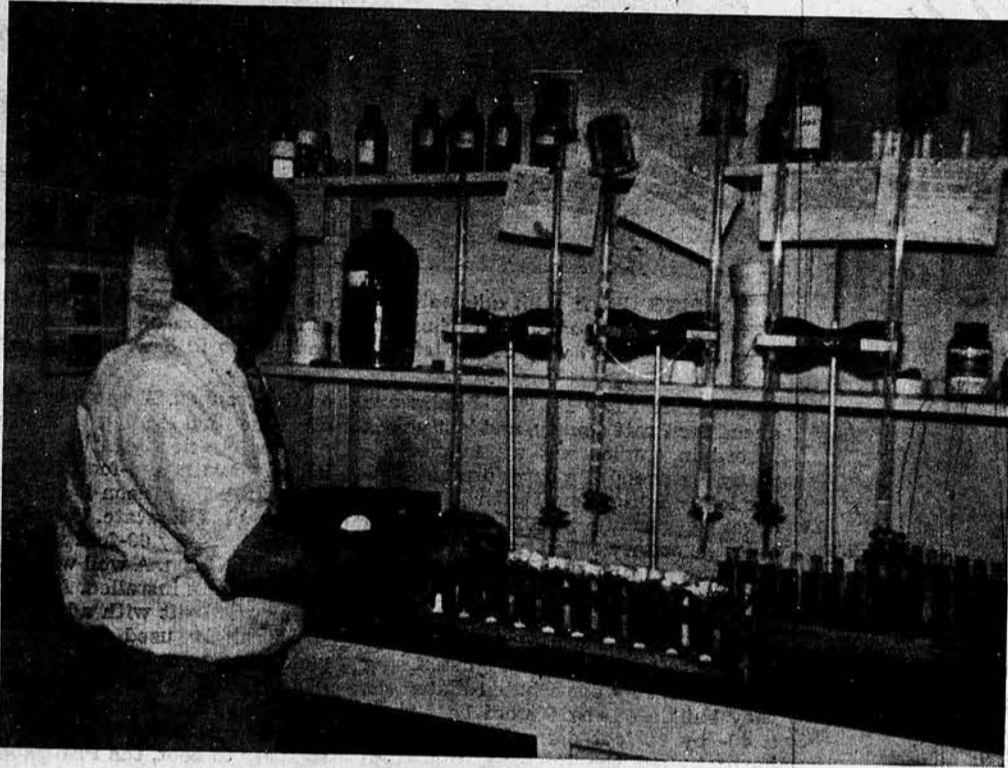


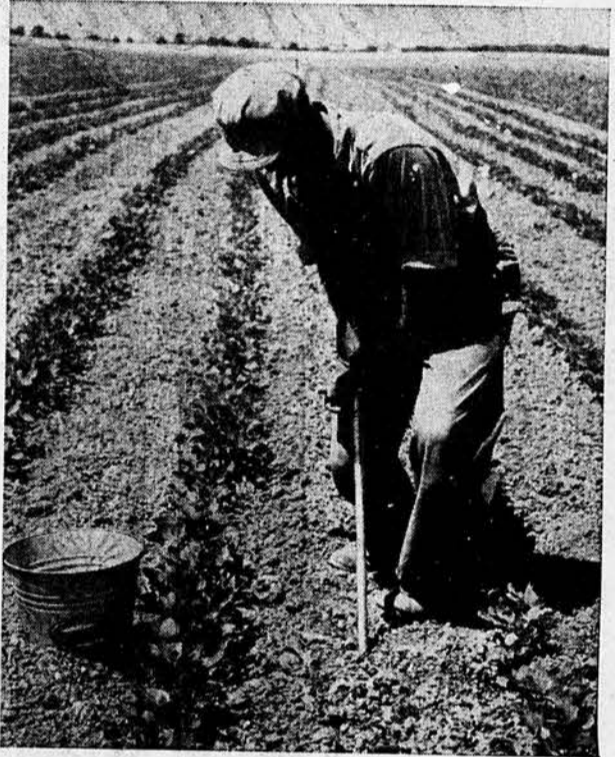
cp2

JULY 18, 1953

Kansas Farmer



SOIL-TESTING LABORATORIES are now found in 46 Kansas counties, with 8 more planning new ones. Here Guy Rogers, Anderson county farmer, doubles as official tester for his county.



USING A PROBE in his soybean field, Merl Barnes, Woodson county, is preparing a soil sample for testing by his county laboratory.

How to Know What Your Soil Needs

Is it short on lime, nitrogen, phosphorus, potash for average or better yields? Testing will give accurate answer in Eastern Kansas—but how far west will it work?

IN 4 SHORT YEARS the Kansas soil-testing program has about "grown up." First county soil-testing laboratory was established in Cowley county as late as 1949, and already 45 counties in the eastern half of Kansas have followed suit. Eight more counties are expected to establish laboratories in the near future.

Farmers are making more and more use of soil-testing service, too, according to Dr. Ray Olson, head of the agronomy department, Kansas State College. From July 1, 1949, to June 30, 1950, the state laboratory at Manhattan and the few county laboratories available made about 4,400 general soil fertility tests. The next year the number jumped to 7,700 and by the 1951 to 1952 period, 23,000 samples were tested.

Where essential, soil laboratories have done a good job of education on the need for fertilizers, [Continued on Page 31]



SAMPLES FROM various parts of the field will be mixed in a bucket by Mr. Barnes and later put in paper carton for transfer to soils laboratory.

- "Our Goal . . . a Safe Community"Page 4
- England's "Tight Check" on FarmersPage 8
- Interesting Notes About Farm FolksPage 10

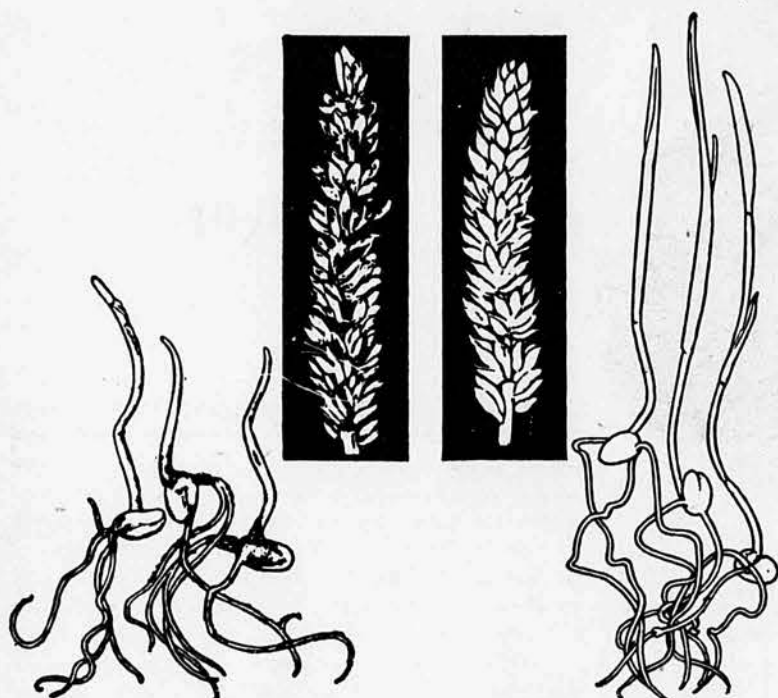
MANHATTAN STATE COLLEGE
MANHATTAN KANSAS
52100-2

New liquid seed disinfectant

NO POISONOUS DUST

Panogen

controls many fungus diseases of wheat and other small grains



Untreated wheat

Panogen-treated wheat

Effective disease control with Panogen increases wheat yields up to 5 bushels per acre—often more. At a cost of only a few cents per acre, you can harvest extra crop dollars—get greater yields—better quality. Panogen pays for itself many times over, experiment station tests* prove.

Eliminates mercury dust hazard to wheat growers and seed processors

Ideal for wheat growers

- No dangerous dust to irritate
- Kills many fungus disease spores on seed and in soil
- Such a minute quantity of Panogen is added that the seed can be safely stored
- Panogen acts quickly

Ask your seed processor about Panogen, the new, no-dust liquid seed disinfectant.

