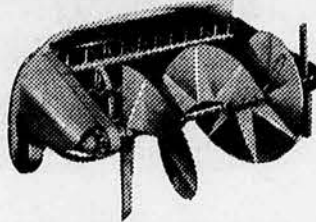
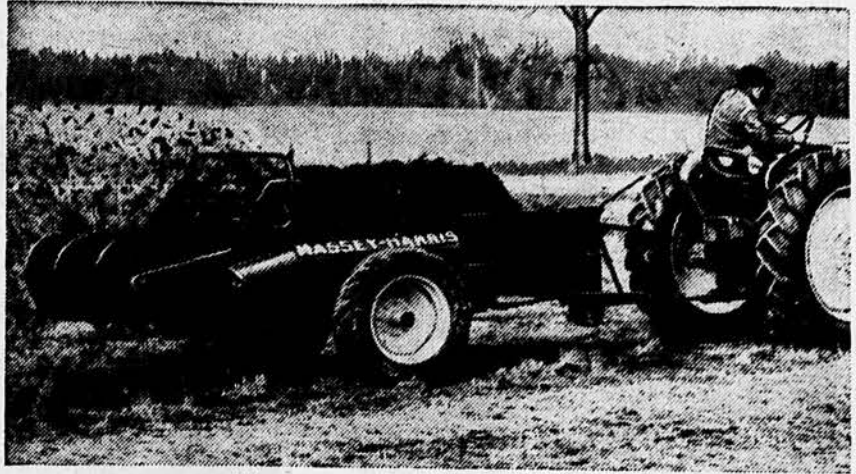
Aberdeen-Angus purchases: Fox's Barmere Lad 11th, by L. W. Bailey, Mentor, for \$1,150; Bandolier N. 17th, by Hale & Williams, Mentor, for \$1,950; Bandolier of Don Head 69th, by Kenneth Moore, Roxbury, for \$3,100; Bandolier of Don Head 71st, by P. T. Rand, Kanorado, for \$1,500; Black Prince D. 41st, by L. W. Bailey, Mentor, for \$700; M. & S. Nell, by V. T. Rand, Kanorado, for \$675; Blackcap Lantz 262nd, by V. T. Rand, for \$675; Pikes Peak Enchantress 2nd, by V. T. Rand, for \$675; Blackbird Bandolier A Bar A, by V. T. Rand, for \$725; R. O. F.'s Elba E. 4th, by V. T. Rand, for \$650; Peggy 120th of Shady Lane, by Hale & Williams, Mentor, for \$1,125. Pen of 5 bulls, by Blackpost Ranch, Olathe, for average of \$1,700 (a new sale record). Two pens of 3 bulls and 2 pens of 5 bulls were purchased by Barrett Owen, Dodge City, for average prices per head of \$500, \$460, \$600 and \$635 respectively.

Hereford sales: CK Patsy 2D, by CK Ranch, Brookville, for \$2,500; CK Kristine 84th, by CK Ranch, for \$2,800; WR Royal Princes 3d, by CK Ranch, for \$3,500; P. Royal Duke 20th, by Lappin Brothers, Jetmore, and H. H. Colburn, Spearville, for \$3,100; CK Crusty 46th, by CK Ranch, for \$41,500; CK Crusty 67th, by CK Ranch, for \$10,000; CK Crustynineteen 7th, by CK Ranch, for \$3,000; FF Alpine C. 11th, by Foster Farms, Rexford, for \$3,500; LHR Duke Pride 21st, by Layman Hereford Ranch, Holcomb, for \$3,950; CK Publican 46th, by CK Ranch, for \$2,600; CK Princeton 2d, by CK Ranch, for \$1,575; CK Crusty 107th, by CK Ranch, for \$10,000; LHR Duke Pride 31st, by Layman Hereford Ranch, Holcomb, for \$13,000; W. Royal Dandy, by Titus & Stout, Cottonwood Falls, for \$1,300; W. Royal Essar, by T. L. Welsh, Abilene, for \$1,100; LHR Duke Pride 25th, by Layman Hereford Ranch, Holcomb, for \$1,350; FF Alpine C. 21st, by Foster Farms, Rexford, for \$950.

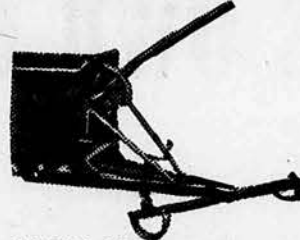
Hereford purchases: WR Royal Princes 3d, by A. D. Rayle, Hutchinson, for \$3,500; Dandy Domino 108th, by Duttlinger Brothers, Monument, for \$10,150; TZ Zato Heir 40th, by Frank Blew, Inman, for \$35,000; BHF Proud Mixer 17th, by A. D. Rayle, Hutchinson, for \$20,000; RS Princes Mixer 15th, by A. D. Rayle, for \$3,500; CK Crusty 107th, by J. H. Moore, Salina, for \$10,000; HD Larry Domino L. 1st, by W. H. Tonn & Son, Haven, for \$3,600.

## A MASSEY-HARRIS SPREADER LET'S YOU

# Shift the Axle to the Load!



FAST-SHREDDING BEATER TEETH, super-strength to withstand frozen clods. Spiral-type distributor spreads the manure in a wide even blanket — no bare spots. You get more even crop stands, bigger yields.



BUILT-IN HITCH LIFT raises the spreader tongue to any drawbar height for easy one-man hitching to tractor — no lifting or skinned knuckles. Broad base shoe keeps hitch off the ground, out of the mud.

## Haul heavier loads over soft ground!

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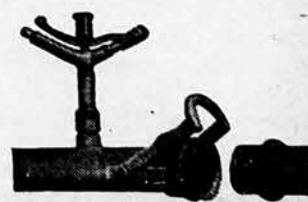
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# Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



READING AND BOOKS are important in the lives of Michael and Craig because their parents very early gave them books for both entertainment and learning. Mrs. Carol Cogswell, Shawnee county, is flanked by her sons, Michael, 10, left, and Craig, 3.

MR. COGSWELL also enjoys reading with and to his young sons and daughter, Gail, 12, who was at school. Their rural school checks out books from the Topeka Public Library which adds greatly to the size of the school library.



Photos by Gordon West of Kansas Farmer

## To Each, His Own Choice

By Zelia French

I COME from a "book readin'" family where an unabridged Webster's dictionary was standard equipment in the dining room. Practically every day someone called us on the telephone to find out something. At least once a year someone wanted to know how to spell charivari.

I suppose it is no wonder I turned out to be a librarian. My first reference room experience began, I now realize, with those telephone calls at mealtime. And then the neighbor across the street came in regularly to get material on alligators, the North Pole or chickweed for her youngest child's current school theme.

I did not suggest the public library to her, since I did not use it myself. I just looked until I found whatever she wanted. There was a set of encyclopedias with which we played train when we were young; my parents had taught everything from chemistry to English to type-writing. I can remember no startling failure in these first assignments. Unconsciously, I developed an "if you look long enough and in the right place, you will find it" philosophy.

Books went with us wherever we went. My sisters and I read "Les Miserables" while sitting on the bank of Hickory creek, fishing for mud cats.

One year I had to spend what seemed like interminable periods in a doctor's office waiting my turn. I was going thru the Langston Hughes, Joseph Hergersheimer and Sherwood Anderson stage and my mother read out loud to me all the time we waited. At one place in a Sherwood Anderson story, the electricity in a factory goes off just as a young girl screams,

"Kiss Me, Kiss Me," undrowned by the roar of the machinery. You could have heard a pin drop in that crowded waiting room.

The most fun I ever had with books was in a children's room and later driving a bookmobile up to one-room schoolhouses. One night I convinced a very doubtful little boy that he should check out "Little Pear" by Lattimore. The next afternoon after school, he came down the steps into the children's room 3 steps at a time and crash landed against my desk. "Gee," he said, "I'm glad you let me take Little Pear. I took it to school and the teacher is going to read it to all us kids." Gracious, I thought I had rammed it down his throat.

On the bookmobile one evening, a horde of children had trooped thru, but one older girl lingered, picking the books one after another off the shelves and putting them back. Finally I asked whether I could help. "The trouble with me," she said, "is that I do not like to read." Right at the moment, I thought, "wonderful, one less crowding our bookmobile when we stop here."

We were short of books and long on children at the time. But she went on, "I have a book at home I am trying to read for a book review and I might find something here I would like better." "You can certainly try," I said feebly. She picked out 3 books that time by an exacting formula only she understood and every time we stopped there with the bookmobile, she was there too, getting her 3 books, always the last to leave. I do not pretend to theorize; however, I imagine that was her first experience choosing books herself from a fairly delectable and enticing supply.

Parents who take the trouble to read out loud to their children get a double pleasure, it seems to me. There are many children's stories which parents and grown-ups simply can't resist. I knew a woman who apologized because she renewed "The First Story of the Whale," by Clark so many times. "It's my husband," she finally explained. "He thinks it's the funniest story he ever read and reads it over and over every night. Sometimes after the baby has gone to sleep to the third or fourth reading of it, he starts all over and reads it out loud to me."

Grown-ups show similar enthusiasm for the Doctor Seuss books. Then there are all the authors of adult books who have written stories for children. One of the most delightful of these which I did not discover until grown up myself is "The Magic Fish Bone," by Charles Dickens. He wrote the story for his children. One mellow considerably toward Oscar Wilde once he has read "The Happy Prince and Other Stories."

My reading has of necessity followed many and devious ways yet I constantly am amazed at the reading others do. The least we can wish as a heritage for any child is the chance to explore for himself the world of books, as none can be so poverty-stricken as the child who has not had a chance to read and decide himself whether he likes or dislikes Swiss Family Robinson, Heidi, Tom Sawyer, Pinocchio and all the others so dear to my heart, not so much because I'm a librarian but because I have read them myself.

Editor's Note: Miss French is Extension Librarian of the Kansas Traveling Libraries Commission, Statehouse, Topeka.



Pattern Variety



4564 SIZES 14½-24½

4564—Half-size fashion to make you look taller and slimmer. Sizes 14½, 16½, 18½, 20½, 22½, 24½. Size 16½ takes 3½ yards 39-inch fabric. Transfer included.

9256—Wrap-around dress, quick to sew, ties on in a jiffy. Sizes 12 to 20 and size 40. Size 16 takes 4½ yards 35-inch fabric. Transfer included.

9067—Pretty budget apron to make from remnants. Misses sizes, small (14-16); medium (18-20); large (40-42).

Small size takes 1½ yards 35-inch fabric and 1 yard contrast.

4587—Two dresses in pattern, puff-sleeved for now, sundress for summer. Panty included. Sizes 2, 4, 6, 8, 10. Size 6 dress takes 1½ yards 35-inch fabric; and ¼ yard contrast. Sundress takes 1½ yards 35-inch.

9202—Slender dress has contrast yoke, slit-shouldered sleeves. Sizes 34 to 50. Size 36 takes 3¾ yards 35-inch fabric; ½ yard contrast.

4848—Shirtrock has paneled-pockets. Sizes 14 to 20 and 32 to 42. Size 16 takes 4½ yards 35-inch fabric.



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		Town
		State

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

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### COFFEE-TIME CINNAMON ROLLS

It's no trick to shape these sweet rolls! You just cut them with a cookie cutter, dip them in sugar and cinnamon, arrange them double-decker in the pan.

**BAKE at 375°F. for 35 to 40 minutes. MAKES 1 dozen double rolls.**

**DISSOLVE** 1 package RED STAR Special active Dry Yeast (or 1 cake compressed yeast\*\*) in 2 tablespoons warm water (110° to 115°F.). **COMBINE** 2 tablespoons shortening, 2 tablespoons sugar, 1 teaspoon salt, 1/2 cup scalded milk. **COOL** to lukewarm by adding 1/2 cup cold water. **BLEND** in dissolved yeast. **ADD** 3 cups sifted Pillsbury's Best Enriched Flour; mix until smooth. **KNEAD** dough on lightly floured board for 3 to 4 minutes; place in greased bowl and cover. **LET RISE** in warm place (85° to 90°F.) until double in bulk, about 1 to 1 1/2 hours. **ROLL** out on lightly floured board to 1/4-inch thickness. Cut

into rounds with 2-inch cutter. **DIP** each roll in melted butter, then in mixture of 3 tablespoons sugar and 1/2 teaspoon cinnamon. Place twelve rolls in greased 9-inch round layer pan or 11x7x2-inch pan. Top with second layer of rolls. **LET RISE** in warm place until double in bulk, about 30 to 45 minutes. **BAKE** in moderate oven (375°F.) 35 to 40 minutes. Serve warm.

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

\*\*If compressed yeast is used, dissolve in 2 tablespoons lukewarm water.



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## To Prevent Quarreling . . .

### Respect Property Rights

By MRS. MARION QUINLAN DAVIS

**H**ERE is a question we received from a reader which we think may be of interest to many parents of young children. "What makes our 4 children fuss among themselves, mostly about their possessions? We have tried to see that their possessions are equally divided."

Mrs. Davis answers as follows: Quarrels and friction are as "normal" a part of the family picture as are affection and harmony. It is sometimes better to let the children rid themselves of hostilities and aggressions than to turn them in on themselves and so become sullen, resentful and self-pitying.

Harmony, however, is the goal of all families, and good parents study the home situation to eliminate as many causes of friction as possible.

The ideal situation in regard to possessions is for each child to have a room of his own. For most of us this is impossible. It is possible, however, for each child to have some corner of his own which is devoted solely to his personal property. There is some space, always that can be saved for each child, if we have the insight to recognize its necessity. The sun porch, used only for extra card tables, an unused double parlor or spare bedroom. Space in the attic or basement, some large storage closet or the seldom-used sewing room can be converted into the much more important medium of teaching property rights to children.

If the house has no such available space, each child can have a chest or a shelf or shelves (kindergarten children make their own) or even an upturned and hand-painted orange crate in a corner of his own.

Children cannot be expected to respect the property of others if they have no property of their own to respect and to be respected by other people.

Much confusion, quarreling and friction of the home is done away with when each child has a place for personal privacy, where he can keep his property and prized possessions. Play is a child's serious business and he resents infringements on his business and tampering with the tools of his business.

### Big Business—A Play

For something extra special in the way of a play we recommend "Big Business—or the Doings of the Culture Club." Written all in poetry and as a take-off on women's clubs. Characters: Mrs. Chairman, Mrs. Meek, Mrs. Broadbeam, Mrs. Chatter and Mrs. Hine Mighty. It is humorous and witty. Suitable for any size group. Write to Entertainment Editor, *Kansas Farmer*, Topeka. Price 10c a copy.

ness as earnestly, but more violently, than his father does.

We start teaching property rights to the crawler by saying "No, no! That's mother's vase. This is baby's block." Baby thinks everything he can reach belongs to him. He has no sense of property rights. When you try to retrieve the razor or the matches or scissors from him he thinks you are a robber and hangs on for dear life to his property. Offer him something to replace the object and praise him. Then you do not outrage his property rights and are teaching him co-operation at the same time.

Baby first learns of shared community property when mother lets him play with the pots and pans from the kitchen cabinet. They are more interesting always than his hollow blocks, because mother uses them.

Children up to school age like to do what grown-ups do, carry and wash dishes, open drawers, cut with scissors, wash, hang, fold and iron clothes, dig in the garden. In this way they learn to value and respect community tools and property. The time to teach a child to share property with other children is around the age of 3, when he is ready to co-operate a little and is beginning to enjoy playing with others. Then you can make a game of sharing toys and praise the sharer.

If the child of 1 1/2 to 2 1/2 years is forced to share, he is likely to bang the

### Have a Question?

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

other child on the head with the toy. He is not yet ready to be generous and is too young to learn. A few more months and he will learn to be generous.

Older children in the family should not be forced to submit to the vandalism of the younger brothers and sisters. Everyone should be taught that belongings are individual. "That is sister's doll, we will ask her if you may hold it," or "wait until brother comes home from school, then you can ask him if you may use his football. Tell him he can play with your building set."

If big brother demonstrates the handling and use of his football or bicycle to the younger child, they are less likely to be meddled with during his absence.

"Don't touch my doll!" screamed at a 2-year-old, is a challenge no self-respecting toddler can fail to accept. "Do you want to see sister dress her doll? You may hold her a little while," is an invitation to comradeship and co-operation.

### Praise When Generous

The older child should be praised when he is generous, but never forced to give up his possessions to the younger.

Children should never be allowed to rifle or even open their parents' dresser drawers without their permission. It is bad policy to say, "Get 50 cents out of my purse to pay the man at the door." Better have a policy, "Bring my purse to me, son." Children should never be allowed to meddle with other people's purses.

First time a toddler meddles with her toilet articles and jewelry box, mother can sit down quietly and take the things out for the child to handle under her supervision. She may pin brooches on his blouse and hang strings of beads around his neck. Then she helps and praises him when he replaces each article. This satisfies his curiosity and builds up confidence rather than rebellion and stubbornness.

If he persists in rifling and meddling, then he may be excluded from the room and the doors closed against him. The toddler has to learn over and over, in each different situation that the beads are mother's, the tobacco and razor are daddy's, the big doll is sister's, the bat belongs to brother and the toys in his playbox are for him.

Adults have no right to give away his property or let others play with it without his permission. Things that look like junk or scraps are of value to the child. When mother throws them into the trash, children (and husbands) always retrieve them when they can. Consideration for the rights of others goes hand in hand with training in courtesy, sincerity and citizenship.

### For March Parties

Our 3 leaflets may be helpful in planning your parties for March:

Games for March Parties—6 games and suggested menu.

Peggy's St. Patrick's Day Party—playlet of 8 characters; 7 old songs. Simple staging and very effective.

A Bit o' Irish Fun—good suggestions for invitations, decorations, refreshments and games.

Write to Entertainment Editor, *Kansas Farmer*, Topeka, and enclose 3c each for these leaflets.



## Notes from the BEET SUGAR KITCHEN

by Nancy Haven



## BRAN CHERRY-NUT Bread

Perfect for luncheons and buffets—this luscious loaf with a sparkling "crumble" top and a delightfully moist, chewy texture that keeps well. Make the topping first—then the bread.

**Cherry-Nut Crumble** Brown 2 tbsps. butter; remove from heat. Stir in  $\frac{1}{4}$  cup Beet Sugar,  $\frac{1}{4}$  cup nutmeats, 2 tbsps. cut-up maraschino cherries. Set aside.

- 1 cup all-bran (2 oz.)
- $2\frac{1}{2}$  cups sifted all-purpose flour
- $\frac{1}{4}$  cup Beet Sugar
- 3 teaspoons baking powder
- 1 teaspoon each salt, mace
- 1 egg
- 1 cup milk
- 2 tablespoons melted butter or margarine
- $\frac{1}{4}$  cup coarsely chopped walnut meats
- $\frac{1}{2}$  cup drained, cut-up (with scissors) maraschino cherries

- ☆ Mix all-bran with sifted dry ingredients.
- ☆ In small bowl beat egg slightly; add milk and butter or margarine; stir into bran mixture until moistened.
- ☆ Fold in nutmeats and cherries.
- ☆ Spread evenly in well greased, floured loaf pan (9x5x3-inches).
- ☆ Sprinkle the top with prepared Cherry-Nut Crumble.
- ☆ Bake in moderate oven (350° F.) about 1 hour or until toothpick thrust in center comes out clean.
- ☆ Remove from pan as it comes from the oven; cool on cake rack.

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**MUSTEROLE**

## Pie Baking Contest Opens February 4

During January 4-H Club girls were baking cherry pies to get in trim for the state contest which will be held in Manhattan, February 4, during Farm and Home Week. County winners will compete at that time and the state winner will get an educational trip to Chicago, where she competes in the 20th annual National Pie Baking contest to be held there February 21.

Last year, Carolyn Fields, Solomon, a member of the Willing Willowdalers 4-H Club, was chosen as state champion and made the trip to Chicago. Carolyn Peterson, Comanche county entrant, was alternate.

Each girl brings her own ingredients and equipment to Manhattan and bakes 2 pies. She then submits the pie she considers best to the judges. Five judges rank the girls on quality of pies, methods of work, poise and personality.

The contest will open at 8 o'clock the morning of February 4 in Calvin Hall, the home economics building on the campus.

## Quiz for a Party

If you were out on a limb and had to identify the tree before you could get down, could you? Names are hidden in the sentences, like this: He will own a big farm (willow).

1. I put the clothes to soak.
2. Lula shouted to the boys.
3. The road map led us home.
4. Elmer rode horseback.
5. Lucy pressed the clothes.
6. The chicken labeled, "Bantam A," raked in first prize.
7. She bought a lollypop, lard and some sugar.
8. She got a sugared gumdrop, too.

Answers: 1. Oak; 2. Ash; 3. Maple; 4. Elm; 5. Cypress; 6. Tamarack; 7. Poplar; 8. Red Gum.

## Community Entertainment

"Grandmother's Patchwork Quilt," is a playlet where Grandmother does all the speaking part. The remainder is pantomime. For something different, write to Entertainment Editor, Kansas Farmer, Topeka, and enclose 5c. Playlet is easy to present, little stage setting required and suitable for any time of the year in any community.

## Promenade All!



C7232

Do-si-do and away you go! Here is the cutest, gayest embroidery idea, ever. Use these square-dance motifs on kitchen towels or all round the hem of your new square-dance skirt. Easy to embroider. Pattern includes transfer of 6 motifs 7 by 9 inches.

Send 25 cents for pattern to the Needlework Editor, Kansas Farmer, Topeka.

# Betty Crocker FRIED BREAD STICKS



## EASY NEW RECIPE FOR Betty Crocker FRIED BREAD STICKS

1. Follow Betty Crocker's bread recipe (see recipe folder in 25, 50 and 100 lb. sacks of Gold Medal Flour).
2. Make your usual batch of bread dough (for 2, 4, 6 or 8 loaves). When dough is ready to shape into loaves, take out enough for one loaf and shape as follows:
3. Roll out  $\frac{1}{4}$ -in. thick into a rectangle, 8x12-in. Cut with a sharp knife into 1x3-in. sticks. Let rise until impression remains when dough is touched gently with finger... about 30 minutes. Drop into deep, hot fat (375°... 1-in. bread cube will brown in 60 seconds) in heavy kettle. As sticks come to the surface, turn over. Turn as often as needed to brown evenly and fry through (2 to 3 minutes). Lift from fat with spoon (do not prick). Drain on absorbent paper. While still hot, dip in a mixture of  $\frac{1}{4}$  cup sugar and 1 tsp. cinnamon. Or sprinkle with poppy seeds, garlic salt, sesame seeds and/or coarse salt. Makes 30 Delicious Fried Bread Sticks. NOTE: If sesame and poppy seeds do not stay on, brush sticks with small amount of water.

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... and for do-si-do and promenadin', make this billowy, full skirted square dance fashion with only five 100 lb. Cotton Bags!



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### Roosevelt and Hopkins

By many critics this book is considered the most important inside story of the war in one volume. It is simply a report of the life of Hopkins from birth to death, and the relationship he

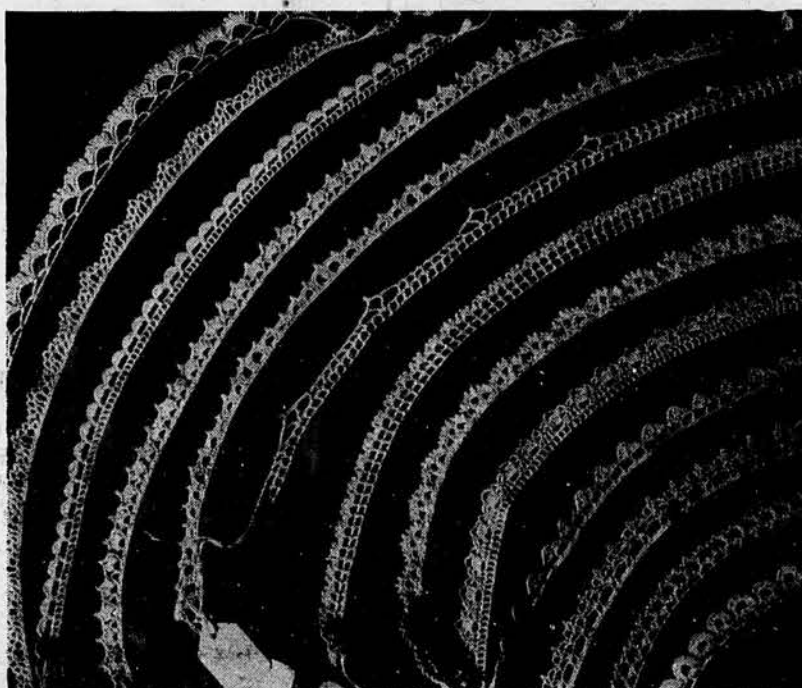
had with Franklin Delano Roosevelt. Details are given of the world-famous conferences in London, Moscow, Tehran, Yalta.

Robert E. Sherwood is the author, creative writer, 3 times winner of the Pulitzer prize for drama. "Roosevelt and Hopkins" is published by Harper and Brothers, New York City. See your nearest public library or bookstore.

### The Cat That Went to College

A new book for the 6- to 12-year-olds. "The Cat That Went to College," by Frances Frost is new, well-illustrated and will please both boys and girls. It's the story of a homeless tiger kitten that was adopted by a couple of college boys and made his home on the campus. This new book may be bought at your favorite bookstore or may be found at your library. Published by Whittlesey House, McGraw-Hill Book Company, New York City. Cost \$2.

## Edgings in Variety



Selection of easy-to-crochet edgings. Send 5 cents for leaflet No. 9163 to the Home Service Editor, Kansas Farmer, Topeka.

## Night Coughing Quickly Relieved by Home Mixture

Saves Big Dollars. No Cooking.

This splendid recipe is used by millions because it makes such an effective medicine for coughs due to colds. It's so easy to mix—a child could do it.

From any druggist get 2½ ounces of Pinex, a special compound of proven ingredients, in concentrated form, well-known for its soothing effect on throat and bronchial irritations.

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

Put the Pinex into a pint bottle and fill up with your syrup. This makes a full pint of cough medicine, very effective and quick-acting, and you get about four times as much for your money. It never spoils, and children love its pleasant taste.

This cough syrup takes hold of coughs, giving quick relief. It loosens phlegm, soothes irritated membranes, helps clear air passages. Money refunded if Pinex doesn't please.

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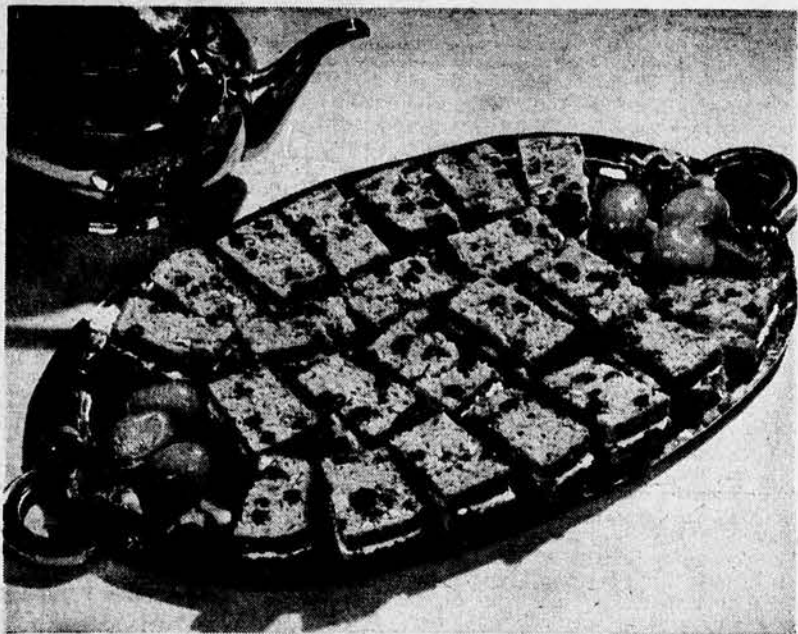
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## The Recipe Corner



PANCAKE MIX is the basis for orange-nut bread. It keeps well, stays moist.

Orange-Nut bread more than lives up to its name as a quick bread. Pancake mix is the basis, thus eliminating extra sifting. Once baked it keeps well, stays moist and fresh.

### Orange-Nut Bread

- 1 egg, beaten
- 1 1/2 cups milk
- 1/2 cup brown sugar
- 1 1/2 cups pancake mix
- 1 cup quick rolled oats
- 2/3 cup raisins
- 1/2 cup nuts, chopped
- 2 teaspoons grated orange rind
- 2 tablespoons melted shortening

Combine egg and milk. Add sugar and mix. Add ready-mix, stirring lightly. Mix in rolled oats, raisins, nuts and orange rind, stirring only enough to combine. Fold in melted shortening. Bake in greased paper-lined loaf pan in a moderate oven (350°) about 1 hour. Store in breadbox 1 day before slicing.

### Apple-Cottage Cheese Salad

- 2 chilled apples
- 2/3 cup diced celery
- 3 tablespoons sliced stuffed olives
- 3 tablespoons French dressing
- 1 1/2 cups cottage cheese
- lettuce

Coarsely dice unpared apples. Combine with celery, olives and dressing. Toss well. On each bed of lettuce on the salad plate, arrange 1/2 cup seasoned cottage cheese. On each, heap some of the apple mixture in center. Makes about 4 servings.

### Apple Snow

- 1 1/2 cups unsweetened applesauce
- dash nutmeg
- pinch salt
- 1 teaspoon vanilla
- 2 egg whites
- 1/4 cup sugar

To applesauce, add nutmeg, salt and vanilla. Beat egg whites until they stand in peaks when beater is lifted. Then add sugar gradually, while continuing to beat until stiff. Fold into applesauce. Chill. Serve plain with cream, or with custard sauce. Makes about 4 servings.

### A Different Program

An unusual program may be presented by any club or group using as the theme, "An Anniversary Centerpiece." This leaflet requires the president or program chairman and 10 additional women, each representing an essential character necessary to forming a lasting organization. Club women will be interested in this playlet. Write to Home Editor, Kansas Farmer, Topeka, for a copy of the leaflet. Price 5c.

### Use Steel Wool

Ever clog the drain by shampooing your hair in the lavatory or shower? Try stuffing a piece of steel wool in the drain beforehand to catch the stray hairs.

## ♦ The Poet's Corner ♦

### I Remember

Riding in a shiny hack  
Behind a prancing team,  
The scents and sounds of town.  
Eating ice cream.  
Helping with the milking,  
Washing at the creek,  
Dancing to father's fiddle  
And playing hide and seek.  
—By Mary Holman Grimes.

### My Daughter Is a Fairy

My daughter is a fairy,  
The leprechauns have made  
Her boots of flower petals,  
To dance upon the glade.

My daughter is a fairy,  
Her hair is fairy lace;  
Down elfin lanes the dewdrops  
Are mirroring her face.

She loiters in the brambles  
To touch each pretty thing;  
Then wonders why we gossip  
When she would rather sing.  
—By Mary Alice Holden.

### Winter Sunset

A rosy glow is on the world this hour  
On people coming home from work,  
On snow-clad trees and lamb's-wool  
clouds

And all of nature's handiwork.  
Windows hold a friendly gleam  
Bewitched with color, while each roof  
Is like pink topping on a cake;  
And not one object holds aloof,  
But stands in color unified  
In gentle symphony of tone,  
Until the rosy glow is gone  
And darkness settles down alone.  
—By Mary Holman Grimes.

### Perfect Retort

I ring a bell for friends who tell  
Me often of my graces,  
And sing a song the whole day long  
To see their smiling faces;  
But when they're rude and would intrude  
Into my conversation  
I frown and say, "My friends, today,  
"You act like my relation!"  
—By Ann Williams.



Likes fast rising, fast dissolving Dry Yeast

## Young Mother Wins Cooking Sweepstakes at Kansas State Fair

Little Tommy and Susan admire Mother's blue ribbons at their home in Hutchinson, Kansas. Mrs. J. R. Glass has been entering cooking contests at the Kansas State Fair for five years now and has every right to be proud of her prize record. Last year she won four firsts, a second—and a much-coveted sweepstakes award!

Mrs. Glass is another of the many prize-winning cooks who swear by Fleischmann's Active Dry Yeast. "It's grand for a busy mother like me," she says.

"It dissolves in a jiffy—and rises so fast. I always keep a supply of this speedy Dry Yeast on hand."

It's hard to beat the rich flavor and goodness of yeast-raised treats . . . they're so nourishing, too! When you bake at home, use yeast. And use the best—Fleischmann's Active Dry Yeast. It's so fast and so easy to use! Just add to warm water, stir until dissolved—and it's ready. For grand results every time, get Fleischmann's Active Dry Yeast.



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410 Elm St. Shenandoah, Iowa

## Personal To Women With Nagging Backache

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

Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!