*Highly satisfactory results obtained at state agricultural experiment stations in Kansas, Illinois, Minnesota, Wisconsin, Washington and many others.

For full information on Panogen, write to E. E. Vilm, Machinery & Scales, 149 North Quentin, Wichita 8, Kansas or to:

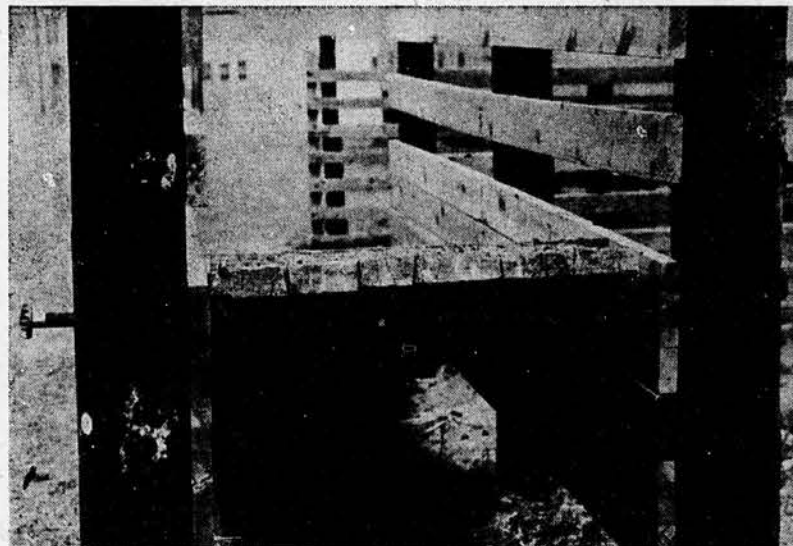
PANOGEN, Incorporated, Ringwood, Ill.

For seed processors

- Panogen creates no dangerous dust
- Ready-to-use liquid—can be applied automatically. No added water needed. No mixing or manual handling
- Wheat growers appreciate Panogen-treated seed
- Dyes seed a distinctive reddish tint as seed is treated
- No fire hazard—doesn't freeze
- Treated seed can be stored

Get better seed treating with "Push Button" operation—use Panogen.

Pratt County Rolled up Sleeves To Make Real Progress With Fair



LOADING CHUTE with adjustable ramp is popular addition to Pratt county fairgrounds. One man can adjust ramp as there is separate pin in each side, one shown part way out at left. Ramp adjusts to fit 3 wagonbed heights.

BIGGER AND BETTER fairs are ahead for Pratt county, and last year's record in entries and attendance already are proof of a sure formula. Under leadership of the Extension office, organizations and individuals from all over the county rolled up their sleeves and pitched in. Co-operative efforts have paid off.

Farmers of the county participated in 20 organized workdays from November to fair time in August. Using almost entirely contributed materials, they built a 40- by 60-foot beef barn, a 40- by 60-foot dairy barn, a show barn, tinned the outside, installed butane heaters, concrete floors, showers, new all-steel kitchen and painted the interior of the year-around auditorium

on the grounds. The county graded and oiled the road leading to the fair.

Complete new lighting system was installed with a 6-foot diameter 4-H emblem done in neon lights—only one of its kind in the state. Veterans classes erected a 32- by 60-foot sheep, poultry and rabbit barn. A well was drilled and a septic tank installed. A new loading chute was built with adjustable ramp so it can be used at 3 levels to fit pickup, farm, or semi-trailer trucks.

An actual 5 years of work for the average county of its size, in one year, it was explained. With 3 days of ideal weather to boot, the Pratt county fair last year was best ever.

Stock barns are of pole-type construction.

FARMING "FIRSTS"

Spaniards carried idea of cultivating sugar cane as a crop to the West Indies.

History of the jack in the United States dates to colonial days. About 1787, 2 jacks were presented to George Washington and were placed on his Mount Vernon farm. The 2 jacks came from Spain and France.

Father of the science and art of cattle breeding was Robert Blakewell (1725-95), of England.

Ayrshire cattle had their origin in Scotland, shortly after first part of the 19th century.

Ayrshire cattle were first imported in United States between 1820 and 1830, presumably in Connecticut, in 1882.

In 1620 potatoes were carried from England to Flanders, were cultivated in Saxony after 1717, and in Prussia in 1738.

Using sugar and cream with strawberries is believed to be first used as early as 1560. Practice may be traced to earlier date in France, but no written mention was made of strawberries with sugar and cream until 1560.

Hereford cattle originated in England, and first importations into the United States were made in 1817, 1824 and 1840.

Guernsey cattle were originated and developed on the Island of Guernsey, one of the Channel Islands.

First Guernsey cattle imported into United States were about 1833, in New Hampshire.

First real public introduction to Guernseys was by New York and New Jersey Agricultural Experiment Stations, in late 1800's.

First importation of Red Polled cattle for breeding purposes was made by G. F. Taber, of New York, in 1873.

First Year U. S. fertilizer consumption passed the 10,000,000-ton mark was in 1943. In 1949 total use was 16,500,000 tons! In 1950, total was 17,938,988 tons! In 1951, total was 18,665,748 tons!

Complete New Testing Lab

Nearing completion is the new \$120,000 Kansas State Board of Agriculture testing laboratory, at Topeka, on the State Hospital grounds. Chemistry, dairy, and seed and feed laboratories will be housed in the new building. Being finished are roadways and landscaping. Marvin Schreiber, chief chemist with the board, will be in charge of the laboratory.

KANSAS FARMER

Continuing Mail & Breeze

ARTHUR CAPPER... Publisher (1893-1951)

121-123 West 8th St. Topeka, Kansas

Vol. 90, No. 14

H. S. BLAKE... President and Publisher

Raymond H. Gilkeson... Editor

Dick Mann... Associate Editor

Gordon West... Associate Editor

Carl Eiche... Associate Editor

Florence McKinney... Women's Editor

Dr. C. H. Lerrigo... Medical Department

Mike Wilson... Livestock Editor

J. M. Parks... Protective Service

Scherl L. Walquist... Advertising Manager

A. E. Carson... Circulation Manager

Member: Audit Bureau of Circulations, Agricultural Publishers Association, National Association of Magazine Publishers.

Published the first and third Saturdays each month at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered as second class matter at the post office, Topeka, Kan., U. S. A., under Act of Congress of March 3, 1879.

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

THIS IS HOW MUCH MORE TRACTOR YOU CAN GET TODAY!

NEW!



Announcing the **NEW** 2-3 Plow



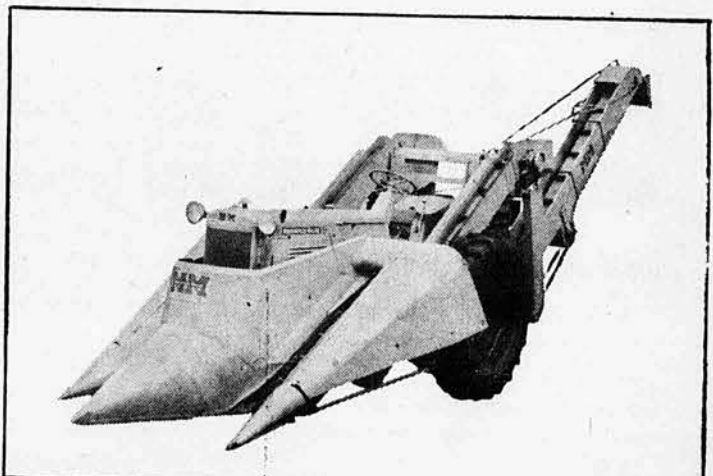
Tractor

See your MM dealer and find out how much *more* tractor you can get for your equipment dollar. Ask him to show you the 2-3 plow power, the many new advantages for easier, more comfortable, and more economical operation built into the new Minneapolis-Moline ZB Tractor. See for yourself the accessibility of all controls . . . the high platform that puts you way up above dust and heat . . . the improved Flote-Ride seat that takes the bumps out of the roughest fields! Check the new safety features . . . the new heavy-duty disc-type brakes . . . the powerful 12-volt electrical system . . . the wide-angle, split-beam headlights sealed from dust and dirt. *See and drive* the new ZB Tractor. Discover *all* the new advantages that make the ZB today's *greatest tractor value* . . . tomorrow's *top profit producer* on your farm!