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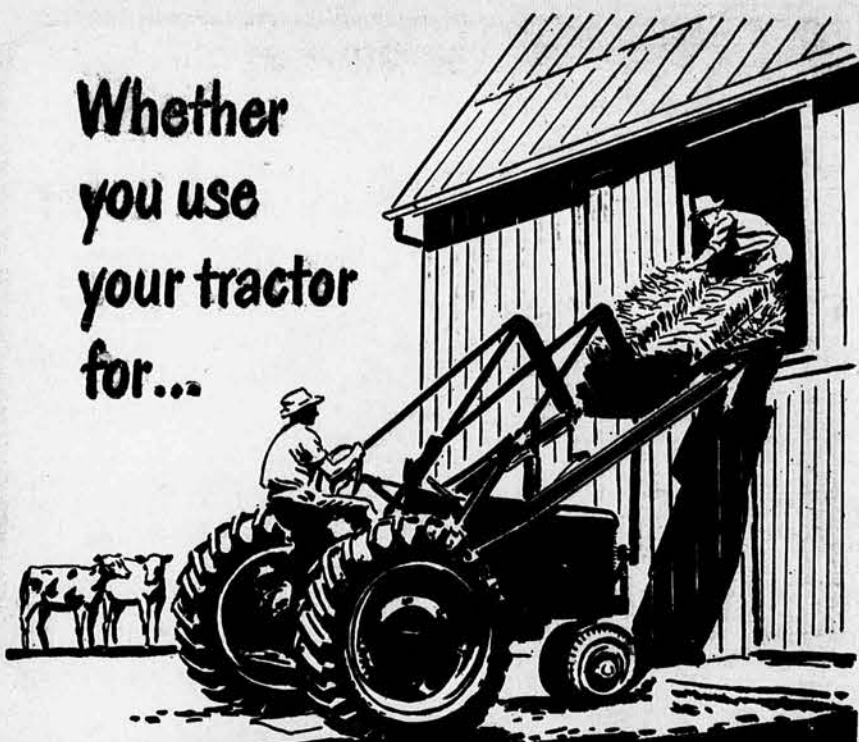
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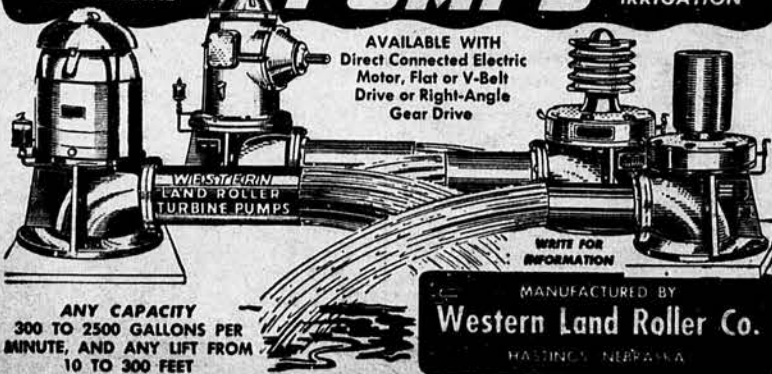


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## More Beef to the Acre

(Continued from Page 6)

investment, in normal times, you could buy 200 head of 400-pound calves. Just by roughing them thru the winter and grazing the calves in summer you can account for an average gain of 1 pound a day. That would amount to 73,000 pounds of beef for the same investment.

Apply present-day prices in that same formula and the same conclusion results.

Where sufficient cropland is available to supply winter feed, these men are pointing the way to higher income, more beef from the same acreages. In those areas of the Flint Hills where there is mile after mile of just hills and grass without cropland between the hills, summer pasture still is the best bet. And that continues to mean much absentee ownership, much leasing of pasture for out-state cattle shipments.

In those areas where little but bluestem grass can be produced, wintering means holding fall weights on cattle until spring pasture arrives. Little winter gain can be shown.

### May Mean a Change

There may be new things coming to change that if experiments managed by M. V. Hall, Hiawatha, on Nebraska sandhill pastures, will apply to the bluestem region of Kansas. Very little if any gain could be registered on fall-weaned calves by feeding native hay and 1 to 1½ pounds of protein supplement, Mr. Hall reports. Calves last spring looked about 100 pounds heavier than normal, he says.

Used to produce the gain was a special mineral-vitamin-protein supplement cube. A soil test was used as a basis for developing the experimental cube. The soil was found to be quite low in phosphorus. That provided the starting point. With a combination of

3 protein supplements as a base (cotton seed cake, soybean meal and linseed oil meal, they developed a cube containing added amounts of phosphorus, calcium, several vitamins and some trace minerals.

This cube was fed at a maximum rate of 1½ pounds a day. (They started with ½-pound a day.) The cubes were just spread on the grass and the calves would come running to pick them up, Mr. Hall states. At any rate the calves gained weight last winter, about 100 pounds more than usual.

The eastern half of Kansas is naturally deficient in phosphate. It may be some such development will change conditions of bluestem wintering. But that remains to be seen.

### Take Better Care of Pastures

There are those who will argue that carrying capacity of the bluestem pastures are lower than they were 30 to 40 years ago. Stocking rates were heavier then, but men like Wayne Rogler, Chase county, point out that ranchers and landowners are more conscious of overgrazing now than they were some years ago. In other words, they just aren't putting as many cattle on as they once did, because they are trying to take better care of pastures.

The old burning question still is controversial. Ranchers don't doubt that a pasture will produce more feed if it isn't burned. But how well cattle do on burned pastures in comparison with unburned is another story.

Deep in the hills things haven't changed greatly. The western saddle still is an everyday necessity. Bluestem grass still is king. But all around the edges and even into the hills where some cropland is available, changes are being made. And it seems evident that more beef from the same acreages will be the result of those changes.

## Better Wheat, Better Market Are Wheat Council Wants

THE Kansas Wheat Quality Council, representing 26 organizations in the state vitally interested in improving the wheat crop and market, called for large-scale research in solving the storage problem of excess moisture. Council members say this is the basis for the 2 next most serious storage problems of insect damage and micro-organism growth. The council at its annual meeting in Topeka, January 17, recommended that this research be done by an independent research organization with trained scientists in the fields involved. An estimated \$50,000 was given as the cost for the first of 3 years of proposed study.

Charles N. Kimball, Midwest Research Institute president, offered his organization's services as the research promoter.

Millions of bushels of wheat were lost last year, not just by floods, but in storage on farms and in elevators, chiefly thru insect damage, Dr. H. E. Myers, head of the Kansas State College agronomy department, said.

O. H. Day, Butler Manufacturing Co., reporting on storage problems said several Midwest colleges are independently doing some research on wheat storage problems.

### Should Study Marketing

In addition to storage problems, the research group should study some of the economic and marketing aspects of the industry, George Montgomery, K-State economics department head, suggested. An eventual change in our subsidy program, with marketing to quality-conscious foreign buyers, will present a problem, Mr. Montgomery cited as one example.

"The Kansas wheat crop averaged 435 million dollars in the years 1946 to 1950 inclusive," Herman A. Praeger, council president, said. "Last year the value dropped to 271 million dollars because of a short crop, but it's still big business."

"It's so big that when production drops or rises only one per cent, it makes a difference of 4 million dollars in the farm income of our state."

"One of our major problems," he said, "that of keeping stored grain in good condition, inspired the organization of this group 2 years ago. Our first project was a campaign to clean up

what had become a rather bad situation in storage and handling our biggest crop. I believe we can all agree the campaign was successful."

He praised groups which have been instrumental in obtaining funds for wheat research and stressed the need for an expanded research program.

Also reporting at the meeting was a committee headed by Jess Smith, Kansas Wheat Improvement Association, on weevil and rodent control. The committee suggested a survey of the farm pest control program and establishment of a weevil- and rodent-control demonstration area.

L. L. Longsdorf, K-State Extension editor, emphasized the work of the press in disseminating pest control information.

### Room for Improvement

Samuel Alfend, U. S. Food and Drug Administration, said Kansas is a leader in weevil and rodent control, but a large per cent of Kansas wheat reaching millers is contaminated. Cleaning will remove outside insect contamination but only one third of the internal infestation, he said. The Food and Drug Administration hopes to raise the level of sanitation in Kansas mills even higher, and will prosecute elevator operators who continually handle bad wheat. If all elevators will fall in line, those selling infested wheat will find no market for it, quality will rise, and the price for good wheat will be where it should. It's just a matter of education, he said.

Dr. A. D. Weber, assistant director of the Kansas experiment station, summarized the meeting saying the council's quality education program must be continuing. He also said a committee of experiment station scientists of the North Central states is ready to carry on wheat research as soon as funds are available. Professor Montgomery is to head this program.

### New Agronomist At Hays Station

Employed as associate agronomist for the Fort Hays Experiment Station is William M. Phillips, formerly of Newton. The appointment is effective mid-January. Mr. Phillips has been doing experimental work in Texas.



## A Most Important Building

(Continued from Page 1)



**RUBBER TIRES** were mounted on side-delivery rake. When small rubber tires were placed on rake, size of drive sprocket had to be reduced. Mr. Abels used a wheel cutting jig for this operation.

many as 90 veterans receiving this training in farm mechanics under his supervision. Classes for these men were held in the Clay Center high school Vocational Agriculture shop on Saturdays. Mr. Abels worked in close cooperation with Ray Morrison, Vocational Agriculture instructor, providing shop training for these men.

Many of these young men developed mechanical skills, and at the same time constructed usable equipment for their home farm operations. Some typical shop jobs completed were converting steel wheels to rubber, adapting horse-drawn or obsolete tractor equipment to fit the tractor on the farm, and building livestock equipment. Many of these students repaired everything from the kiddies' tricycle to the kitchen sink.

Skill in cutting down steel wheels and mounting rubber is a specialty Mr. Abels developed in his farm shop during World War II. There are 72 rubber-mounted wheels on farm equipment used on his farm. Forty-five of these wheels were cut down with his equipment. He has developed a jig for this operation, using several cream-separator bowls. He states the veterans use this same jig in their shop program on Saturdays, and as many as 4 to 6 wheels were cut down in preparation for mounting rubber during one shop period.

The farm shop building on the farm is a wood structure 20 feet wide and 36 feet long. It is located in the center of the farmstead so it is easily accessible for all types of farm machinery. The shop has a complete line of equipment. An interesting feature about this equipment is most of it was purchased secondhand and was reconditioned and adapted for use by Mr. Abels. Shop equipment includes electrically-operated forge, trip hammer, heavy-duty grinders, drill press, hydraulic press, milling machine, oxyacetylene generator, arc welder, air compressor, radio and stove. In addition there is a complete line of hand tools acquired during the last 20 years.

A radio in the farm shop sounds

like a luxury. Mr. Abels thinks it is one of the most important pieces of shop equipment. When he is busy on the farmstead he often steps into the shop to pick up the latest market report or weather forecast. During winter he spends several evenings working in the shop. Of course the heating stove is important.

During summer the shop is used for maintenance and repair activity. Last summer Mr. Abels redesigned his self-propelled combine rear-wheel assembly, so he could operate his combine in the wet harvest field. The 2 small narrow wheels were replaced with a front axle from an old tractor. He also added a third wheel to the dual wheels on the combine.

Winter finds Mr. Abels doing most of his construction work on equipment to be used in operating the farm. Projects observed are such items as baled-hay elevator, tumble bug, manure loader, trailers, wagon hoist, and a tractor rear-mounted sweet clover windrower.

Henry Abels feels a young man who intends to farm should make every attempt possible to develop his mechanical ability. There is a great deal of evidence the farm shop has contributed towards the success of farming on the Abels farm. Many veterans and the young farmers who have had opportunity to work under a farm mechanic consider themselves fortunate.

—By Harold Kugler.

### Heart Fund Aids Research

Since its beginning in 1949, the Kansas Heart Association has organized 7 county chapters and continues its 3 principle purposes.

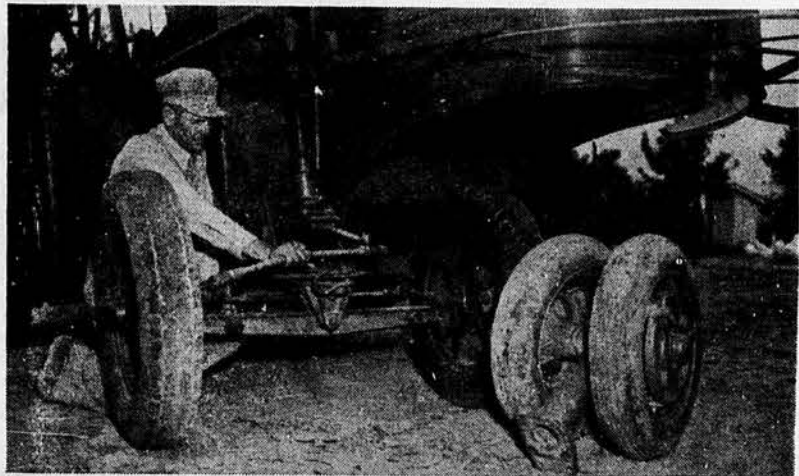
Research, education and community service are the 3 fields of activity of this organization on heart disease. Grants are made by the American Heart Association for research on heart disease,

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for  
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**AMERICAN HEART WEEK**  
FEB. 10-16

and in Kansas, the University of Kansas has received \$20,000 in the last 2 years. In the community service activity, the Emporia Regional Heart Association Diagnostic Clinic is an example. The educational activity includes aiding both the doctor and the layman with information.

Mrs. John C. Nelson, Topeka, is the State Heart Fund campaign chairman this year. Goal for the state is \$80,000. When a dollar is given to the Heart Fund, 25 cents goes to the American Heart Association, and into research and publication of educational literature. And 75 cents is used in the state in the 3 phases of activity already mentioned. Information may be obtained by writing to Kansas Heart Association, Masonic Temple Building, Topeka.



**USE OF REAR-WHEEL ASSEMBLY** on self-propelled combine made it possible for Henry Abels to continue harvesting when ground was wet. Discarded tractor front axle assembly equipped with 700x20 rubber tires was used to replace standard rear wheel assembly. A third wheel was added to the 2 front-wheel dual assemblies.

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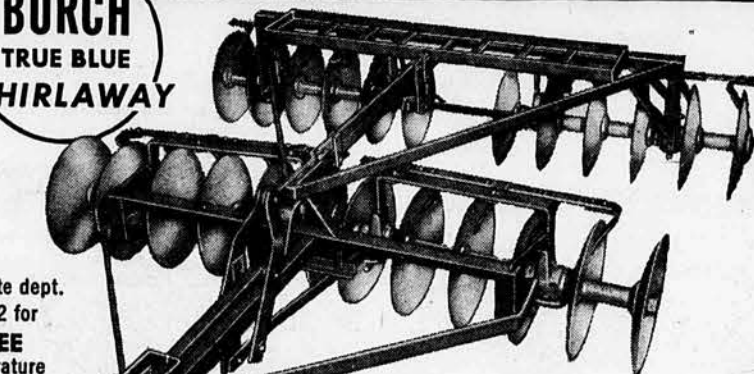
## The Livestock & Classified Departments

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## Does Land Stay Wet?

(Continued from Page 5)

district all the way," says Howard Carey, of Hutchinson, treasurer of the district's board. "Under the state law," he says, "the county builds the bridges and culverts that are over 4½ feet long."

"Our commissioners knew they would have some extra bridges and culverts to build. But, since adequate drainage would reduce road maintenance costs, they favored a drainage district. Our county engineer also supported the idea of a drainage district."

Design of the drainage system was handled by the Soil Conservation Service technicians and construction was done by contracts. Farmers are well along with construction of field laterals, for which they pay individually.

Every farm in the drainage district has a complete conservation plan, and laterals are being built exactly as planned. They serve to remove both surface and subsurface water, since keeping the water table down is as important as draining surface water.

### Held Costs Down

Farmers in the district co-operated by granting rights-of-way for nominal fees. Little money had to be spent except for actual construction.

"We issued only \$16,000 in 20-year bonds for construction of the system in the original 3,840 acres," says Mr. Carey. "Besides the saving in expense on the rights-of-way, we also saved money by not having to assess benefits. Every man pays a uniform rate per acre on land he has in the district. They wanted it that way."

"Cost of drains and structures built," he continues, "amounts to a little less than 50 cents an acre a year during the life of the bonds. That will pay the interest and repay the borrowed money. A farmer in the district needs to raise only 30 more bushels of wheat per quarter-section, at present prices, to meet this payment."

Already, the drainage system has shown results in bringing land back under cultivation, and in making it possible to restore abandoned land to production. Correction of the alkali situation, however, will take time.