- 1 NEW CENTER LINE STEERING** gives you equal vision on both sides of the tractor.
- 2 NEW FOOT CLUTCH** located to left of steering column. Large capacity clutch and long pedal make operating easier.
- 3 NEW SAFETY FEATURES!** Uni-Matic and PTO attachments fully shielded.
- 4 NEW HIGH PLATFORM!** On the ZB, you're way up out of the dust and heat. Sitting or standing, you're safer, more comfortable; you have entirely new visibility.
- 5 NEW FLOTE-RIDE SEAT!** Never before such comfortable tractor driving.
- 6 NEW LIVE POWER TAKE-OFF!** Optional live PTO lets you stop the tractor without stopping PTO . . . start up again without touching tractor clutch or gearshift.

Check Value

- 7 NEW BRAKE SYSTEM!** Longer brake pedals, both at right of steering column; new disc-type brakes.
- 8 NEW 12-VOLT ELECTRICAL SYSTEM!** Double voltage for quick, sure starts, longer battery life.
- 9 MORE POWER!** Higher compression cylinder heads, high compression ratio . . . for more power . . . dollar-stretching fuel economy.
- 10 NEW SPLIT-BEAM LIGHTS!** Easier roadwork . . . safer road travel. Sealed against dust and dirt.
- 11 NEW PRESSURE COOLING!** Automotive type cooling system for longer engine life.



AVAILABLE NOW!
2-Row Mounted Huskor for the ZB Tractor
 This 2-row Huskor attachment mounts right on the ZB tractor with just two simple hook-ups . . . gives you self-propelled corn harvesting with new ZB economy! Five-position floating snouts, four 53½" snapping rolls, ten new type 36" sectional metal and rubber husking rolls, and a large-capacity shelled-corn saver guarantee you a thorough job to help get *all* your crop!

CHECK WITH YOUR MM DEALER FOR COMPLETE FACTS ON THE MANY BIG VALUE IMPROVEMENTS BUILT INTO THE NEW MM ZB

MINNEAPOLIS - MOLINE MINNEAPOLIS 1, MINNESOTA



"OUR GOAL . . . A SAFE COMMUNITY" was theme of Driftwood Sunflowers safety program. This booth placed in top blue-ribbon group at Kansas State Fair, in Hutchinson. Grim reaper pushed treadle which turned emery wheel sharpening scythe. Result: 18,000 deaths to farm folks.



CHAMPION 4-H FLOAT at annual rodeo parade stressed safety in hauling livestock. A movable platform depicted proper way of leading a calf and reverse side showed runaway calf dragging a boy. The 4-H colors, green and white, predominated.

"Our Goal... A Safe Community"

Driftwood Sunflowers 4-H Club won top honors in safety contest, will do more than ever this year

By CARL EICHE

SAFETY is everyone's business. But Driftwood Sunflowers 4-H Club members, Rawlins county, have made it their special brand of business the last 3 years. As a result of their excellent work, they were chosen champion club in safety for Kansas in 1952.

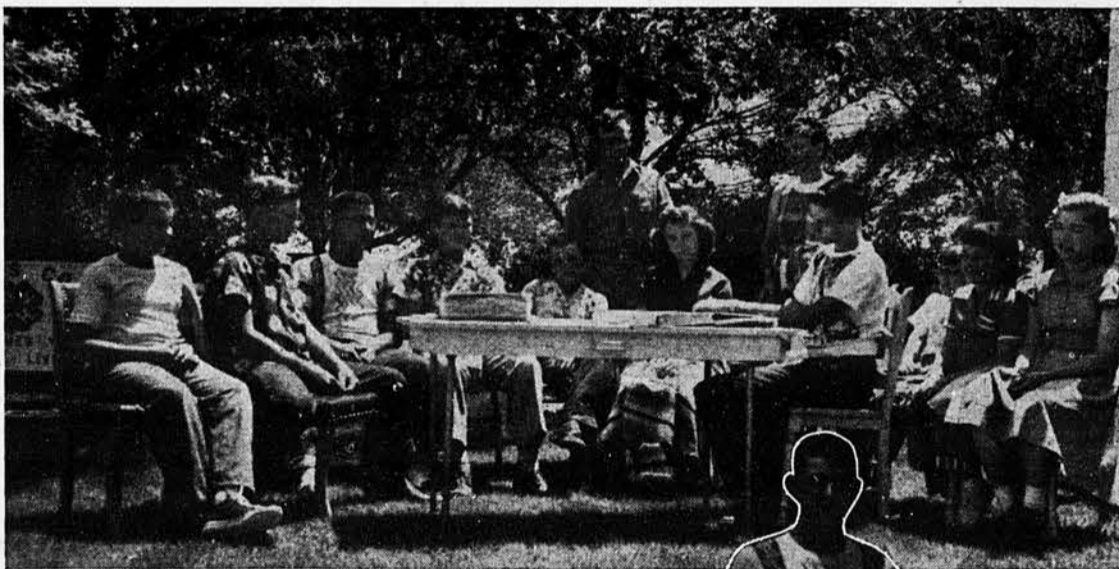
The 30-member club and their leaders, Mr. and Mrs. Frank Sawyer, have winning ways.

Just starting their 4th year as a club, they have won a state championship in safety, another in a health contest in 1951, besides many honors at county and district 4-H contests. They have won many friends in the county, too, by continually stressing that any honors earned by their club are to be recognized as Rawlins county achievements, not just their club.

The club considers their safety program too valuable to drop this year even tho they aren't eligible to win the state title. There is no reason to believe their work this year will not be as intensive and as well-recorded as last year. They have assumed added tasks in safety, and plan to continue the other projects already started.

Perhaps the most outstanding feature of the organization of this safety work is how this club is broken up into safety committees. They include a safety work committee, program committee, float committee on safety, farm survey committee, booth committee on safety, and a safety committee for county fair. These committees usually lay the groundwork for the club and are of greatest value in that capacity, but the whole club participates in carrying out the objectives.

See how the committee system works. At a regular meeting it is brought to the attention of the club that some highway signs in the county need repairing and are not marked as clearly as they should be. Also, there are danger spots along the [Continued on page 28]



SAFETY COMMITTEE (above) meets at home of club leaders, Mr. and Mrs. Frank Sawyer, to outline work in connection with public roads. This will consist of marking dangerous spots with red flags, and marking signs that need repairs over 75 miles of road in the county.

DRIFTWOOD SUNFLOWERS (at right) posted 4 of these signs on highways entering the county. This sign was removed while road was being repaired and will be repainted before it is put back. All letters on sign are painted with reflectorized paint to show in darkness.



Kansas Farmer

News and Comment

Butter—a Mark of Quality

DAIRYMEN from 9 Central Kansas counties met at Hoisington in June and voted to pool a monthly deduction from their incomes for nation-wide advertising of dairy products. Similar meetings were held at 3 other places in the state. Producers from these counties—Barton, Saline, Sedgwick, Pawnee, Russell, Rush, Rice, Ness and Stafford—voted to give, on a year-around basis, 1/2-cent a pound on butterfat they produce or 2 cents a hundred pounds on whole milk toward telling consumers about the values in milk, cheese, cream and butter.

The meeting was sponsored by the Kansas Dairy Association, Kansas State College and the Interbreed Dairy Council. A meeting of the dairy association is scheduled in Topeka late this month for further action on this year-around collection.

Smart work to tell the buying public about dairy products. A strong advertising campaign is behind every important thing you buy today. A look around your farm will prove that to anybody.

Here is a clever idea being put over by the American Dairy Association. ADA is "selling" food manufacturers on the importance of using the word "butter" as a key part of their advertising. "Butter in the food field is a true mark of quality that pays off with the consumer," says the association management.

Irrigation Help

IF YOU PROPOSE to do something about the weather, by way of irrigation, the weatherman and the agricultural engineer together can help you estimate your prospects for profit. At least that is something for the future, we are told.

Weather, engineering and crop information can be combined to estimate irrigation requirements, costs and gains, according to a report from the American Society of Agricultural Engineers.

Differences in rainfall patterns as well as total amounts, between neighboring localities, combine with differences in soils, crops and water requirements to influence profit possibilities of irrigation. Weather facts can thus aid the agricultural engineer in helping you decide what crops and what acreage you can plan to irrigate profitably, what system of irrigation, combination of pumps, pipes and power may give you lowest over-all cost, and what operating procedures may represent highest net economy.

While such complete service is in the future, irrigation help is immediately available from Kansas State College, your county agent, farmers who already have used irrigation, articles such as the one coming to you in your August 1, 1953, *Kansas Farmer*, from companies that

manufacture pumps and irrigation equipment, and from your local dealers who handle this equipment. Kansas is far from being an amateur in use of irrigation. It has paid in the past, will pay abundantly in the future.

Ask for Identification

IF SOMEONE comes to your place offering to get rid of termites, spray your trees or do a general pest-control job, ask to see his license. Under provisions of a law passed by the 1953 legislature, all operators in this kind of control work are required to be licensed for the 1953-54 fiscal year.

Robert H. Guntert, of the Kansas Entomological Commission, who will be in charge of administering the law, said registration forms have been mailed to all known operators. He estimated 125 will be licensed.

Apparently the law was needed because of practices of "fly-by-night" operators, according to the Kansas State Board of Agriculture. Kansas is among the leaders in legislation for closer control of those engaged in use of pesticides, and of pesticides used in the state.

Newcastle in Calf

THE VIRUS of Newcastle disease, one of the major threats to poultry, has been found in a calf housed near poultry pens, according to a report by livestock health authorities.

Research workers at the University of Rhode Island state the calf, kept in a special isolation unit, became ill and died of respiratory trouble. Investigation revealed the Newcastle disease virus present in the calf's system.

The isolation unit was located about 50 to 100 feet from poultry pens where research in respiratory diseases of poultry was underway. Authorities say transmission of the virus to the calf was the first natural outbreak of Newcastle disease reported in cattle.

More Farm Land

DON'T WORRY about growing cities, highways, airports and industrial plants overrunning farms. In answer to a recent query, it is estimated by USDA authorities that between 1 million and 1 1/2 million acres of agricultural land are being absorbed annually by airfields, industry and highways. On the other side, 1 1/2 to 2 million acres are being reclaimed by drainage and irrigation each year on the average.

This might be interesting from the standpoint of food producers: For the past decade an average of 600,000 new families have started homes each year, many of them on one-time farm land. That many new families each year should make a better market for milk, eggs, meat and flour.

Part-Time Farming

SMALL FARMS make up a third of all farms in the Nation. The Census lists two-thirds million part-time farmers in the U. S. and another million "residential" farmers who do a little farming for income. There soon will be a "Part Time Farming" bulletin issued by the Department of Agriculture, which has some advice on size of part-time farms and how to operate them. It gives advantages and disadvantages.

But here is an interesting sidelight by Charles E. Rogers, of the Bureau of Agricultural Economics, we think you will appreciate:

Heading it "Two-Way Street" he wrote: With 1 1/3 million families living on part-time and "residential" farms, our readers may get the



"Every man can't be the very best of all, but every man can be his very best."

"Some folks don't want what they want when they want it."

"Sign seen by a roadside stand: Black and Blue Berries."

"A duck farm is a place where things pick up when you can pick down."

"Borrow trouble for yourself, if that's your nature, but don't lend it to your neighbors."—Rudyard Kipling.

"Big shots are only little shots who kept on shooting."—Christopher Morley.

"Have you got anything for hiccups?" asked a man who rushed in the drug store. The druggist seized him by the neck, shook him until his teeth rattled. The customer objected, saying "Hey! What's the big idea?" "Well," said the druggist, "You don't have hiccups now, do you?" The irate customer hissed: "No, but grandpa has. He's out in the car!"

impression all of these are families who once lived in the city, dreamed of a quiet life in the country, and then made their dreams come true. But this is not so.

Undoubtedly, a very large number have moved from the city; but we must remember, country folks have dreams, too. They dream of the good money they can make from city jobs. So they . . . many of them . . . take jobs in town, and are then classed as "part-time" farmers. Probably more do this than the other way around, or so we are told.

Another thing to notice is there are some families who live in the country, have a garden and keep a few chickens, but whose operations are not large enough to be counted by the Census as farms . . . even as "residential" farms. This means in terms of mere numbers the 1 1/3 million is a conservative figure.

Mighty Early Start

CHICKS HAVE enemies working on them even earlier than you might think. The fungus which causes a disease called aspergillosis in chickens may penetrate the eggshell and infect chicks before they are hatched, according to the American Veterinary Medical Association. The association's journal reports a case of 4-day-old chicks with the disease. It usually is caused by moldy litter, but in this case the chicks had been kept in the incubator and had never been on litter. The report said poor management apparently had reduced the resistance of hens and embryo chicks, giving the fungus a chance to gain a start.



"You've got to put your foot down—I just dry them!"



"What I REALLY am is a bodyguard!"

If you are farming to make money use this oil...



THE REPAIR and replacement of machinery are some of the expenses of farming. Whatever reduces such expenses saves you money. It's sensible to use Phillips 66 Heavy Duty Premium Motor Oil. It effectively reduces wear, corrosion and engine deposits in machinery operating under the heavy duty conditions of farm work. It provides Lubri-tection—lubrication plus engine protection. It helps cut expenses by cutting maintenance costs. Get it from your Phillips 66 Dealer or Tank Truck Driver.

This Grass Beat Flood and Drouth, Does Well Alone or in Mixtures



DALE HEREFORD, right, Bourbon county, tells County Agent Kenneth Dale Carson that reed canary grass is returning big profits when seeded alone on bottom land or in grass-legume mixtures on upland.

DALE AND LOU HEREFORD, Bourbon county, are "sold" on reed canary grass for their area. Their respect for this grass goes back more than 20 years when they first seeded some 30 acres of flood-exposed bottom land to reed. Over the years this grass has withstood both floods and drouths and is still going strong.

Dale Hereford says: "This particular field of reed canary grass on our farm has amazed us at times. When it does flood it catches so much silt the grass will be entirely covered up at times. Of course, we can't utilize it the rest of such seasons but before we know it that grass is coming right back out thru the silt. It really does well in wet soils."

Last winter cattle and horses ran on this pasture until April 15. "At that time they had eaten it into the ground," says Mr. Hereford. "But the stuff went ahead and made about 3 tons of hay an acre. It was shoulder high and thick as hair on a dog's back when we cut it. I don't think the hay is as palatable to cattle, however, as some other grasses."

One thing Hereford Brothers have learned is that reed canary grass also works in well with grass mixtures. Says Dale: "In our fields there always are low places where other grasses don't do well." They are seeding mixtures

containing 5 pounds of reed canary grass, 2 pounds of ladino, 5 pounds of Kentucky 31 fescue, 5 pounds of orchard grass, 4 or 5 pounds of red clover and 1 pound of alsike to the acre.

Reed canary grass is slow getting started, Hereford Brothers report, but spreads both by seeds and runners. When they seed it alone they usually broadcast it in February following a good snow.

These Folks Won In Dairy Contest

Results in the *Kansas Farmer* Dairy Judging Contests in connection with spring dairy shows are reported:

Canton 2 Brown Swiss, El Dorado: Flooded out.

Canton 3 Brown Swiss, Harper: Marvin Beal, Danville, and William Timmerman, Freeport, tied for 1st. Albert Behrman, Bluff City, and Howard Thomas, Sharon, tied for 2nd. Ivan Wagner, Freeport, and Henry Duwe, Freeport, tied for 3rd.

Canton 4 Brown Swiss, Hutchinson: F. M. Webber, Kingman, and Mrs. Earl Webber, Arlington, tied for 1st. Ross Zimmerman, Abbyville; Howard Lutes, Cullison; C. C. Lewis, Cullison, and Mrs. Calvin Lewis, Cullison, tied for 2nd.

Merle Magaw Revamps Buildings For Sheep Feeders and Shelter

YOU CAN PUT sheep anywhere and Merle Magaw, Rice, has the proof. The Magaws started raising sheep in 1937, moved them into a horse barn and cut former mangers down to size for feeding sheep alfalfa hay. Former milk barn on place became a chicken house with strawloft but now makes an ideal sheep maternity pen. Movable pens can handle 20 to 30 ewes at a time.