Clarence Hobbs, farmer in the district, says his main trouble in the past has been standing water in low areas. Even in years of low rainfall he had to farm the low areas separately. In wet years his crops there were badly damaged.

"What a pleasure it is to be able to work all your farm at one time," says Mr. Hobbs.

Mr. Strickler reports his dairy herd was the thing that kept him going in recent years. "Some of my land was really wet," he says. "Until the drains were built, I raised only one winter wheat crop in 4 years. On another field I've not been able to raise a row crop for 10 years. My alfalfa has become poor because of the high water table and my pasture has been hurt."

"Now with the main drains built, I've built the laterals in my north field and get crops there. I'll get the other laterals finished as soon as I can. Results already show drainage pays well."

On the Carey farm last summer, Mr. Carey noted a peculiar thing. "Altho my laterals were built over a year ago," he says, "they were still running water even tho we hadn't had rain for quite a while. That was subsurface water they were intercepting."

Farmers recently added to the drainage district still have the work on their lands ahead of them. The main drain was completed in October, 1951. These farmers joined, however, because they saw what the drainage was doing on other farms.

### Neighbors Work Together

"To get the best out of a drainage district, like anything else," Mr. Carey sums up the situation, "requires co-operation among neighbors. Not in just organizing the district and building drains. Frequently, the best way for one farm to reach the drain is across another's land. It's my idea those neighbors should work together."

"In my experience I ran into this very problem. A neighbor farmer has a 40-acre field that can best be drained by crossing one of mine. We had the Soil Conservation Service technicians map out where his field water should go. Then I let him cross my place on that line. As a result we both benefit. I know he has better drainage and I'm better satisfied because he has no water impounded next to my field."

It is entirely possible that the Grant Township Drainage District may eventually include most of the originally proposed area. If it does it will be due to co-operation—among neighbors, the drainage district, the Soil Conservation district, and the county commissioners—working for the common good of all.

## Without Right Seed Garden May Fail

By WILLIAM G. AMSTEIN, Kansas State College

SEED purchases for the 1952 garden will be made in the next few weeks. In many ways it is one of the most important parts of our garden program. Yet, far too many gardeners do not spend enough time planning their garden before making these purchases.

Some items to consider are quality of seed, germination, adaptation, resistance to disease as well as quantity of seed of each type needed. Seed should be considered on the basis of its probable value to your location rather than considering price alone. Many firms make a specialty of supplying high-quality, adapted varieties of seed. Other firms usually just have seed for sale. A little extra time spent deciding upon your seed and variety needs, then locating your better sources of supply, are of great importance.

You can put a lot of hard work into your garden next summer. However, a little of this effort spent now in selecting seed should give you much better returns for your time next summer.

It is a problem for many of us to determine what is good variety of seed or where it is available. There are many claims made. If your experience lends support to these claims, very well. Otherwise, reserve judgment on some of them.

A knowledge of the source of seed is important. Most automobiles or trucks we have today are assembled from firms specializing in the manufacture of certain of these parts. The seed business is somewhat the same. Actually, very few vegetable seed firms grow all the items they distribute. Much of the seed is grown for them on a contract basis. There are certain areas where the best bean and pea seed is produced.

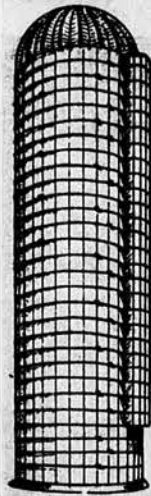
California and Idaho are usual sources for these 2 items. Many seed firms will have more than one source or contract for each variety for several reasons. They may have supplied the foundation seed stock to their growers. However, by care in selection of growers or jobbers, they are able to maintain a regular supply of high-quality seeds of desired varieties.

Occasionally the supply of a certain variety may have been cut short by some weather hazard. Some firms value their customers' trade acceptance of it so highly they do not attempt to substitute unless you request it. Every good lot of seed has some code identification with it. This serves to identify it for seed firm and dealer as well.

In most seed stores and in seed catalogs there are too many varieties offered. Yet, pruning this list down to a satisfactory number is quite a problem. Some varieties have come to be known by several names in different communities. John Baer, Chalk's Jewell and Bonny Best are 3 tomato variety names that today are quite often considered as one. You may notice 2 or 3 of these names listed on the package. Today, less misnaming or renaming of varieties is practiced.

Adapted varieties of disease-resistant strains should be obtained where possible. Certified seed is a desirable answer where it is available. Gardens are a useful item. We can help make them most successful by use of varieties that belong in our area. Your reliable seed dealer is eager to help you with this choice. Our widespread reading may bring to our attention many fine varieties that have little local value when planted in many sections.

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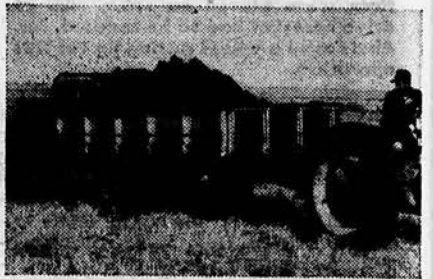
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First in farm materials-handling



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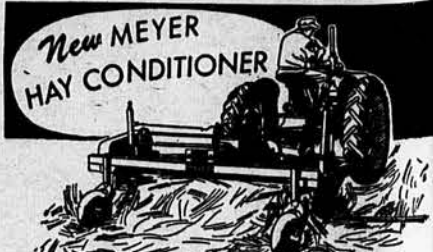


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WHERE OTHERS  
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NEWTON, IOWA



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By PACKING Ground Firmly After Plowing Stalks Under. 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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CONCRETE STAVE  
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QUALITY

... in production  
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An Early Order  
will Assure you  
of a Silo.

**McPHERSON**  
CONCRETE PRODUCTS CO.  
McPherson, Kansas

## Solve Some Corn Grinding Problems

Using a crusher and small hammer mill offers a very good solution to the problem of automatic ear-corn grinding. Kansas State College and the Kansas Committee on the Relation of Electricity to Agriculture co-operated on a research project to find a practical solution to the ear-corn grinding problem.

It was found that crushing corn before grinding decreased the labor requirement and made a marked increase in the capacity of the mill. A crusher was installed in the bottom of an overhead bin in a farm granary. A hammer mill was installed directly below the crusher and V-belt drives were arranged so the crusher and grinder could be driven from the same 3-horsepower motor. The grinder was equipped with a blower which was used to elevate ground feed to a storage bin.

A report on the studies is included in the recent issue of Electricity on the Farm magazine. Full details are obtainable from the agricultural engineering department at Kansas State College.

## Announce Two New 4-H Programs

A national 4-H entomology awards program and a national 4-H bread demonstration competition have been added to national 4-H awards programs, to stimulate activity in those fields.

According to the State 4-H Club Office, Manhattan, the entomology program sets up county and state awards. Twelve educational trips to the National 4-H Club Congress in Chicago will be made to sectional winners. Six national winners will receive \$300 college scholarships. Donor is Hercules Powder Company, Wilmington, Del.

In the bread demonstration activity, donor of awards is Standard Brands Incorporated, New York, N. Y. To the individual state winner goes a \$50 savings bond, or to demonstration team.

## Sheep Numbers Decline Greatly

Numbers of sheep and lambs on feed for market in Kansas are estimated at 179,000 head by the U. S. Bureau of Agricultural Economics and the Kansas State Board of Agriculture. This total is 58 per cent less than a year ago, and lowest since 1925. Principle reasons for the decline include loss of feed lot facilities due to the great 1951 flood and the smaller corn crop.

Numbers in Western Kansas were set at 95,000 compared with 210,000 a year ago, and the peak of 900,000 in 1947. Numbers in commercial feed lots and farm feeding were at a low level, being estimated at 84,000 compared with 98,000 a year ago.

## Two Win Chicago Trips

Two Kansas 4-H Club members earned a trip to a Chicago meeting, as state winners in the 4-H grain marketing program. They are Peter H. Dalquist, Garfield, and Jack W. Grier, Pratt.


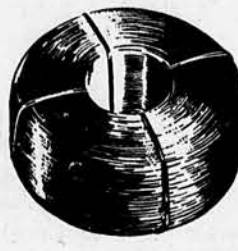
The trip was a 2-day visit, and state winners were guests of the Chicago Board of Trade, who made the awards.

## Lemon and Salt Cleans


For stained aluminumware rub with a cut lemon dipped in salt. It will make aluminum bright and shiny again.—Mrs. F. T. W.



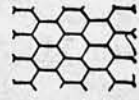
"It's good entertainment but it'll never replace the party line."


# baling wire




CLINTON WELDED  
WIRE FABRIC



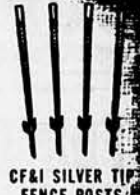
COLORADO LOK-TWIST  
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Speculating  
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Should you make a will? If so, when? Should it be written? Should witnesses be present? Is it necessary to have a lawyer write your will? What will happen to your property if you die without a will? Where should your will be kept after it is written and signed?

### FREE BOOKLET

These are a few of the 50 questions concerning the making of a will all of which are answered correctly in a booklet you may have free with the compliments of the Capper Foundation. Ten thousand other people have asked for and received copies. The booklet contains a blank "will form" on which you may write your own will.

It is of special interest to persons who expect at some time to make a bequest to charity.

**Send Coupon Today**

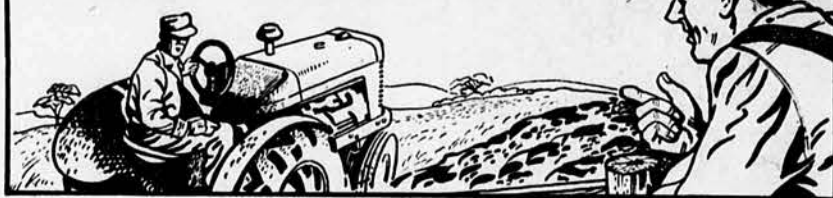
The Capper Foundation for Crippled Children  
8th and Jackson Sts., Topeka, Kansas

Please send me a free copy of the booklet, "Your Will," without obligating me in any way.

Name .....

Address .....

## Have You Heard?



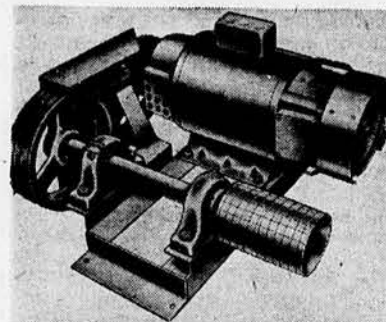
### Notes on New Products and Folks Who Make Them

**ALPROD CO GATES** will hold any kind of livestock or farm animals, says the manufacturer, Alproco, Inc., Kempton, Ind., and Mineral Wells, Tex. They announce a new aluminum farm gate that will last a lifetime, and is guaranteed for life against warping or sagging. The gate is light in weight, easy to handle, light on the hinge post.

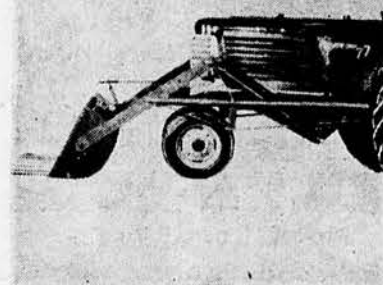
**Economy Model Stand-By A. C. Power Insurance Generator** is introduced by Wincharger Corp., Sioux City, Iowa. The model is a simplified, low-cost version of the Deluxe 3,000 Watt Stand-By Generator introduced in 1950.

tip control. An exclusive feature is its caster and spring-mounted coulter disc with 3 possible adjustments for depth control. The reversible tooth is made of tough, high carbon steel for wear and shock resistance.

"Big Buck" is a new tractor loader, made by Henderson Mfg. Co., Cedar Rapids, Iowa. "Big Buck" Hydraulic



Powered by tractor, the unit can be put into operation in a few minutes in case there's an interruption of electric power line service. The unit provides a continual source of power for electric pumps, lights, refrigerators, automatic furnace, stock waterers, bathrooms, and many other appliances.



Loader features twin double-action hydraulic cylinders which give pressure up and pressure down for sure control of loader and attachments. "Big Buck" is complete with round replaceable tine-teeth bucket with removable dirt plate. The loader is available for most row crop and standard-type tractors. Several attachments also are available.

Gas-treated grass silage is a new boon to agriculture. Ansul Chemical Co., Marinette, Wis., reports only 5 or 6 pounds of liquid sulfur dioxide are needed for each ton of grass. Chemical is shot into the ensiled crop at 2-foot

"Poultrymen Will Pay Less for hybrid chickens in 1952," says Ames In-Cross, producer of inbred-crossbred poultry. At the same time they announce they have started large scale marketing of a chicken that's a cross of inbred lines and produces a white egg. The bird is a new product of the firm's breeding program. "Consumers in many areas, especially in the East, pay premium prices for white eggs."

Elastrator ring can be used for de-horning dairy heifers, yearling bulls, goats, and for castrating rabbits and dogs. The California Wool Growers Association says horns on animals fall off in 3 to 5 weeks.

With present labor shortages likely to become more acute in the months ahead, need for laborsaving barn equipment is increasing. Farmers with laborsaving equipment will be able to give their herds better care. According to the Barn Equipment Association, Chicago, barn-equipment manufacturers are making every possible effort to continue production of sanitary steel equipment.

Century's new "A-1" sprayer is an all-purpose sprayer, adaptable to use with one or 2 barrel mountings. The 2-barrel mounting affords 55- or 110-gallon capacity. Boom lengths of 21 or

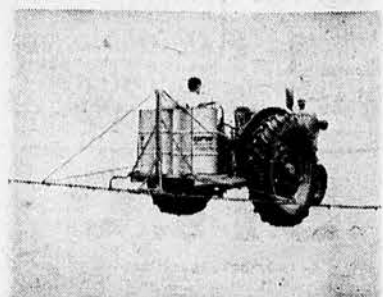
intervals at a 5-foot depth. Extensive tests in several states show there is negligible loss in nutritional value after 6 months or more of storage.

**American Safflower Corp.**, Longmont, Colo., announces reopening of their Safflower processing plant at that city. Production includes industrial safflower oil and valuable high-protein safflower feed. The corporation has close working agreements with the Safflower Enterprises of Kansas and other growers' associations.

**Harry Ferguson, Inc.**, of Detroit, has a new implement adapted to a wide range of agricultural and industrial uses. It's a new, extra-rugged subsoiler. They say this new, deep-tillage implement will penetrate 18 inches deep. It is readily attached to the Ferguson System linkage and working depth is adjusted from the seat of the tractor by means of finger-

28 feet permit full coverage of either 6 or 8 rows. Row spacing may be adjusted from 36 to 40 inches.

**Coryza Tablets**, say Dr. Hess and Clark, Inc., Ashland, O., are used to medicate poultry drinking water, with advantages over medication thru feed. Active ingredient in the tablets is sodium sulfathiazole.







**The New VULCAN Portable FRICTION DISC SHARPENER**

Sharpen your own disc on the farm without taking it apart. One man can do the complete job in less than one hour.

**\$34.95**

This new sharpener operates from any farm power. Revolving disc slowly turns emery wheel giving a keen edge without taking temper out of the steel. Anchors firmly in the ground and fully adjustable for smooth precision grinding.

Saving from less than three of the usual custom sharpening jobs will pay for this tool. Order today or write for free descriptive folder. Immediate delivery. Shipment prepaid on cash orders. Fully guaranteed against defective materials and workmanship.

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**Now! Ready-Built Presdwood Poultry Houses**

Precision-built with rugged Masonite Tempered Presdwood on strong wood framing, it's 12 feet wide by 12 feet long. You can make it longer with extra four-foot sections. With a helper you can assemble it completely in one day.

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Insure your needs for '52. Write at once for details.

**RADCLIFF SILO COMPANY, INC.**  
Box 83 North Topeka, Ks. Box 183 Boonville, Mo.

## What Voters Will Decide

By CLIF STRATTON  
Kansas Farmer's National Affairs Editor

SO FAR as agriculture is concerned, this session of Congress will be an investigative session, rather than a legislative session. Above all, it will be a political session. The November election may decide whether the United States of America will be a nation, a nation within a group of English-speaking nations (perhaps a part of an English-speaking empire), or, down the road, 7 per cent of a world government; a world government in which the 7 per cent population is to produce one half of the goods for the world and pay one half or more of the taxes necessary to support the world government.

Necessarily, a world government will be a slave government. Only a brutal dictatorship could be capable of operating successfully a world government in which the white races would be the small end of a black-yellow-red-white conglomeration of peoples.