Shed, 40 by 80 feet, was built on horse barn as sheep raising expanded.

Second day after lambing, west end of shed is fenced off enough that lambs only can enter for supplemental creep-feeding of grain.

Magaws find 200 ewes is comfortable maximum for their equipment and 160 acres they farm. After much experimenting with dairy and poultry projects, they also believe turkeys provide best complementary project to go along with sheep production without conflicting with labor at busy lambing time.

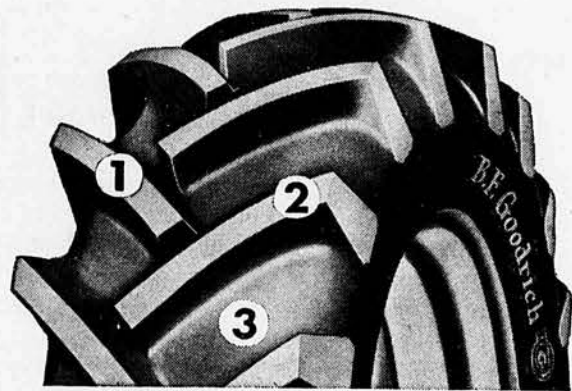


MERLE MAGAW is shown with part of his ewe flock in front of shed addition he built on to main barn to handle lambing on his farm near Rice. Left half of addition later becomes creep-feeder.

B.F. Goodrich

announces a new, bigger tire—

Power Grip



- ① **BIGGER CLEATS**
for a bigger bite
- ② **BIGGER SHOULDERS**
for longer wear
- ③ **BIGGER ALL AROUND**
for more pull

It looks bigger... it is bigger!

BIGGER! More powerful! It's America's newest tractor tire—the B. F. Goodrich Power-Grip!

Look at those husky knife-action cleats. The high shoulders permit deep penetration. Knife-action cleats bite deeper, give you greater drawbar-pull. Heavy implements, wet ground or slick cover crops won't interrupt your work schedule when these big B. F. Goodrich cleats dig in and go to work.

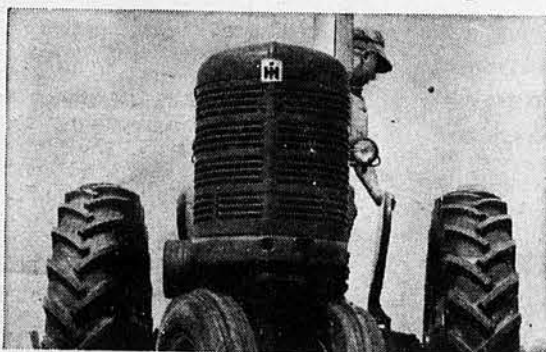
Measure the broad, wide tread and you'll find that no leading make of tire is wider

than Power-Grip. This means the tire has a larger footprint, gives greater flotation.

Bigger Power-Grip shoulders mesh with the soil like the teeth of a gear, take a firm grip for full traction in reverse as well as forward. You work more land in less time because these rugged, square-cut shoulders defy slippage. Every turn of a Power-Grip tire counts for maximum traction.

Yes, the all-new B. F. Goodrich Power-Grip tractor tire *is* bigger and better in every way. It pulls better, gets you through the

roughest going without wasting valuable time and fuel. It's the biggest tire value on the market today. See new Power-Grip tires at your B. F. Goodrich retailer's store. The address is listed under Tires in the Yellow Pages of your phone book. Or send in the coupon below.



THE POWER-GRIP OPEN-CENTER TREAD cleans naturally as it rolls. Dirt is thrown from the open center and open channels by the flexing action of the tire. Each knife-action cleat is free to dig into the soil. And the BFG Power-Grip tread stays clean.

IT'S A NEW, BIGGER TIRE. It's the type and size tire that comes on new tractors. Size for size, no leading make of tractor tire is bigger than a B. F. Goodrich Power-Grip. You can replace old, worn tires with big BFG tires and get more power out of your tractor.



The B. F. Goodrich Company
Department F-117, Akron 18, Ohio

- Please send me free information on
- Power-Grip tires
 - "Easy Steer" front tires
 - Truck tires
 - Tubeless passenger car tires
 - Name of my nearest retailer

Name _____

Address or RFD _____

Town _____

State _____

SORGHUM SILAGE



for feed security

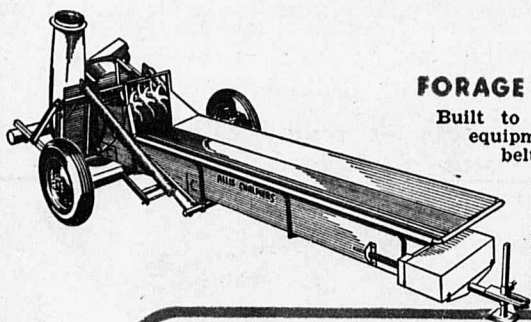
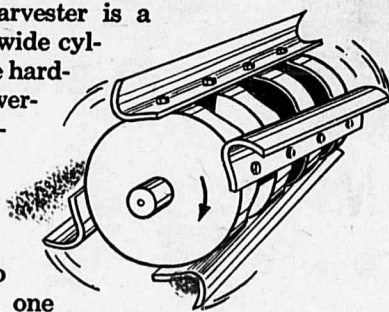
Come drouth or winter storms, you'll be prepared if you have silage. There'll be no buying of high-priced feed or forced selling of breeding stock.

Making tons of heavy silage is an easy, power-saving job with Allis-Chalmers forage equipment. The WD Tractor, forage harvester and forage blower are all matched in capacity to keep green tonnage flowing steadily from field to storage.

Allis-Chalmers Forage Harvester Offers Big Capacity . . . Takes Less Power

The heart of the forage harvester is a heavy (200 pounds), 3-foot wide cylinder with four specially case hardened knives which are power-sharpened right in the machine. These knives are spiraled to give a continuous clean-shearing action . . . cupped to throw each knife-ful of chopped material into your wagon or truck. This one power-saving cylinder does the complete job of cutting and delivering in one motion.

Ask your Allis-Chalmers dealer to demonstrate this big-capacity forage harvester, and you'll realize how easy it is to have plenty of feed for your livestock . . . year after year.



FORAGE AND GRAIN BLOWER

Built to keep up with your harvesting equipment. Large lift-up hopper has belt-type conveyor for handling ensilage, chopped hay, and all grains. Big steel fan, with curved throw-and-blow blades, moves more material with less power. More capacity with 9-inch pipe.

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.

4-SEASON FORAGE HARVESTER

FALL — harvest row crops for silage. WINTER — cut stalks for soil mulch or livestock bedding. SPRING — make grass silage. SUMMER — clip pastures, weeds and stubble.

Forage Harvester shown with row-crop attachment. Windrow pickup and direct-cut attachments are also available.

Farming in England Is Different

. . . A "C" farmer is below required standards and may be put off his land—every farm is government-inspected every year



TWO ENGLISH FARMERS, W. Turrell, left, and W. Burt, right, study a Kansas wheat variety with Dick Mann, associate editor of Kansas Farmer. The 2 Englishmen were guests of Kansas Farmer at the annual Kansas Experiment Station Agronomy Field Day, at Manhattan. Mr. Turrell was 1952 world champion wheat grower with a yield of 125 bushels an acre.

Editor's Note: This is second of 2 stories on farming practices and marketing conditions in England as told to Kansas Farmer by 2 English farmers whose visit to Kansas was sponsored by Capper Publications.

AFTER TOURING a section of the Kansas bluestem area, W. Burt, of Kings Lynn, England, shook his head. "We just don't have land in any such amount as that to use for livestock," he said.

Mr. Burt owns a 350-acre farm with only 60 acres in grass, the rest in cropland. At that he has 100 head of beef animals, counting calves of all ages. But his livestock program is not handled like anything in Kansas.

"For one thing," he says, "we can't afford to use one nurse cow for one calf and let them run loose like yours do. We pick out a good milk-producing cow for a nurse cow, put her in a stall and assign 3 calves to her. These calves are kept on the cow 3 months, then taken off and 3 more calves turned in with the nurse cow. In this way we raise 9 to 12 calves a year on each nurse cow.