Brunt of the congressional agricultural investigations will be immediately the Commodity Credit Corporation; finally the PMA. A minor strain in the symphony will be played on the cotton crop forecasts, which missed the mark by several million bales last fall.

### Will Congress Cut Costs?

As of today, Congress is in revolt against the 85-billion-dollar budget submitted by President Truman. Congress is going to cut it 5 billion dollars; 10 billion dollars; some say even more than that. But whether Congress can make the specific cuts in public works in 435 congressional districts, and in so-called defense appropriations—that still is an open question.

But whether a majority of 435 representatives will vote cuts including reduction or elimination of public works projects in "my district"—my state in the case of 96 senators—is another question. The next 5 months will tell.

No major farm legislation is considered likely. No other major legislation is likely. Returning veterans from Korea are somewhat shocked to learn that, from all appearances, the 60 million family units at home are more interested in continuing the present "national prosperity" than in the annual sacrifice of 100,000 American lives.

This observer made the trek from Topeka to Washington and back last month. He had 2 interesting train experiences; a visit with John L. Lewis on the eastern trip; a breakfast visit with Sen. Robert A. Taft of Ohio on the return trip.

Being an early riser, I was about the first one to reach the diner on the Capitol Limited out of Chicago.

"Mind if I sit here?" and across the table from me was Senator Taft—Mr. Republican. He ordered cereal with cream, 2 soft-boiled eggs, toast, pot of coffee. He noted he was on his way to Wisconsin for a 2-day tour, opening his primary campaign.

"Here is today's schedule," says he, proud as a high school kid on his first tour with the debate team. Nearly as one could figure it, he met some group and made a talk—after shaking hands—every 20 minutes, starting at 11 a. m. This included a luncheon talk at noon and a night speech at Beloit.

A brakeman coming thru stopped the discussion. He stuck out his hand. "Glad to see you, Mr. Taft," says he. "Hope you make it. A lot of our boys are pulling for you."

"They want me in Wisconsin for 2 weeks," commented the Ohio (mother of Presidents) candidate for the GOP nomination.

"And you only gave them 2 days?" "Oh, no, 2 weeks in late March, just before the primary, and they will be full days."

### A Good Speaker

Technique will be similar to that used in the Ohio senatorial campaign in 1950, which netted Mr. Taft a whopping 430,000 majority. Speak at big meetings, little meetings, labor meetings, church meetings, Republican rallies; short talks, except for the one nightly speech. With a period for questions and answers wherever time permits. Bob Taft really has qualified himself at answering questions.

Taft talks freely and easily on almost any subject, seems to enjoy himself and his companions. He still seems bashful, probably is. But it is a warm

bashfulness, not the "freeze" of which the deluders of the hoi-polloi accuse him. But he still lacks the county candidate's apparent enjoyment of shaking hands 2 or 3 times with every stranger he meets. And he is not lacking in a sense of humor, that effervesces rather than explodes. We brought up the newspaper polls, Taft chuckled.

"That poll, conducted by some internationalist newspaper in November," he remarked, "backfired in several counts. Of course, it was an unfair poll. Just 2 names presented, Eisenhower and Taft—an open invitation to Democrats to come in and vote for Eisenhower. But when the Philadelphia poll turned out in my favor, rather heavily, we think maybe it converted Annenberg," and the chuckle came again. He commented that the poll—intended to show him as a "poor runner" (despite the Ohio senatorial showing)—rather surprised its sponsors, especially in New England, and even in Boston.

"Didn't do so well in Texas," he admitted. "But I understand there are a lot of Democrats in Texas. Perhaps these cast 'ballots' for Eisenhower."

Yes, he had noticed the Kansas City poll had gone against him. But an analysis showed heavy support for Taft from the rural and small-town areas of Missouri and Kansas.

### Likes the Title

It was suggested to Mr. Taft that the epithet, Mr. Republican, tacked on him in the Ohio campaign (when the Leftists thought he would be defeated and his defeat would reflect on the Republican party), has backfired also, at least as far as the GOP convention is concerned. Taft shrugged his shoulders. To millions of people, the name of Taft and the word Republican have become interchangeable, thruout most of the nation.

"You think so?" he countered, seemingly pleased. But it might not be so helpful, he reflected out loud, in the general election, in the South. Another chuckle, this time at his own expense. But plainly he liked the title. Then he expounded the theory by which he believes he can lead the Republican party to victory:

### One Way to Win

"There is only one way by which we can win. That is by an all-out attack on the immorality of this (Truman) administration, on the unlimited spending and taxing and bureaucratic regulation of the Fair Deal, and on the disastrous foreign policy which has led to Russian power and unnecessary war."

"We are more likely to acquire the votes of independent voters and millions of Democrats if we present the issues directly and forcibly against the Truman philosophy, issues in which we already have their sympathy. . . ."


A red cap, a 6-footer who looked down on this observer walked with me toward the Dearborn street entrance. Rather surprisingly he commented, "There is a man of real humility. I am a laboring man, and I am for him. We carried Akron for him, and that's an industrial town."

### A Visit With Lewis

On the east-bound trip, 3 weeks earlier, we were sitting in the B&O's "sky view" second story, after dinner.

"Would I be intruding to sit here?" a deep voice asked, and there on the aisle seat was old Bushy-Eyebrows himself. I recalled that I had the honor at the 1940 GOP convention to introduce John L. Lewis, UMW, to the Hon. Alf Landon, of Kansas, 1936 GOP standard bearer. The next hour or so is one of the most interesting in 40 years of political reporting. We discussed everything from the 47th chapter of Genesis (what Joseph did to the Egyptians thru the first "ever-normal" granary) to the Vandalia mine disaster and the threat of too much power in government, including America shipping coals to Newcastle—on the Twyne, and then John L. Lewis came up with this—to me—surprising observation:

"One of the greatest blows to individual liberty and free enterprise," said John L. Lewis, "was the adoption of the income tax amendment, and the great accretion to the powers of the central government resulting. I said so at the time. There was a real turning point in American history, and for the worse."



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



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# Classified Advertising Department



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### BABY CHICKS

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### KANSAS FARMER Classified Advertising

WORD RATE  
10c per word each issue.  
Minimum—12 words.  
Names and addresses are part of ad, thus are billed at per-word rate.  
Livestock Ads Not Sold on a Per-Word Basis

DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/2	\$4.90	2	\$19.90
3/4	9.80	3	29.80
Minimum—1 1/2-in.			

Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads.  
Write for special display requirements.  
Kansas Farmer, Topeka, Kan.



## ● FILMS AND PRINTS

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Reprints size as negative 2c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 5x7 enlargements for 50c. Four 8x10 for \$1.00. Your favorite photo copied and 10 billfold pictures 65c. **Summers Studio, Unionville, Mo.**

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## ● REMEDIES—TREATMENTS

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Textile Painters! Stencil catalog, color mixing and shading tips, 25c. Wolgram Studio, Olney Springs, Colo.

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## ● FOR THE TABLE

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Extracted—Pure as bees can make it.

60-lb. Can Clover, FOB.....\$12.00  
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Order Promptly—Supply Limited

**MAHN APIARIES**, 1715 Lane St., Topeka, Kan.

Black Walnuts, hickory nuts, 20 pound bag, straight or mixed \$3.00. Postpaid. Bern Carlock, Springdale, Ark.

# Here's What Fruit Growers Are Talking About

**N**EW IDEAS and suggestions came out of Manhattan in early December as research experts and fruit-and-vegetable growers compared notes and experimental horticultural data. It was the 85th annual meeting of the Kansas State Horticultural Society and its youthful affiliate, the Kansas Sweetpotato Association.

Tomato staking, pruning, transplanting and other cultural problems of "Kansas' Number One Fruit Crop" were discussed by C. C. Singletary of Kansas State College. He recommended transplanting for an early crop, and field seeding for later tomatoes for canning. "Careful handling when transplanting is essential," he said. "It is true if roots are pruned early enough, top growth will be increased, but generally, this will delay fruit."

"Staking or not depends on space, but in many cases it is better not to stake because of moisture shortage," the College representative said.

In the past, it has been common to leave the first set of leaves that appear on the plant, and then prune out buds that grow out of the axil where first leaves join the main stem. Professor Singletary recommends that these axillary buds be allowed to grow and that as they form 2 leaves with a central bud, just this central bud be removed. This will increase the number of leaves on the plant and give a better balance of root to top growth to make a healthier plant.

## ● FEATHERS WANTED

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

## ● FARMS—MISCELLANEOUS

United Farm Agency's new Free Spring catalog of farm and country real estate bargains—just off press—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, 2625-KF Main St., Kansas City 8, Mo.

Wonderful Opportunities, good farms for \$10.00 to \$50.00 per acre. Land as good as Red River Valley. Alfalfa and clover seed district, certified seed potatoes, finest dairy country you ever saw, excellent roads, R.E.A. Good fishing, hunting. Get pamphlet, come, investigate. Wm. Rullen, Baudette, Minn.

Strout Catalogs: East and Mid-West Red cover; West Coast edition Blue. Farms, Homes, Businesses, bargains galore. Either mailed free. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

Ozark Farms, Homes, Businesses. Send for list. O. E. Blackwell, Marshfield, Mo.

Farms, Ranches, Businesses, all kinds. Holman Realty, Lebanon, Mo.

## ● OF INTEREST TO ALL

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

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

For Sale—Hedge posts, all kinds. Ralph Murray, Pomona, Kan.

## February 16 Will Be Our Next Issue

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

**Friday, February 8**

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

Nitrogen fertilizer is vitally important to tomatoes, he pointed out, but it has a reverse effect on the crop if applied all at one time. He suggested a starter solution of 5-10-5, 5 to 7 teaspoons in 10 quarts water, applied at transplanting time which should be when weather is fairly cool—about 55 degrees.

When fruits develop, apply 400 to 500 pounds 3-12-12 in the row for a normal sandy loam soil. This proves better than broadcasting fertilizer.

Hybrids under proper conditions are giving as much as 50 per cent more crop, and they are more disease-resistant, but with this increased vigor, more fertilizer is required. Rutgers, Marglobe and Prichard are varieties now in commercial use. College experiments with Sue tomatoes have been most promising, both as a home and commercial variety. It is better not to stake everything on one variety tho, the tomato authority pointed out. He suggested planting varieties that would give a crop all summer.

**Chlordane Gets Grasshoppers**

The College has as yet found no chemical control for fusarium wilt. Resistant varieties and disease-free soil are recommended. Wilt persists 8 years or longer. Parathion will control hornworm, fruit worm and aphids on tomatoes. Calcium arsenate or lead arsenate will control hornworms and tomato worms. Chlordane is recommended for grasshopper control. Three per cent DDT controls stalk worms. Hormone sprays are being used when problems of excessive nitrogen, heavy rains or poor light prevent fruit setting on vines.

Parathion gave outstanding results in controlling strawberry leaf roller, an insect which has forced many commercial strawberry growers in the state out of business, Elbert Eshbaugh, of the College, reported. Results of 2 years of experiments show that for practical purposes, parathion, 25 per cent powder, 1 pound to 100 gallons of water, applied to thoroughly wet both surfaces of the leaves even killed larvae inside the folded leaves, giving complete control.

Test sprays were applied May 6, at Blair, and almost as good control was gained using, on one plot, Rothane (TDE), 50 per cent powder, 2 pounds to 100 gallons water, and on another, Rothane, 25 per cent emulsion, 1 quart to 100 gallons water. TDE was suggested for home use because of hazards in using parathion. Spray is applied before berries form, so there is no danger of contaminating fruit. Dusts do not prove as effective.

**Geese are Good Weeders**

"Waddling weeders" that stop thrip damage and keep crabgrass and other weeds out of strawberry patches all summer for \$3 plus board and room and provide a meal for Thanksgiving were highly praised by W. W. Magill, University of Kentucky, who described latest growing methods in that state. The "weeders" are geese, requiring only stale bread soaked in water in addition to crabgrass to complete their diet.

The geese, especially those raised in dry lot, are first turned out in a regular pasture to get their dietary habits established, the Kentuckian explained, and then they can be put in the strawberry patch, preferably just after the plants have been set out, and they will devour young weeds as soon as they appear, leaving the berry plants unharmed. Their weeding, not to mention insect control, makes them worth about \$25 a head in labor saved. They provide good control not only for thrips, but several other insects which are a problem in Kansas.

Mr. Magill gave suggestions for ideal strawberry production in Kentucky which he said might apply to Kansas, if tried first on a small scale. He highly praised effects of fertilizing plots. A thousand pounds of 20 per cent superphosphate per acre applied on mulch in January, February or March gave an extra 100 crates per acre of berries. Plants on highly fertilized tobacco land have given big yields. He recommended cold-storage plants which tests show make runners quicker and give a bigger yield per crown. Red Rich was discussed as a leading new variety for long season and heavy yields. Experimental trials on Red Rich in Kansas were flooded out.

Armored, a late variety, was high yielder with 300 crates per acre at Kansas Experimental Orchards. However, this variety is also subject to leaf spot and scorch. The 2-year average also showed Premier was the most dependable variety. Its yield, 245 crates.

Five per cent chlordane and 5 per cent DDT dust at 25 to 30 pounds per acre controlled strawberry weevil, tarnished plant bug, millipedes, crickets, snails, grub and cutworms, Mr. Magill reported. Ferbam eliminated 15 per cent of soft rot in early tests. More experiments are scheduled this year.

**Control Grape Diseases**

Ferbam was recommended over Bordeaux for Black Rot control on grapes, the latter actually reducing yields, Prof. H. G. Swartwout, of Missouri University, said. Ferbam, however, will not give adequate protection against mildew. Early-season control is important to prevent secondary rot. When downy mildew is a problem, recent Missouri tests show ferbam in prebloom sprays and ferbam at 1½ pounds to 100 gallons of water plus ½-pound copper ammonium silicate in postbloom sprays has given control of both black rot and mildew on Concord grapes, with only a trace of injury to plants.

DDT sprayed 5 weeks after bloom and 3 weeks later, in addition to regular sprays, checked late berry moth infestations. Grape scale has been controlled successfully with 25 per cent wettable parathion, 1 pound to 100 gallons water, 2 weeks after crawlers start, followed by a repeat 10 days later. Parathion should not be used with Bordeaux. The same treatment applied when crawlers start out from under the bark controlled mealy bugs.

For mite control, Professor Swartwout recommended wettable powder forms of aramite and parathion as both effective and safe on grapes in this area.

**Improve Apple Market**

Apple growers of Kansas were challenged by John Sjo's report of what consumers look for and buy in Kansas markets. In a preliminary study conducted just after apple harvest, in 35 stores from super markets to roadside stands, 137 different lots of apples were found on sale, 11 per cent of the markets sold only Kansas apples, 42 per cent sold only non-Kansas apples, and 45 per cent sold both. The study definitely showed the need for improved handling, grading and packing to put Kansas apples in the higher grades which are in most demand in the state, thus providing an expanded market right here at home.

Honor guest Jim Sharp, of Council Grove, oldest member of the society, recalled he attended his first meeting of the society 76 years ago as a boy of 14, representing Morris county. Kansas was then a land of homesteaders. One of these, Mr. Sharp recalls, was a French immigrant, struggling for existence. He wanted to stay in this country and become a citizen, so he decided to write books to help raise the needed money. They included "Twenty Thousand Leagues Under the Sea" and others. His name—Jules Verne.

Officers elected last year for a 2-year term are W. G. Amstein, Manhattan, president; Earl Stoughton, Hutchinson, vice-president; Norris Rees, Topeka, treasurer; H. L. Drake, Bethel, secretary. Trustees from the odd-numbered districts were all re-elected to another 2-year term. Even-numbered districts will be voted on next year. Trustees are James Etherton, Troy; Herman Theden, Bonner Springs; J. W. Titus, Caney; R. J. Barnett, Manhattan; Fred Martin, Salina; Lawrence Nelson, Haysville; Hugh Emrich, Ellsworth; Wayne Stoughton, Hutchinson; Jesse Vague, Leoti.



"Playing gas station? Well, that's nice—JUNIOR!"

## 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 second and fourth 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



## HOGS

### BUY MISSOURI DUROC BRED GILTS, BEEF CALVES, DAIRY CATTLE, SHEEP February 25, 1952

At the Baker Sales Pavilion south edge of  
CARTHAGE, MISSOURI

on 71 highway.

#### 40 BRED GILTS SELL

Medium type with good length. Desirable colors and the quick maturing kind. Bred for March and April litters. Sired by Heavy Set Fancy, Velvet Blend, Perfect Lad A. These gilts will be bred to unrelated boars. 10 Fall Gilts and 5 Fall Boars will sell. This is a Bang's free, cholera immune offering.