Calves begin to eat a little feed beside milk at about 2 months old," says Mr. Burt. "At 3 months old, when they are taken off the nurse cow they are fed cottonseed cake, hay and sugar beets. We keep our calves in barns the first year. They go out on grass the following summer and are fed again the following winter. I try to market my cattle when they are about 2½ years old and preferably in April, or when beef prices are highest.

Know What's Coming

"In England we farmers know 2 years in advance what we will get for our livestock and 1 year in advance what the price will be for most of our crops. This is because during and following the war all farm products, meat and crops, were purchased directly by the government. Prices for farm products were agreed upon between government officials and officials of the National Farmers Union. We can do this in England because England is a food-importing nation and there is no danger of overproduction.

"In 1947 when this price-fixing was first agreed upon between the government and the National Farmers Union," says Mr. Burt, "we decided it was best to put a ceiling on prices to keep them in line with world prices. In turn, the government guaranteed a fairly high floor under prices in case prices broke too fast. In other words, we took a safe course and sacrificed some profits in recent years to prevent too much inflation followed by ruinous drops in prices."

About 90 per cent of all farmers in England belong to the National Farmers Union, Mr. Burt explained. They

pay 6 pence an acre dues each year. In return they get legal aid, 2 monthly journals and price negotiation service with the government. All farmers, not just members, benefit from any price guarantees.

During the war, says Mr. Burt, the government took drastic steps to see that farmers did not hog their food and that they did not sell in the black market. "We were allowed our own milk and eggs," he explains, "for home use and were allowed to kill 2 pigs. Many city folks tried to buy small acreages to get these extra food allowances. To block this the government had a ruling that you had to live on a farm 4 months to be classified as a farmer.

"In order to kill a pig or any other farm animal you had to apply for a permit 4 months in advance," says Mr. Burt. "During the 4 months waiting period an inspector called on your farm to see the animal and to size up the situation. When you did kill a pig you had to surrender your bacon ration cards, too."

Keep Tight Check

The English government kept another tight check on farm production, explains Mr. Burt, thru control of feed supplies. "All of our products had to be delivered to government buying stations. When we took eggs, pigs or cattle to market we were given sales slips showing what we had sold. These had to be sent in to the government, which sent back coupons allowing us to buy feed in proportion to what we were marketing. We spent a lot of time making out forms and ran close on feed at times before all the red tape was unwound. But, it worked and had to be done since the government imported much of our concentrates and was operating on a close budget."

Meat has been rationed in England up until this summer, but probably will be off ration soon, thinks Mr. Burt.

A definite change in marketing in England also is beginning to take place this summer. Cereal grains, formerly sold entirely to the government, will now be purchased by commodity committees set up as buying and selling.

(Continued on Page 9)

New Canal Liner

Asbestos Pre-Fab Canal Liner is a new product that protects against water seepage from irrigation systems, stock ponds and reservoirs. Won't rot or decay underground. Economical in cost and to apply, too. Made by Johns-Mansville. For your free copy of, "Canal Liner," write Farm Service Editor, Kansas Farmer, Topeka, Kan.

ing agencies. These committees, or boards, are composed of producers and will set prices, buy all cereal grains offered for sale, and find a market for them. "While prices will be set by these boards," says Mr. Burt, "those prices will have to be in line with supply and demand or the thing won't work."

The idea of commodity boards handling farm products was born when the market on milk became glutted. A milk marketing board was set up and succeeded in pulling the dairy industry out of the red.

"Our meat marketing board has a plan ready to present to the government this year," says Mr. Burt, "so it won't be long until all farm products are handled this way. The plan cuts out some of the middlemen and, of course, is being actively opposed by many of our business interests. We believe this marketing plan will be of great help to small farmers, who did not always get a square deal under the old marketing system."

Alfalfa Seed Production

"Alfalfa Seed Production in Kansas" is a 32-page circular of the Kansas Agricultural Experiment Station, Manhattan, which tells of management, insect control, certification and distribution of alfalfa seed. As a service to readers, a copy may be ordered thru Farm Service Editor, *Kansas Farmer*, Topeka, Kan. No charge. Ask us to order Circular 290.

Until this year the English government paid about a 50 per cent subsidy on use of fertilizers. "This subsidy is being taken off in 1953," Mr. Burt says.

All rent and labor transactions on English farms are "cash," says Mr. Burt. "We don't have any crop share or stock share leases like you do here in America," he explains. "Farm labor is hard to get now as the army takes many boys for 2-years service. The average farm wage is \$3 a day. Most farmers who have sons are taking their sons into partnership."

You can't be a poor farmer long in England for several reasons, Mr. Burt explains. One reason is high taxes. "I have to raise good crops to pay my taxes," he says. The other reason is that farmers are rated by the government as "A," "B," or "C" farmers. An "A" farmer is a good farmer. A "B" farmer is getting by but a "C" farmer is below required standards.

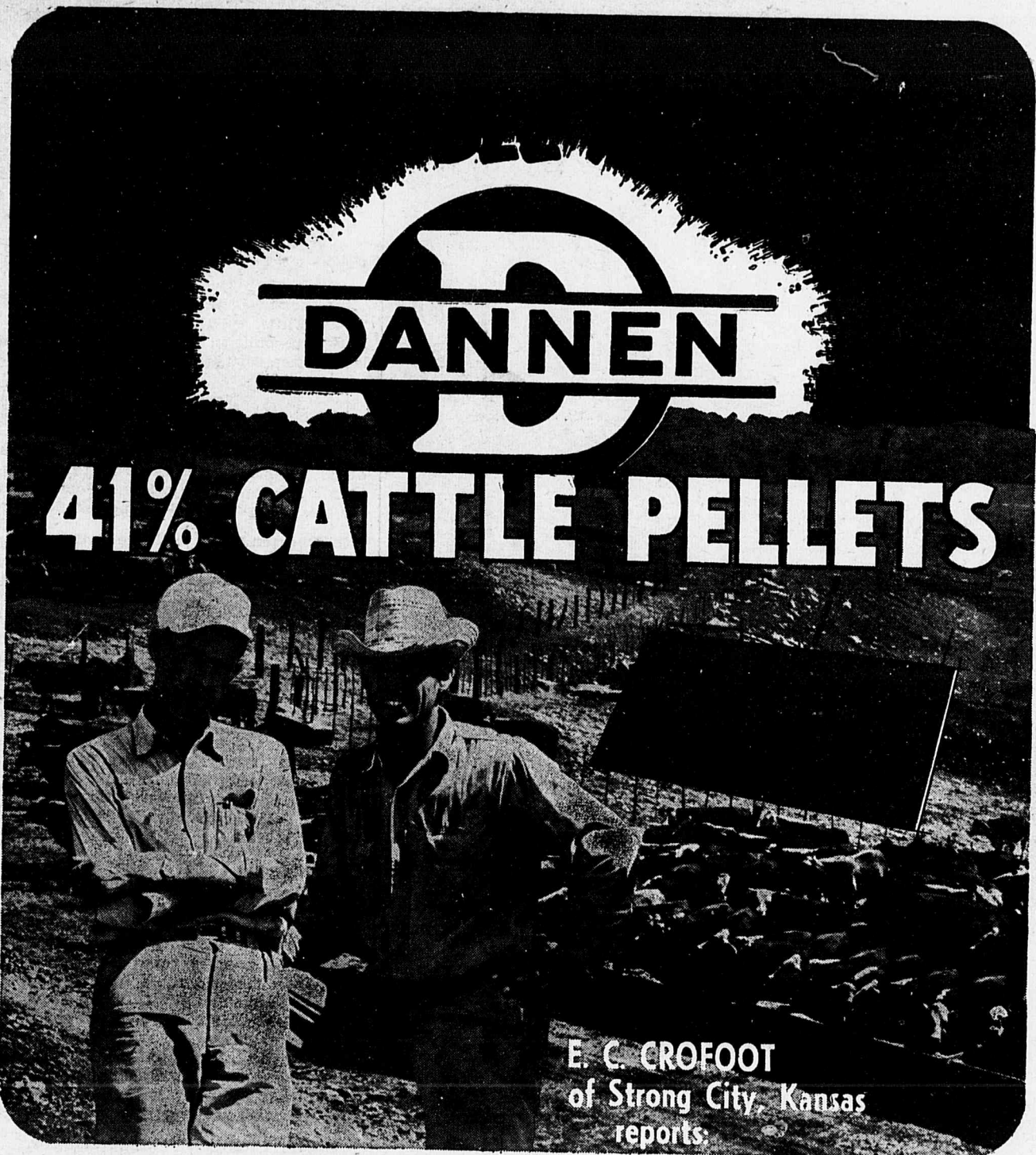
Make Yearly Inspection

"Every farm in England is inspected each year," says Mr. Burt, "by a government executive committee composed of good farmers. A poor farmer is first told he is not doing a good job. He is advised on what changes to make. If he is short of capital he is assisted in getting refinanced. If he doesn't have the right machinery or enough of it he is helped in getting it. . . ."