**DAIRY COWS**—A few good Jersey and Guernsey Springer cows calving vaccinated for Bang's.

**SHEEP**—30 coming 3-year-old 1/4 Cheviot, 1/2 western ewes will mostly lamb by sale time.

**BEEF CALVES**—12 good Hereford and Angus calves, 400 to 500 lbs., just ready to go on grass.

**ONE OF THE BOYS LEFT FOR MILITARY DUTY AND OUR OPERATIONS MUST BE REDUCED.**

For sale catalog write to  
**ED KNEEL & SON**  
Carthage, Missouri Route 1  
Auctioneer—Bert Powell

### KANSAS DUROC BREEDERS STATE SALE Garden City, Kansas February 5, 1952

50 Bred Gilts and 8 Fall Boars  
4-Hand FFA judging contests. Show  
at 10:30 A. M. Sale 1:00 P. M.

For catalog write:  
**HERMAN POPP, Sec., Haven, Kan.**

### REGISTERED DUROC BRED GILTS

Will farrow in March. Wt. 300 to 400 lbs. Daughters and granddaughters of Super Spotlight, Perfect Trend and Crusader Ace. Entire foundation purchased from G. M. Shepherd, Lyons, Kan. Buy them for approximately one half what they will average in the coming Bred Gilt sales of Kansas.

**E. L. WALKER, Fowler, Kansas**  
30 miles southwest of Dodge City  
on U. S. 54.

### N. C. K. DUROC BREEDERS ASSN. SHOW and SALE Belleville, Kansas

Fairgrounds  
Tuesday, Feb. 19, 1952

The consignment consists of 43 bred gilts, 12 fall boars, and 10 fall gilts.

The show at 10 A. M.—Sale at 1 P. M.  
Judge: Prof. F. W. Bell, Kansas State College  
Tom Sullivan, Auctioneer

For catalog write to  
**EDWARD F. BLECHA, Sale Manager**  
Munden, Kansas

### 52 DUROC SALE

SATURDAY

February 9, 1952  
Smith Center, Kan.

60 Choice Reg. Duroc Gilts bred to champion boars. 25 Fall Boars and Gilts, no kin.

Individuals plus breeding. Our Durocs are always among the tops. We have a big sale and market very low but what will it be next fall? Judging school and contest at 9:30. Plan to attend. Catalog on request.

**VERN V. ALBRECHT**

**HAVEN HOLLOW FARM DUROCS**  
Now offering—some of the best gilts we ever raised. Sired mostly by Stylish Wonder and bred to Fancy Velvet, for March litters. Would be fine for 4-H and Voc. Agr. projects. Also fall boars and gilts. Priced right. All bred gilts guaranteed.  
G. F. Germann & Son, Manhattan, Kansas

### PUREBRED SPOTTED POLAND SOWS AND GILTS

Bred to K-State and Jayhawk Jr., to farrow in March and April. Fall Boars and Gilts. Medium type. Choice quality.

**CARL BILLMAN, Holton, Kansas**

## WHAT OTHER *States* ARE DOING

### Crossbred Beef

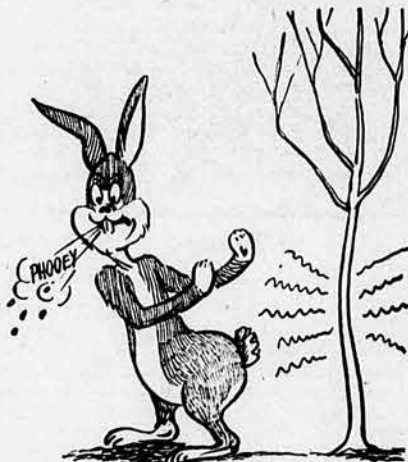
The Ohio station recently reported on results of an 8-year crossbreeding experiment with Angus and Hereford breeds of beef cattle. "The project indicated there were several advantages and disadvantages, depending upon the position of the observer—if he's raising stockers for the feed lot, buying the calves for pasturing or wintering before putting them in the feed lot, or as a packer, interested in the dressing percentage and carcass grades."

Advantages from crossbreeding Angus bulls on Hereford cows: shorter gestation periods; lighter weight calves, less possibility for calving trouble; heavier weaning weights; more rapid daily gain in feed lot; higher dressing percentage; higher proportion of choice carcasses from steers.

Advantages from crossing Hereford bulls on Angus cows: heavier weaning weights for crossbred heifers over purebred Angus heifers; greater daily gain, birth to weaning, for the crossbred heifers; slightly greater daily gains on pasture and in the feed lot for the heifers; more efficient use of feed in the feed lot; increased dressing percentage; increased proportion of choice carcasses.

### Run, Rabbit!

Rabbits often do great damage to young trees, windbreaks and fruit trees. For protecting young trees from rabbit damage, Rabbit Repellent 96a was found the best chemical in tests by the U. S. Fish and Wildlife Service. The



University of Illinois reports the chemical contains copper carbonate, powdered sulfate and dry lime sulfur. You can get it for \$3.50 a gallon from Rodent Control Fund, Experiment Station Annex, Purdue University, West Lafayette, Ind. One gallon will cover about 600 one-year-old trees, 400 trees 2 to 3 years old, or 150 trees 5 to 8 years old. You can apply it as a spray, but putting it on with a brush is more practical.

### "Penta" Bath

Pentachlorophenol makes an excellent wood preservative. Oklahoma foresters say wood treated with the chemical is clean, non-bleeding, paintable, without discoloration, and is permanent. It does not leach out into the soil to be licked by salt-hungry livestock, as around fence posts. There is a great saving of labor and time in treatment.

The "cold soaking method" usually is used. The lumber must be well-seasoned and free from inner and outer bark. It's important how deep the wood is immersed in the "penta" bath. For 100 per cent penetration of sapwood, 9 hours soaking time at 4 feet of depth is required. Or, soak the wood about 30 hours at one foot of depth.

If wood is cut after treatment, the cut surface should be treated with a liberal quantity of "penta" solution by flooding or generous brushing. Follow manufacturers directions for best results.

### Corncob Concrete

Here's another new use for corncobs—corncob concrete! Michigan Agricultural Experiment Station reports on use of cobs as filler in lightweight con-

crete. They say many tons of cobs lying around farms and elevators can be used in concrete. The Michigan tests show cobs can be used if they are properly prepared and mixed. After cobs are ground into pellet form, the fine material is screened out. Remaining pellets are soaked in water. Cobs reduce weight of concrete and add to its insulating qualities. You then will have a very useful and low-cost building material available for building needs.

### Scourable Branding Fluid

A branding fluid for sheep has been developed that can be completely removed from wool by scouring. It's a result of several years of research, says the U. S. Department of Agriculture. The fluid has 2 big advantages.



It remains highly legible after months of exposure to severe climatic conditions. It can be completely scoured from wool by the usual process.

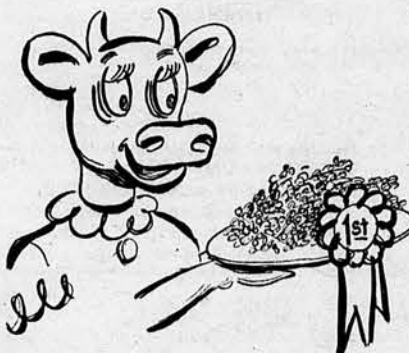
### Roughage in the Ration

Windrow-chopped alfalfa hay is the winner!

Compared with alfalfa processed in other ways, this hay gave greatest net returns in feeding value as the roughage portion of a steer-fattening ration. This was the result of a 165-day feeding test at the Colorado Agricultural Experiment Station.

There was a net average return per head of \$40.94. This was \$4.31 per head more than the next ranking processed alfalfa. Other hay was processed by baling, stacking, ensiling and dehydrating.

The 7 lots of steers consumed about the same amount—15 pounds daily per steer—of grain and soybean meal (1 pound). Dehydrated alfalfa gave great-



est gains, but at more cost. Windrow-chopped was lowest in feed cost per pound of gain at 19.6 cents. For alfalfa-molasses silage it was 20.4 cents and slightly more than 21 cents for pellets.

Field-chopping of alfalfa at the windrow and piling it near the feed lot at harvest time was the least expensive method of harvesting.

### Well-Equipped Milkroom

A fully equipped, adequate milkroom on the dairy farm means less labor, comments Iowa State College. Such a milkroom puts an end to long trips to the house and back with milk and milking utensils. Also, it will help put better dairy products on the market. Savings will more than compensate for expense of buying and installing new equipment in a milkroom.

## HOGS

### BAUER BROS. Poland China Bred Sow & Fall Boar & Gilt Sale SATURDAY February 23, 1952 1:00 P. M. Fairgrounds Fairbury, Nebr.

(JUST OVER THE LINE IN NEBRASKA)  
Selling 50 Choice Bred Gilts for late February and March litters. Selling 20 Choice Fall Boars and Sow Pigs.

Write for catalog to **BAUER BROTHERS**  
GLADSTONE, NEBRASKA

### REGISTERED POLAND CHINA SALE February 23, 1952

Sale Barn

Osage City, Kansas  
40 Head Bred Sows and  
Fall Boars

Show at 9:00 A. M. — Sale at 1:00 P. M.  
\$25,000 prize money will be offered in the  
judging contest for 4-H and FFA members.

For information and catalog write  
**RAY SAYLER, Secretary and Sale Manager**  
LeCompton, Kansas

**KANSAS POLAND CHINA  
BREEDERS' ASSOCIATION**  
Mike Wilson, Auctioneer

### 4TH ANNUAL BRED GILT SALE

at  
Phillipsburg, Kansas  
Monday, February 25

Show 10 A. M.—Sale 1 P. M.  
50 head choice bred gilts from the leading  
herds in Kansas.

**Kansas Spotted Poland  
China Breeders' Assn.**

For catalog write  
**H. E. HOLLIDAY, Secretary**  
Richland, Kansas  
For Money in Lots Buy Kansas Spots

### REG. SPOTTED POLAND CHINA

Choice Fall Boars and Gilts with plenty of length, deep sides and deep full hams sired by Kansas Model and Majestic Duke. New bloodlines. Unrelated pairs. J. V. Cundiff, Talmage, Kansas. (4 1/2 miles north.)

**E. J. F. STOCK FARMS**  
For Sale—Registered Spotted Poland Chinas. Have outstanding bred gilts to farrow from February to April, also plenty of fall pigs ready to go. Various bloodlines, champion breeding. Double immune. Breeders of Polished Shortorns. Earl J. Fieser, Norwich, Kansas

In General Eisenhowers Hometown,  
at Cen. Kansas Free Fair Grounds

**ABILENE, KANSAS**  
FEBRUARY 21, 1952

at 1:00 P. M.

### I WILL SELL 60 YORKSHIRES

30 Bred Gilts—10 Boars—20 Bred Sows  
These gilts and boars are sired by MFN Future of Solihull 89d, who sells—the 5th place junior gilt of the National Yorkshire Show at Timonium, Md. A littermate of the junior champion gilt at the Missouri State Fair and of the reserve junior champion gilt at the Iowa State Fair. And other show winners will be offered.  
All hogs vaccinated for cholera and have negative Bang's tests.

For catalog write **GEO. WM. BURKHOLDER**  
Route 1 Abilene, Kan.

### KAN. BERKSHIRE HOG BREEDERS STATE SALE

Hutchinson, Kansas  
State Fair Pavilion

February 18, 1952

34 Bred Gilts—9 Boars & Gilts  
Show 9:30 A. M. — Sale 1:00 P. M.

Most of these gilts will farrow in March.  
The offering comes from 12 consignors.

For catalog write  
**FRANKLIN NICHEL, Secretary**  
Buhler, Kansas

### 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



**HOGS****HEREFORD HOG SALE**  
**Friday, February 15, 1952**

IRELAND SALE BARN  
**HOLTON, KANSAS**  
71 Bred Gilts — 10 Open Gilts  
10 Fall Boars

These fall pigs are sired by FRONT ROW and are very good. Special attraction for 4-H and FFA members.  
Featuring the get and service of our two great boars, FRONT ROW and DOMINO 1.

MILT HAAG, Holton, Kansas

**Dairy CATTLE****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  
260 Center St., Brandon, Va.

**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****OAKVIEW FARMS**

A select herd of high quality Milking Shorthorns  
are offering serviceable-age bulls and some small  
calves, also a few heifers. All out of good  
producing cows and sired by T. Royal Duke.  
F. H. EDIGER & SONS, Inman, Kan.  
3 1/2 miles south and 1 east.

**BROOKVIEW MILKING****SHORTHORN HERD**

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

**BULLS**

REGISTERED  
MILKING SHORTHORN  
3 months to 9 months.

ROY BUNGER, Council Grove, Kansas

RETNUH FARMS Have most anything you  
want in registered Milking  
Shorthorns. Our record at shows, classifica-  
tions, testing speaks for itself.  
JOE HUNTER, Geneseo, Kansas

**SHEEP****HAMPSHIRE BRED EWES**

Lamb soon.

ROY F. GILMORE, Rt. 3, Peabody, Kan.

**• AUCTIONEERS •****HAROLD TONN**

Auctioneer and  
Complete  
Sales Service

Write, phone or wire  
Haven, Kansas

**BERT POWELL**

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

RELIABLE ADVERTISERS ONLY  
ARE ACCEPTED  
IN KANSAS FARMER

**LIVESTOCK SALE**

TUESDAY

February 5, 1952

at the NCK Free Fair Grounds

Belleville, Kan.

Sale at 1:00 P. M.

**13 HEAD OF CATTLE**

2 Reg. Angus Cows with calves at side. Reg.  
Angus Cow, 3 years old. 3 Reg. Angus Heif-  
ers. 2 Grade Angus Cows, Grade Angus Bull  
and 1 Hereford Cow and calf.

**34 SHEEP**

25 Reg. Southdown Ewes. 4 Reg. Southdown  
Ewe Lambs. 2 Southdown and Hampshire  
crossbred Ewe Lambs. 3 Reg. Southdown  
Ewe Lambs, first prize winner at Kansas  
State Fair.

41 HEAD OF HAMPSHIRE HOGS  
8 Gilts, 4 Sows coming with 3rd litter, 8  
Fall Gilts, all registered and bred to a R. E.  
Bergsten boar. 6 off-belt Gilts and 15 feeder  
Pigs, weight 125 pounds.

A sizable amount of hog feeding equipment.

BUD HANZLICK, Owner

Belleville, Kansas  
Harold Tonn, Auctioneer

**4-H'er Wins Miami  
County Corn Contest**

David Aiken, 14-year-old 4-H'er at  
Louisburg, topped the list of corn pro-  
ducers in Miami county in 1951 with a  
yield of 130 bushels per acre! He got  
his record yield on a 6-acre field of  
sandy loam soil which was carried as a  
4-H project.

He entered the county 100-bushel  
Corn Club, which is made up of 30  
adult farmers and 4-H members. Spon-  
sors are the KCMO Broadcasting Sta-  
tion and the Osawatimie Chamber of  
Commerce. The winner, a son of Mr.  
and Mrs. Cyrus Aiken, used 350 pounds  
of ammonium nitrate and 125 pounds  
of 8-24-8 fertilizer per acre. The hybrid  
corn was seeded on May 22 and was  
cultivated 3 times.

Other county winners were Ernest  
Cook, Parker, 2nd place, with a 122-  
bushel yield; Cyrus H. Aiken, Louis-  
burg, brother of the winner, 3rd, with  
90 bushels, and Harvey Bratton, Par-  
ker, 4th, with 75 bushels.

**Announce New  
Arc-Welding Contest**

Announcement is made of the new  
\$7,000 Arc Welding Award Program  
for high school students, by the James  
F. Lincoln Arc Welding Foundation.  
Free copies of the rules booklet may be  
obtained by writing to Editor, Kansas  
Farmer, Topeka, Kan.

Purpose of the program is to encour-  
age students who live on farms or  
ranches to study how welding can be  
used on farms to increase self-suffi-  
ciency, save time and labor. Students  
can compete for \$5,000 in awards rang-  
ing from \$600 to \$25, by describing  
projects that have, or could be, made  
at home or at school. School awards  
are to be used for improving shop me-  
chanic courses. Closing date of the new  
contest is June 15, 1952.

Included on the national committee  
on rules is Ray W. Morrison, Clay  
County Community High School, Clay  
Center.

**U. S. Farm Bureau  
Re-Elects Officers**

The United States should help "main-  
tain freedom for those who have it and  
regain it for those who have lost it,"  
states a resolution adopted by the  
American Farm Bureau Federation at  
its 5-day 33rd annual convention at  
Chicago last month. All officers were  
re-elected, with Allan B. Kline, of Iowa,  
as president.

The AFBF also went on record for  
aid to nations that undertake to attack  
conditions in their countries that breed  
discontent; to promote agricultural in-  
dustrial production; to stabilize their  
currency by increasing production and  
balancing the national budget; against  
universal military training; commended  
United Nations for several achieve-  
ments, and opposed "unnecessary gov-  
ernment controls" but approved alloca-  
tions and priorities for scarce materi-  
als.

**Named Champion  
Vegetable Grower**

State champion in the production-  
marketing contest of the National Ju-  
nior Vegetable Growers Association for  
1951 is James McCoid, Rossville. He  
was named Kansas champion at the  
annual convention at Cleveland, O.

The winner receives a cash award  
from a \$6,000 scholarship fund provided  
by A & P Food Stores, as part of its  
program to encourage better produc-  
tion and marketing of vegetables by  
farm youths.

Jim McCoid is the son of Mr. and  
Mrs. H. C. McCoid. Despite flood losses  
last summer he became Shawnee county  
4-H champion in corn and garden proj-  
ects. He was field crops champion and  
placed 2nd in the county in wheat proj-  
ect achievements. Jim was 1st in his  
county in boys' achievement work. To-  
tal net value of the 19-acre garden area  
last summer was \$1,000.

**Lose a Friend**

Henry E. Hostetler, 84, member of  
the first Master Farmer class selected  
in Kansas, died at his home in Harper  
county on January 2. Mr. and Mrs.  
Hostetler had celebrated their 63rd  
wedding anniversary just last October.  
Funeral services for Mr. Hostetler  
were held from the Pleasant Valley  
Mennonite Church and burial was in  
the Pleasant Valley cemetery.

**REGISTERED****Milking Shorthorn Dispersal**

February 20, 1952

1 P. M. at the Sale Barn

Junction City, Kan.



DUALLYN EARL LEE

**THE ENTIRE HERD OF THE PETERSON & O'DONNELL  
MILKING SHORTHORNS WILL BE SOLD**

This herd was established more than 20 years ago.

31 Cows, 20 Heifers ranging in age from 20 months to 1 year.  
6 Bulls from 7 to 15 months. 18 head of Steers weighing from  
400 to 800 lbs. per head. 10 Fall Calves, consisting of 7 heifers  
and 3 bulls. There will be more baby calves by sale day.

The older cattle in this offering are sired by well known sires, HILLCREEK  
GULMAN, FAIR ACRES JUDGE, BROOKSIDE MAPPERTON 72nd,  
PRAIRIE DARRELL, all RM sires. The younger cattle by DUALLYN  
EARL LEE, whose sire is IFORD EARL GWYNNE Imp. His dam was  
DUALLYN GRETA, classified (Ex.) and RM. Several heifers will be bred  
to DUALLYN PIONEER CHIEF, by DUALLYN CAMPFIRE, (RM 7 Ex.)  
and out of DUALLYN QUEEN MOTHER (Ex.) and RM, with 511 pounds  
fat record. 5 calves by RIVER PARK BLADEN 2nd, one by RETNUH  
ROAN ROBIN.

SEVERAL COWS IN CALF TO THESE BULLS, ARTIFICIALLY,  
TO CALVE THIS SPRING.

Several of cows are RM and many carry RM in their pedigrees  
THE OFFERING IS TB AND BANG'S TESTED

M. H. PETERSON, Owner, Junction City, Kan.

Ross B. Schaulis, Auctioneer

Mike Wilson for Kansas Farmer

**REG. HAMPSHIRE BRED GILT SALE**

February 28, 1952



At 1 P. M. at farm, on highway south of  
Randolph, Kansas

**50 Head of Select Registered Bred Gilts  
10 Off-marked Bred Gilts and a Few Fall Boars**

The gilts are the tops from our own breeding herd. In addition we have pur-  
chased a few top gilts from other herds. As feature attraction they are  
sired by Special Model, Square Molder and Approved Fashion. They are  
carrying the service of 2 great young boars from the Harry Knabe herd of  
Nehawka, Nebr. Sterling, a son of Bouncing On, a big rugged boar with ex-  
tra length of body. Adventure sired by Flashie Trust, he is unusually sound  
and heavy boned. We rate these boars the equal of any used in our herd in  
the past. The gilts have been conditioned properly to insure strong litters  
and are in good health.

They are free from Bang's and will be tested prior to sale.

We invite inspection of our herd, requests for catalog and attendance sale day.

R. E. BERGSTEN & SONS, Randolph, Kan.

Bert Powell, Auctioneer

Mike Wilson for Kansas Farmer

**REGISTERED HAMPSHIRE HOG**

SALE

Feb. 11,  
1952



18 Fall Boars — 16 Fall Gilts — 5 Spring Boars — 40 Spring Bred Gilts  
13 Bred Sows

Sale starts promptly at 12:30 p. m.

at the farm, 7 1/2 miles northwest of

WAMEGO, KANSAS

JOHN E. GAREIS & SONS, Wamego, Kansas

**BEEF CATTLE**

POOLED 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 20 CHOICE REGISTERED****Angus Bulls**

Coming 2 years old. Rugged, thick and plenty  
of scale. Raised together. Inspection invited.

L. E. LAFIN, Crab Orchard, Nebr.



# GIBBS ANNUAL CALF SALE

**FEBRUARY 22, 1952**

SALE BARN

**CLAY CENTER, KANSAS**

1:00 P. M.

**35 Bulls - 20 Females**

**Featuring the Get of Super Larry D. 95th, Jaunita Domino 89th, Cade Lad 2nd, and P. Royal Duke 7th**

The cattle will include some **TOP HERD BULLS** and **FOUNDATION FEMALES** that will satisfy the critical Hereford breeder. This group of cattle are in a thrifty condition but not highly fitted. They will meet all state health requirements for shipment.

**GUEST CONSIGNORS:** George Owen, Green, Kan.; L. V. Chamberlin, Chapman, Kan.; Straight Creek Farms, Whiting, Kan.

For catalog write

**SAM GIBBS, Manchester, Kansas**

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

## KARST DISPERSION SALE --- WARRINGTON REDUCTION SALE

PROVIDING 46 LOTS OF QUALITY WELL BRED SHORTHORNS

**WEDNESDAY, FEBRUARY 13, RICH HILL, MISSOURI**

1:00 P. M.

Sale will be held at the Warrington farm, located 5 miles west, 3 south and 3/4 east of Rich Hill, Mo., is 80 miles south of Kansas City on U. S. Highway 71



**GREGG FARM HOARFROST, 1949 International reserve champion bull.** Similar breeding can be found in this sale.

farm boy, joined Alvin Warrington in a working partnership. Richard, now called into service, is dispersing all the cattle he owns and this also quite necessarily has caused Mr. Warrington to greatly reduce his herd in size. All cattle are Tb. and Bang's tested and are the thick, deep bodied, good doing kind. You will like them because of their quality and bloodlines.

For the catalog and other information, address

**MERVIN F. AEGERTER, Sale Manager, Seward, Nebraska**

Aucts.: C. D. Swaffar and Connie McGennis

Bert Powell with this publication

## E. W. THOMPSON RANCH ABERDEEN-ANGUS SALE

**Sedalia, Mo., February 27, 1952—1:00 P. M.**

**57 FEMALES — 16 BULLS**

**Cows with calves, Bred Cows, Bred Heifers, Open Heifers**  
Popular families, Bessies, Georginas, Witches, Zaras, Edwinas, Erianas

**Also 2 sons of Homeplace Eileenmere 487th and 1 son of Prince Sunbeam 29th. All bulls ready for heavy service.**

Immediately following sale of registered cattle we will sell 60 head of commercial Angus females from 2 to 6 years of age. Some with calves by side.

**Sale will be held in heated pavilion 1 mile west Sedalia on Highway 50**

Auctioneers—Roy Johnston, Ray Sims

For catalogs write **E. W. THOMPSON**

**E. W. THOMPSON and JESS DOWDY, Sedalia, Missouri**

## PENNEY AND JAMES 10TH ANNUAL ABERDEEN-ANGUS Production Sale

Sales Pavilion at the Homeplace just east of

**Hamilton, Mo., Monday, March 3**

Our 1952 Sales Offering Consists of  
**20 Bulls and 50 Females**

The Sales Offering: 10 Bulls sired by Eileenmere 999th (pictured here), 6 sired by Eileenmere 487th, the wonder bull of the breed. Other bulls selling by Homeplace Eileenmere 999-35th; Homeplace Eileenmere 500th; Homeplace Eileenmere 49th; Homeplace Eileenmere 18th; Eileenmere 649th. These bulls were selected from 50 bulls that had been prepared for this sale. Females—Consist of several head from our show herd, 18 daughters of Eileenmere 999th; remainder of females selling sired by Eileenmere 487th; Eileenmere 921st; Homeplace Eileenmere 49th; Homeplace Eileenmere 32nd; Homeplace Eileenmere 500th; Homeplace Eileenmere 72d; Homeplace Eileenmere 8; Homeplace Eileenmere 687th; Eileenmere 621st; Homeplace Eileenmere 999th-35th; Homeplace Eileenmere 18th; several by Envious Burgess H and Envious of Hamilton. These females represent the most popular breed families. 46 of these females bred to the best bulls at the Homeplace. 4 open heifers sell with breeding privilege.

For catalogs, address **J. B. McCORKLE, Sale Manager, 3500 A.I.U. Bldg., Columbus, Ohio**  
**PENNEY AND JAMES, Owners, Hamilton, Mo.**

Orin L. James, Manager

John Mallett, in charge of the cow herd

Hart Johnson, Herdsman

Johnston and Sims, Auctioneers

Bert Powell with this publication

## "Until Dinner Is Ready"

**Everything But the Squeal:** The American doctor has available more than 50 products of meat animal origin—including insulin, thyroid, liver extract, surgical sutures and hormones. It takes the pancreas glands of 1,500 cattle or 7,500 pigs to make one ounce of insulin, says the American Meat Institute.

**Room for Improvement:** Only about 250 of the 200,000 to 300,000 known plants in the world are cultivated as sources of food or fiber or for other economic purposes. About 20,000 are used to some extent in forestry, grazing, or for making drugs, says the USDA.

**On the Job:** Of the wheel tractors made in the United States in 1938, about 96 per cent were still working after 10 years, showed a study of the U. S. Department of Agriculture.

**Let's Take a Trip:** The average family car in America travels 10,000 miles a year. Fifty years ago the average family would travel about 1,000 miles a year.

**Handy Hints:** The Universal Match Corporation is distributing 10 million "fire prevention" book matches in a country-wide campaign. It's an effort to cut down number of fires started by smoking in bed.

**Help in the Forest:** The U. S. Department of Agriculture has 750 forest rangers, but on the average has only 5 per forest.

**Country to City:** Eighty-five per cent of the nation's urban population receive their fluid milk from the country by truck, according to Mack Trucks, Inc.

**Meat on Table:** In America, the average family of 4 eats more than 11 pounds of meat each week, says the American Meat Institute.

**More Hiking Than Hitching:** The District of Columbia and 26 states have laws against asking for rides on highways. Washington state not only has an anti-hitchhike law, but makes it an offense for the motorist to pick up a "hitcher."

**The Winner!:** The United States has about 6 per cent of the world's population, 78 per cent of the world's automobiles, and 51.6 per cent of its trucks and busses, says the National Highway Users Conference.

**Electrical Farms:** Four out of 5 American farms have electricity.

**Chipper Cornstalk:** University of Illinois is studying a 4-in-one cornstalk—which is rarer than quadruplets among humans. All stalks are growing from a single seed. It's reported it is the first corn oddity of its kind ever seen.

**Keep Looking:** There are more than 6,000 known species of grasses.

**Call Me Up Sometime:** In areas of the United States served by the Bell Telephone System, 66 per cent of the families have telephone service. Eight years ago it was 40 per cent. In the entire nation, 63 per cent of all families have service.

**Pesty Rinderpest:** The U. S. Food and Agriculture Organization has spent \$60,000 in helping underdeveloped countries use vaccines to eradicate rinderpest. This disease slays more than 2 million farm animals each year the world over.

**Pepped-up-Cows:** In Britain, researchers are trying synthesized 1-thyroxine to boost milk production in cows, comments North Dakota Experiment

## Ready for Spring?

"The Landscape Calendar," published by Kansas State College, is a reliable booklet giving suggestions for the home gardener for each month of the year. You will be interested in having a copy for the spring months which are just around the corner. Please ask for M-31 and address post card to Bulletin Service, Kansas Farmer, Topeka.



**Station. Tablets (25-milligram)** are mixed with oatmeal twice daily for 21 days with the animals in declining lactation. The dose increased milk yields considerably within 2 weeks.

**Where Feed Goes:** It costs \$4 to feed one rat for a year, says the University of Illinois College of Agriculture.

**Rubber Plant:** No. 593 variety of the guayule shrub has possibilities for commercial rubber production. This plant deposits some rubber each year, chiefly in the cells of the trunk. A native of Mexico and Texas, guayule is being grown and studied by American plant breeders.

**Sweet Export:** Good market is being found in Europe for honey produced by beekeepers in southwestern U. S., says U. S. Department of Agriculture. Through last December 2, more than 10 million pounds left U. S. ports.

## Contracts Let for Farm Bureau Office

Further progress is made in construction of the new home office building for the Kansas Farm Bureau. Contracts have been granted in Manhattan for the structure, to be located northwest of the city on U. S. highway 24. It will cost \$647,079 to build.

Successful bidders include the I. L. Wheeler Construction Company, Manhattan, general construction, \$383,897; Kookon Electric Company, Abilene, \$44,842; Stevens, Inc., Hutchinson, plumbing, heating and air conditioning, \$201,115, and the Otis Elevator Company for construction and installation of an elevator, \$17,280.



## IN THE FIELD

**MIKE WILSON**

Topeka, Kansas  
Livestock Editor

The **GREAT NATIONAL ALL-FEMALE MILKING SHORTHORN SALE** will be held at Springfield, Mo., again this spring. For qualifications and regulations you should get in touch with Curt Heldebrecht, Inman, Kansas breeders may enter as many as 10 head. Cattle will have to be inspected, therefore Curt would like to know at once if you have something to enter.

We have a letter from **GLENN LACY**, Short-horn breeder of Miltonvale. Glenn reports Short-horn sales on his farm recently have been very satisfactory. He has sold a number of bulls to various farmers and breeders thruout the territory. Also many females to some of the top breeders in Kansas. Some breeders have returned to the Lacy's for 2nd and 3rd purchases. I think this speaks very well for type of cattle Lacy's are breeding. For many years their motto has been "satisfied customers."

**MR. AND MRS. MELVIN SCHIERMEYER**, owners and operators of Hiland Stock Farm, at Superior, Nebr., inform me this fall they plan to dispose of their horned Hereford breeding cattle, and operate a straight Polled Hereford breeding herd. Schiermeyers, for several years, have been breeding both horned and polled cattle. Herd has now reached the size where it may be divided and one breed will be sufficient to stock ranch to its capacity.

I have received word from Carl M. Swenson of the firm of **SWENSON BROTHERS**, Hereford breeders of Concordia. Carl reports Hereford business in North Central Kansas on the boom. A number of years ago Swenson's undertook to build one of the good breeding herds of Hereford cattle in North Central Kansas. They always have kept in mind importance of good herd sire in production of registered livestock. In making their herd bull selections they have bought bulls from some of the good herds and of the most important bloodlines of the breed. At the North Central Kansas Show and Sale 2 years ago, they selected and purchased the reserve champion bull to head their herd. They now have calves on ground sired by the new bull. They are very thick, deep and mellow fellows; cow herd is built strongly on Anxiety 4th breeding. They are using Tredway and Larry Domino sires. This is a cross that has been so successful for many years at Swenson farms.



**Beef CATTLE****Kansas Hereford Hog Breeders Sale****March 1, 1952  
Hays, Kansas**

Selling 50 Bred Gilts, 5 Sows with litters and 10 Fall Boars. Also some Fall Gilts.

**RAY RUSK, Secretary**  
Wellington, 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****ANNOUNCING****MARSHALL COUNTY'S  
6TH ANNUAL SPRING  
HEREFORD SALE****Mon., March 3, 1952****Marysville, Kansas****64 BULLS—16 FEMALES**

The best of bloodlines in both horned and polled, selected from the good herds of Marshall county. Watch the February 16 issue of Kansas Farmer for detailed information.