"If the poor farmer then does not respond and improve within a reasonable time (in judgment of the committee) he is ordered off the farm. If he owns the land he can retain ownership, but the land must be actually farmed by someone who can meet the requirements. If ousted he has the right of appeal to the government."

Farmers in Kansas who were damaged by the 1951 floods can feel lucky they were not farming land in England that was flooded by the heavy tides in 1952, Mr. Burt believes. "The salt water that inundated English farm land left deposits of 5 to 6 tons of salt an acre on this land," he explains.

Mr. Burt is well qualified to speak on English farm problems. He is a member of the local branch executive committee of the National Farmers Union and served as its chairman in 1952. He has been a delegate to his county and national annual Farmers Union conferences and, shortly before visiting America, had luncheon with Prime Minister Churchill to discuss the current farm situation in England.



E. C. CROFOOT
of Strong City, Kansas
reports:

"WE GET ECONOMICAL GAINS ON OUR CATTLE WITH THE DANNEN FEEDING PROGRAM"

"We've fed a large tonnage of Dannen 41% Cattle Pellets. We find Dannen Cattle Feeds are very palatable and are of good quality. These feeds give economical gains. The cattle have a nice finish when ready for market.

"We're happy to recommend Dannen Cattle Feeds to other feeders in this area. We feel certain they will do a good job in their feeding program just as they have for us. We want to compliment Dannen Mills on being able to manufacture these high quality feeds."

Dannen Cattle Feeds do give profitable results. Ormel Martin, Smith Center, Kansas, fed out a bunch of cattle on the Dannen Feeding Program. They gained 2.72 lbs. per day for a 180-day period. And Martin's cattle topped the market with firm, even fleshing.

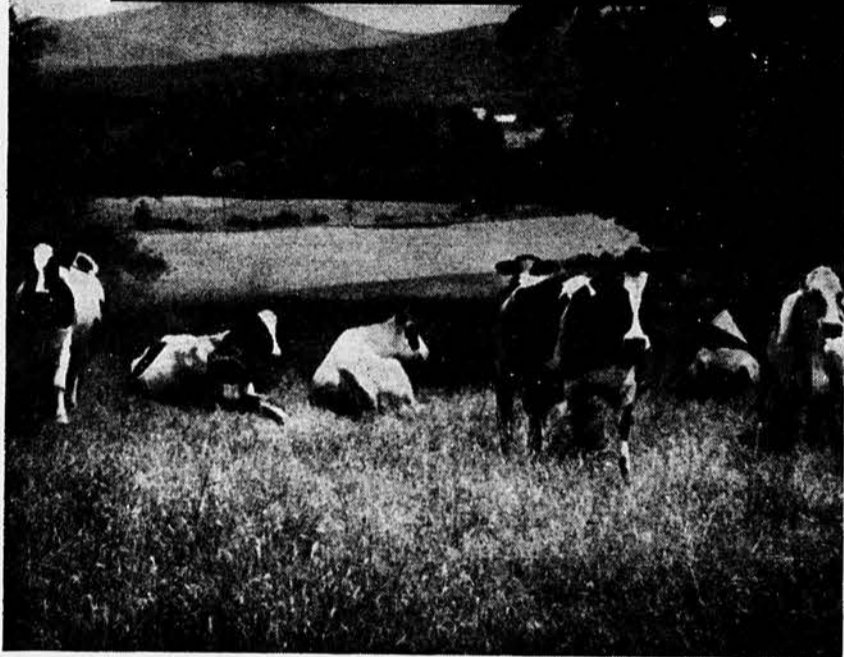
You, too, can get fast, profitable results with Dannen Hunkets, Dannen 41% Cattle Pellets, Steer Producer "A" and Dannen Creep Ration.



Get **TOP GAIN** at
low feed cost with
DANNEN
CATTLE FEED

DANNEN MILLS, INC. ST. JOSEPH, MO.
RED OAK, IOWA

Pep up your pastures with PHILLIPS 66 AMMONIUM SULFATE



Fertilize pastures now to get MORE MILK...MORE BEEF per acre!

● Pastures that are properly fertilized will produce extra pounds of livestock and dairy products per acre. What's more, if you top dress your pastures with Phillips 66 Ammonium Sulfate now, you'll have better and longer grazing this fall . . . earlier grazing next spring.

Phillips 66 Ammonium Sulfate is DRY-CURED and SCREENED so it stays FREE FLOWING! Dry-curing removes excess moisture . . . prevents caking . . . so the crystals flow freely and distribute evenly and effectively.

Use Phillips 66 Ammonium Sulfate for higher yields and more profits per acre from your pastures. Buy your supply of Phillips 66 Ammonium Sulfate from your fertilizer dealer today. Look for the orange and black Phillips 66 Shield.

Available Now!



NITROGEN 21%

Nitrogen Makes Better Pastures

For better livestock grazing, your pasture should be top dressed in summer or early fall to permit more days of grazing. Proper fertilization with nitrogen plus phosphate and potash, and good management of pastures can help you two ways—you can raise extra pounds of forage per acre, and your livestock will thrive. Top dress with 150 to 250 pounds of Phillips 66 Ammonium Sulfate per acre. For temporary pastures or irrigated pastures, use 200 to 400 pounds of Ammonium Sulfate per acre.

PHILLIPS CHEMICAL COMPANY

A Subsidiary of Phillips Petroleum Company • Bartlesville, Oklahoma



McPherson County: At least a dozen "Walk-Thru" type dairy milking parlors were built in McPherson county last spring, says Elgin Button, county agent.

McPherson County: Verne Mishler, Conway, sold 27 lambs averaging less than 4 months old at an average weight of 88 pounds. Lambs were marketed thru McPherson County Sheep Pool on June 4, brought \$28.25 per pound.

McPherson County: Verne Bathurst is the new county Soil Conservation Service technician. He replaces Leigh Hines.

McPherson County: H. A. Malm, Lindsborg, produced 2 tons of alfalfa per acre on his first-crop alfalfa. He applied 12 inches of water per acre from the Smoky Hill river. A 6½-acre field of brome and alfalfa produced pasture for 13 head of cattle during May and June. Twice that number could have used this pasture. Mr. Malm conducts an irrigation program on his farm, located about 20 miles below the Kanapolis Dam.

Chautauqua County: Max Haslett, dairyman who lives near Hewins, wanted to see how his pasture rated with the statement that one cow can graze no more than ¼th of an acre per day. He has 25 Ayrshire cows so he placed an electric fence around 1½ acres of brome and alfalfa, using it for a 1-day test. This pasture was so good, only two thirds of the grass was consumed in that day. Each cow got the "2 gunny sacks" of grass, which is about what a cow needs each day, before she covered the ¼th acre.

Butler County: Keith McGregor, Leon dairyman, has been using the county artificial breeding service since June, 1950. He keeps a large herd of cows representing several breeds. Recently when a tester was at his farm there were 25 heifer calves as a result of artificial breeding: 12 Holstein heifers,

8 Milking Shorthorns, 2 Brown Swiss and 3 Jerseys. His average for 1952 was 428.2 pounds of butterfat.

Butler County: A. G. Cogswell has 2 heifers born from artificially-bred dairy cows, now on test. One, Al La Co Goldie, born in January, 1952, had been in production 55 days at time of this report. Production was 2,050 pounds of milk and 89 pounds of butterfat. Her record is considerably higher than the dam's record—254 pounds of fat in 294 days as a 5-year old. Al La Co Paulette, born in January, 1952, has produced 1,850 pounds milk and 83 pounds of fat in first 50 days of test. In June she produced as much butterfat as her dam in any one-month test as a mature cow. Mr. Cogswell reports the heifers have done better than any he has ever raised. He plans to increase use of the county artificial breeding service.