**ELMER E. PETERSON, Secretary**  
Marysville, 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 83F4 Reading**12 REGISTERED  
POLLED HEREFORD BULLS**

10 to 18 months old. Also 4 good horned bulls, some heifers, Worthmore, Plato Aster and Bolado breeding.

**IRL TINKLER, Gypsum, Kansas****LAST CALL****REG. ABERDEEN-ANGUS  
PRODUCTION SALE****February 13, 1952.****AT THE BEVERLY SALE BARN****SALINA, KANSAS**

6 2-year-old Bulls. Yearling Bulls and Yearling Heifers. All sired by Homeplace Elleenmere 48th, son of the great 487th. Vaccinated and TB tested.

**FRED P. CHILEN, Owner, Miltonvale, Kan.**  
**Roy G. Johnston, Auctioneer**  
**Mike Wilson for Kansas Farmer****REG. ABERDEEN-ANGUS BULLS**

For Sale, Sunbeam Breeding.

**CHESTNUT & RAILBACK, Quinter, Kan.****SHORTHORN HERD BULL**

For Sale, Dark red, registered-K F Lord 2395200.

**ERNST HOLSTE, Ludell, Kansas****FOR SALE****3 DARK RED SHORTHORN BULLS**

Calved in March, 1951. They are thick straight shod rugged fellows. Half-brother to the 1951 State Sale reserve champion heifer.

**GLENN E. LACY & SON, Miltonvale, 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. Calbrood vaccinated, delivered at cost in Kansas. 8 miles southwest of Hutchinson, then 14 miles west on blacktop road.

**J. C. BANBURY & SONS**  
Plevna, Kansas**Public Sales of Livestock****Aberdeen-Angus Cattle**February 13—F. P. Chilen, Miltonvale, Kan. Sale at Salina, Kan.  
February 25—C. E. Reed, Wichita, Kan.  
February 25—Ed Knell & Son, Carthage, Mo.  
March 3—Penney & James, Hamilton, Mo. J. B. McCorkle, Sale Manager, AIU Building, Columbus, Ia.  
March 28—U. S. Center Angus Association, Smith Center, Leonard Patman, Secretary.  
April 2—South East Kansas Breeders' Association, Topeka, Kan. Clarence C. Ericson, Sale Manager, Savonburg, Kan.  
April 3—Oscar Latzke, Junction City, Kan.  
April 10—Mid-Kansas Aberdeen-Angus Sale, Hutchinson, Kan. Lloyd Ericson, Sale Manager, Marquette, Kan.  
April 21—Ericson, Thalman and Davis Production Sale, Hutchinson, Kan.  
April 22—North East Kansas, Hiawatha, Kan. Harry Dandliker, Secretary, Hiawatha, Kan.  
April 29—G. W. & Ada C. Caldwell, Harlan, Kan.**Brown Swiss Cattle**

February 6—Henry Duwe &amp; Son, Freeport, Kan.

**Dairy Cattle**

February 25—Ed Knell &amp; Son, Carthage, Mo. . .

**Holstein Cattle**

February 9—George Gast &amp; Son, Overland Park, Kan.

**Hereford Cattle**

February 2—North East Kansas Hereford Breeders' Association, Topeka, Kan. Elmer Becker, Sale Manager, Meriden, Kan.

February 4—1952 Kansas Range Bull Sale, Dodge City, Kan.

February 6—1952 HG Hereford Farms, Colby, Kan.

February 7—1952 Olivier Bros., Harper, Kan.

February 8, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.

February 15—Milt Haag, Holton, Kan.

February 22—Sam Gibbs, Clay Center, Kan.

February 29—Republican Valley Hereford Breeders' Association, Red Cloud, Nebr. Chas. Kort, Sale Manager, Blue Hill, Nebr.

March 3—Marshall County, Kansas Hereford Breeders' Association, Marysville, Kan. Elmer E. Peterson, Secretary, Waterville.

March 5—3-Way Sale, Hutchinson, Kan.

March 18—North Central Kansas, Belleville, Kan. Geo. C. Wreath, Sale Manager.

April 12—Kansas Hereford Association, Horton, Kan.

April 16—Sutor Hereford Farms, Zurich, Kan.

April 17—Twin Oak Farm, Moundridge, Kan.

October 6—Hiland Stock Farms, Superior, Nebr. Melvin Schiermeyer, Owner.

October 6—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, Kan.

November 6—Lincoln County, Sylvan Grove, Kan.

November 11—Tonn &amp; Fishburn, Haven, Kan.

Polled Hereford Cattle

March 11—O'Bryan Ranch, Hiattville, Kan.

Shorthorn Cattle

February 12—E. S. Walker, Osborne, Kan.

February 13—Alvin T. Warrington and Richard B. Karst, Rich Hill, Mo. Arvin F. Aegerter, Sales Manager, Seward, Nebr.

Milking Shorthorn Cattle

February 20—M. H. Peterson Dispersion, Junction City, Kan.

April 5—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

February 4—C. M. Sheehy &amp; Son, Richards, Mo. Sale at Nevada, Mo.

February 5—Kansas Duroc Breeders, Garden City, Kan. Herman Popp, Secretary, Haven, Kan.

February 6—Weldon Miller &amp; Son, Norcatour, Kan.

February 9—Earl Martin &amp; Son, DeKalb, Mo.

February 9—Bred Sow Sale, Vern V. Albrecht, Smith Center, Kan.

February 11—Harry Duvall, Belleville, Kan.

February 19—NCM Duroc Breeders' Association Sale, Belleville, Kan. Ed Blecha, Sale Manager, Munden, Kan.

February 20—U. S. Center Duroc Association, Phillipsburg, Kan. Vern V. Albrecht, Sale Manager, Smith Center.

February 25—Ed Knell &amp; Son, Carthage, Mo.

April 10—Herman Popp, Haven, Kan. Sale at State Fairgrounds, Hutchinson, Kan.

April 19—Kansas Duroc Fall Pig Sale, sale at Moundridge, Kan. Herman Popp, Secretary, Haven, Kan.

Hampshire Hogs

February 11—John Gareis &amp; Sons, Wamego, Kan.

February 28—R. E. Bergsten &amp; Sons, Randolph, Kan.

March 8—Sunshine Farms, Morrill, Kan. Warren Ploeger, Owner.

Hereford Hogs

February 15—Milt Haag, Holton, Kan.

March 1—Kansas Hereford Hog Breeders' Association, Hays, Kan. Ray Rusk, Secretary, Wellington, Kan.

Poland China Hogs

February 19—Paul Erickson, Herndon, Kan. Sale at Oberlin, Kan.

February 23—Bauer Brothers, Sale at Fairbury, Nebr. Bauer Brothers, Gladstone, Nebr.

Spotted Poland China Hogs

February 25—Kansas State Spotted Poland China Breeders, Phillipsburg, Kan. H. E. Holliday, Secretary, Richmond, Mo.

February 26—The Rices, Liberal, Mo.

Yorkshire Hogs

February 21—Geo. Wm. Burkholder, Abilene, Kan.

Hogs—All Breeds

February 29—Ness County Hog Breeders' Association, Ness City, Kan.

Suffolk Sheep

April 26—Registered Suffolk Ram Sale, Herman Popp, Haven Sale Manager, sale at Kansas State Fair Grounds, Hutchinson, Kan.

Sheep

February 25—Ed Knell &amp; Son, Carthage, Mo.

**Trend of the Markets**

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

	Week Ago	Month Ago	Year Ago
Steers, Fed . . . . .	\$36.00	\$36.50	\$37.00
Hogs . . . . .	18.40	18.50	22.75
Lambs . . . . .	29.00	30.50	36.25
Hens, 4 to 5 lbs. . . . .	.26	.25	.30
Eggs, Standards . . . . .	.35	.35	.40
Butterfat, No. 1 . . . . .	.77	.80	.68
Wheat, No. 2, Hard . . . . .	2.55 1/4	2.57	2.50
Corn, No. 2, Yellow . . . . .	2.00 3/4	2.03	1.74
Oats, No. 2, White . . . . .	1.13 3/4	1.15	1.01 1/4
Barley, No. 2 . . . . .	1.56	1.52	1.53
Alfalfa, No. 1 . . . . .	44.00	44.00	36.00
Prairie, No. 1 . . . . .	29.00	27.00	17.00

**REPUBLICAN VALLEY  
HEREFORD BREEDERS' ASSOCIATION  
6TH ANNUAL SHOW & SALE****Red Cloud,  
Nebraska  
February  
28-29**

Show Starts at 1:00 P. M. Thursday

Sale starts promptly at 1:00 P. M. Friday

**79 HEAD OF PUREBRED HEREFORDS****65 BULLS.** 37 Bulls 18 to 24 months old, 15 Bulls 15 to 18 months old, 12 Bulls 12 to 15 months old. You will find herd bull prospects and top range bulls in this offering.**14 FEMALES.** 9 Heifers bred, 5 Heifers open. These are excellent foundation females.

Top consignments from 28 of the best herds in South Central Nebraska and North Central Kansas

**CLARE CLEMENT, Judge, Ord, Nebraska**

For catalog write

**CHAS. KORT, Manager, Blue Hill, Nebr.**

Charles Corkle, Auctioneer

Mike Wilson for Kansas Farmer

**KAW VALLEY HEREFORD ASSN.  
SHOW AND SALE**

Riley County Fair Grounds

**Manhattan, Kan.****Friday, Feb. 8, 1952**

Show at 9:00 A. M. — Sale at 12:00 P. M.

**SELLING 61 HEAD BULLS AND FEMALES****44 BULLS—17 FEMALES**

Some serviceable-age bulls and bred heifers. Primarily horned—few polled from top registered herds of Riley, Geary, Wabaunsee and Pottawatomie counties.

**Gene Watson, Auctioneer****Dr. A. D. Weber, Judge**

For Catalog Write to

**WENDELL A. MOYER, 1027 Kearney, Manhattan, Kan.**

Mike Wilson for Kansas Farmer

**BIG DISPERSAL SALE OF HOLSTEIN  
CATTLE—EQUIPMENT—MACHINERY****February 9, 1952****3 miles south of OVERLAND PARK, KAN.**

at 103 St. and 69 Highway. 15 miles south of Kansas City, Mo.

SALE STARTS AT 10:00 A. M.

**135 HEAD OF OUTSTANDING HOLSTEIN CATTLE**

45 YEARS OF CONTINUED HERD IMPROVEMENT

15 Cows, 1st calf, giving 4-6 gal.; 10 Cows, 1st calf, close springers; 25 Cows, 3-4 years old, giving 4-8 gal.; 35 Cows, 4-7 years old, giving 3 1/2-7 1/2 gal.; 20 Heifers, 1-2 years old, bred and open; 30 Heifer Calves, 1-8 months old; 1 bull, 2 years old, registered; 1 Bull, 3 years old, registered. We have been in the dairy business for 35 years, our herd has been on DHIA test since 1946. We have calbrood vaccinated since 1939. Cattle are in good condition and consistent producers. Come inspect them any time. We are sure you will find cattle here to suit your needs. We have always used top herd bulls. We sell grade A milk.

Dairy Equipment, Farm Machinery, Trucks and Miscellaneous also sells.

LUNCH ON GROUNDS. SALE TO BE HELD UNDER COVER.

**GEORGE GAST & SONS, Owners**

Cols.: Roy Johnston, Ray Sims and Russ Feeback, Auctioneers

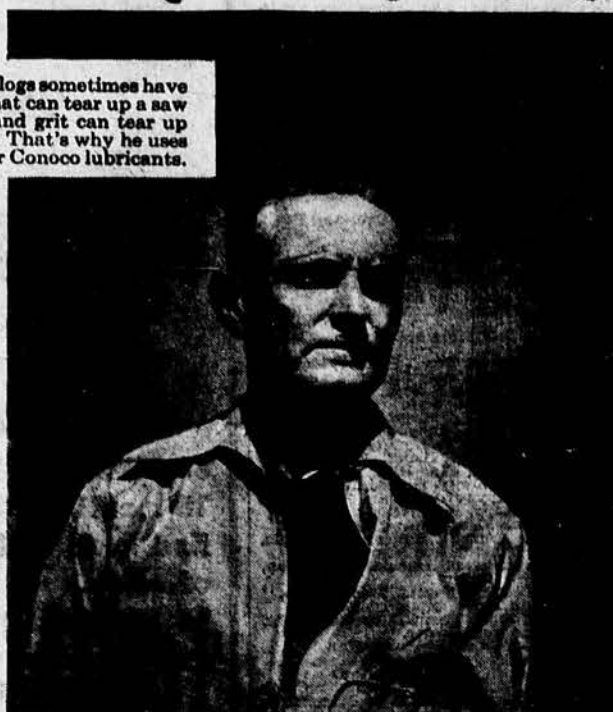




# THE TANK TRUCK



Dub Newsom says these logs sometimes have nails and wire in them that can tear up a saw in 2 seconds. And dirt and grit can tear up an engine almost as fast. That's why he uses Conoco HD oil and other Conoco lubricants.



Mr. Newsom inspects some 2x4's, piled up for air drying before being sent to the planing mill. He has lubricated his sawmill and farm machinery with Conoco Products for more than 10 years.

## Two Million Feet a Year!

AS A YOUNGSTER, Douglas Newsom was a very busy boy. Most of the time it seemed he must be in two places at once, so somebody once said, "That can't be just one boy—he must double himself!" Well, the next day, he was "Double" Newsom . . . and the following day he was called "Dub." He's been "Dub" Newsom ever since.

And Dub Newsom is *still* doubling him-

self! Today, for instance, one half of him runs a 300-acre farm near Ore City, Texas, where he grazes a fine herd of grade Herefords. The other half operates a portable sawmill, with which he turns out more than two million feet of air-dried lumber a year.

Dub Newsom expects double work out of his machinery, too. And he seems to have found a way to get it. Here's what he says:

"The power unit in my sawmill cost \$5,000, and I surely want to protect this kind of an investment with tested lubrication. So I've used Conoco lubricants for 10 years.

"One thing that *really* sold me was my ex-

perience with Conoco Heavy Duty oil in a 120-hp Continental Red Seal engine. I used this engine for four years . . . over 8,000 hours of carefree operation . . . and I never had to adjust the tappets, or *do anything* to that engine!

"Another clincher was the operation of my Chevrolet lumber truck . . . 89,000 miles of full-load operation over all kinds of tough, dusty roads . . . and only *one* valve-grinding job! I attribute this remarkable achievement to the quality of your HD oil. With this perfect lubrication, I've almost eliminated repair bills."



### Pork Steaks Creole

... by Mrs. Warren Heeren  
Remsen, Iowa

4 pork steaks #2½ can tomatoes  
shortening for browning steaks ½ cup raw rice  
¾ cup diced green pepper 1½ teaspoons salt  
½ cup chopped onion ½ teaspoon pepper  
¼ cup water

Brown pork steaks on both sides in heavy skillet. Remove steaks from pan. Pour off half of melted fat. Sauté green pepper and onion in fat. Add tomatoes, raw rice, salt, pepper, water and browned pork steaks. Cover and simmer over low heat 1½ hours, stirring occasionally. Serves 4.

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

### FARM KITCHEN

#### Bin on Wheels

Save labor and scooping by mounting an old combine grain bin as shown, says Paul Reiss, Wilcox, Nebr. Use for unloading combine, grinding feed, or shelling corn. You can haul it anywhere with a tractor.



### Why "Heavy Duty" Oil?

When your tractor is plowing or doing other heavy duty work, the engine operates at very high temperatures, oil is rapidly oxidized, and gum is formed. So you need the "cleaning" action of a "heavy duty", detergent oil to keep lacquer from being deposited on rings and pistons. On the other hand, even when your tractor is doing light work like powering a hammermill, you still need a heavy duty oil. And here's why: Because your engine is running cool, moisture condenses and, because gasoline is not completely burned up, a gummy residue forms inside your engine. The heavy duty detergents in Conoco HD Oil and Conoco Super Motor Oil disperse moisture, prevent the accumulation of sludge, and prevent ring sticking. Remember—they're *both* Heavy Duty—will keep your engine new and clean.

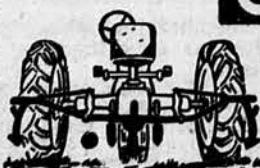
### "50,000 MILES NO WEAR!"

After a punishing 50,000-mile road test, with proper crankcase drains and regular care, engines lubricated with new 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.



### Makes Ridge for steering

At first cultivation with tricycle tractor, attach two covering shovels from planter to rear center sweepshank. They throw up ridge in furrow center, make steering on second cultivation easy, says Ewald Riethmeyer, R. 1, Thrall, Texas.



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