Haskell County: On the A. B. Sherwood farm, steers seem to become too lazy, so Mr. Sherwood is hauling alfalfa and brome grass to them in the feed lot, and the cattle seem to be thriving on their new treatment.

Morton County: Harry Smith and son, Richfield, Polled Hereford breeders, make old tractor or header wheels into convenient feed bunks. Spokes and hub are removed and a wooden floor built into the wide rim. Then, 3 supporting legs make the feed trough fairly easy to handle.

Morton County: Arden Nusser, Elkhart, has designed his modern milk barns and house so practically every step in his milk-producing business is automatic.

Morton County: Many farmers here have completed a profitable harvesting of Buffalo alfalfa hay raised under irrigation. Leon Jackson, Larry Jackson, Bob Doll, Harvey Roll and Earl White and sons all have had good luck. Tom Milburn will have a 3-way choice on
(Continued on Page 11)

THE YOUNGER GENERATION SAYS . . .



Would you repeat that question, please? Didn't quite get it all



Well, now, that's a mighty broad subject. Gotta give it careful thought!

DANIEL WARREN WEST, 4-months-old red-headed son of Kansas Farmer Associate Editor Gordon West, seems to be making remarks shown under his pictures. Born on St. Patrick's Day, March 17, Danny has 2 sisters, Marilyn, 9, and Rosalyn, 6½. Their mother, Marjorie Simmons West, and dad are Kansas State College graduates with the class of 1942, are both Kansas farm-reared. Their dad has started his 4th year with Kansas Farmer.

his 2nd cutting of irrigated alfalfa—cured as hay, placed in silo, or held for a seed crop.

Morton County: Wayne Hershey, south of Rolla, is equipping his feed bunks with an automatic distributing auger, so by the touch of a button, feed is conveyed from silo the entire length of the 60-foot bunk.

Johnson County: Ralph Smith and Vernon Meador, Rt. 2, Olathe, took 2 feed buckets, some lath, iron rod, a few pieces of wood and a short piece of chain and made a fertilizer attachment. Can be used on corn planter or cultivator. It will apply high amounts of fertilizer.

Elk County: Mr. and Mrs. Hugh Metcalf, Moline, purchased an old home which was badly in need of repair. Working evenings they helped install 2 bathrooms, laid hardwood floors, hung wallpaper, changed light fixtures, plastered. Tom Metcalf, 15-year-old 4-H member, did most of the work. Result: an outstanding farm home.

Elk County: "Wouldn't trade my water system for anything else on my farm," says Harold Coble, Howard. Pond water moves thru 1 1/4-inch pipe to the milk barn 300 feet away. An electric-driven water pump carries water to six 3/4-inch outlets, including hen house, brooder house, farrowing pen and hog lot.

Elk County: John Francis Clark, Moline, this year harvested 35 bushels per acre of Pawnee wheat on land so gullied 6 years ago that county soil conservation technicians thought it fit only for grass. These former gullied fields now have brome grass waterways that yielded well over 200 pounds of seed and 2 tons of hay to the acre.

Hamilton County: Harry Payne, Syracuse, has a unique wheat variety test plot he's watching carefully this year. Some spring wheat was imported from Czechoslovakia last year and sown last spring. Wheat has very long glumes and short beards. Hot weather this year has made the seed very small. Mr. Payne is harvesting it by hand, will make reports on it.

Well Done, Joe

Joe M. Goodwin, Morris county agricultural agent, Council Grove, retired July 1, upon completion of 34 years in the Kansas Extension Service, according to Frank O. Blecha, Extension district agent, Kansas State College, Manhattan.

One of the veteran farm agents in Kansas, Goodwin entered Extension work July 1, 1919, as county agricultural agent in Jefferson county.

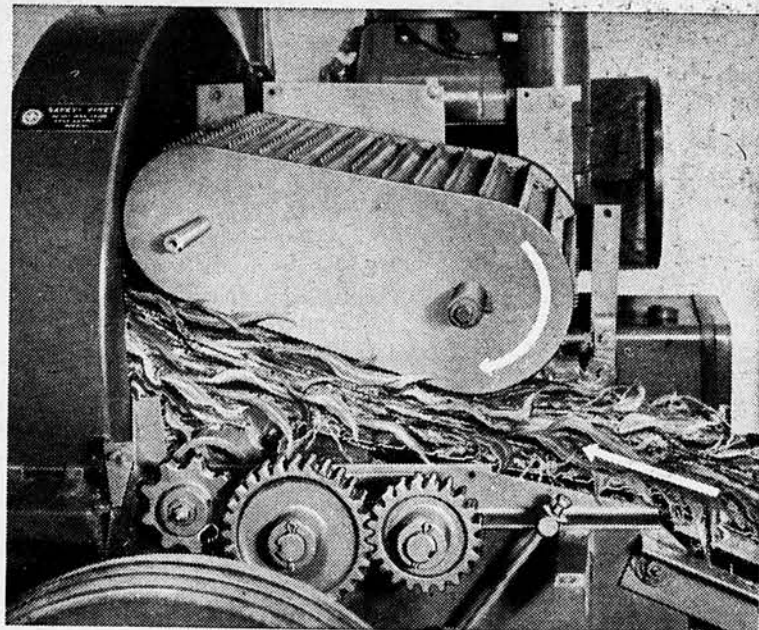
He had served as an Extension agent in Atchison county 11 years, Lyon county 3 years, and Linn county 14 years before becoming Morris county agent in 1951.

Goodwin is a Kansas State College graduate and was a farmer near his home town, Asherville, before becoming an Extension agent. Mr. and Mrs. Goodwin have 3 children.

At a recent meeting, planned by the Morris County Extension Council to honor the retiring Extension worker, Blecha expressed the appreciation of the Kansas Extension Service and Kansas State College to Goodwin for his service to agriculture and his inspiration to fellow-workers and the people he served.

Dehydrated Alfalfa

"Dehydrated Alfalfa" is a detailed, 64-page bulletin of the Kansas Agricultural Experiment Station, Manhattan, which tells of research and uses of dehydrated alfalfa. As a service to readers, a copy may be ordered thru Farm Service Editor, Kansas Farmer, Topeka. No charge. Ask us to order Bulletin 356.



In this picture, the housing has been removed to show details of New Holland's exclusive Flo-Trac feed. Upper feed apron is fully floating and synchronized with the lower apron. It features crawler type action with all blades saw-tooth to prevent slippage. Notice how the full length of the upper apron bears down to keep a steady flow of material to the knives. There's no slipping or backing up.



Here's how Flo-Trac works in action. See how the upper apron raises to meet a heavy wad. As the wad feeds into the big throat opening, the front end of the apron drops back to control normal flow. Constant, positive feeding for steady, high-capacity chopping in row crops or forage crops of all variety.

Only one Forage Harvester has the anti-clogging patented Flo-Trac feed

In corn, sorghum or grass, New Holland's exclusive Flo-Trac feed stops clogging. This is how New Holland's Forage Harvester gives you big capacity equal to larger, more expensive machines!

In making silage, nothing is more important than *positive* feed to the chopping knives.

New Holland's Flo-Trac feed is the most positive feed system you can buy. It keeps constant control of material right up to the big, 112-square-inch throat opening. No slipping, no wrapping, no choking!

At the throat, New Holland's unique cutting angle takes over. Knives draw down and toward the flywheel shaft. Toughest chopping is done closest to the source of power.

Ask your New Holland Dealer to demonstrate a Flo-Trac harvester in your toughest stand. Match its performance against any other make. Compare the features New Holland gives you as standard equipment. There are self-powered and P.T.O. models to meet your needs . . . quick-change attachments for row crop, windrow or direct-cut.

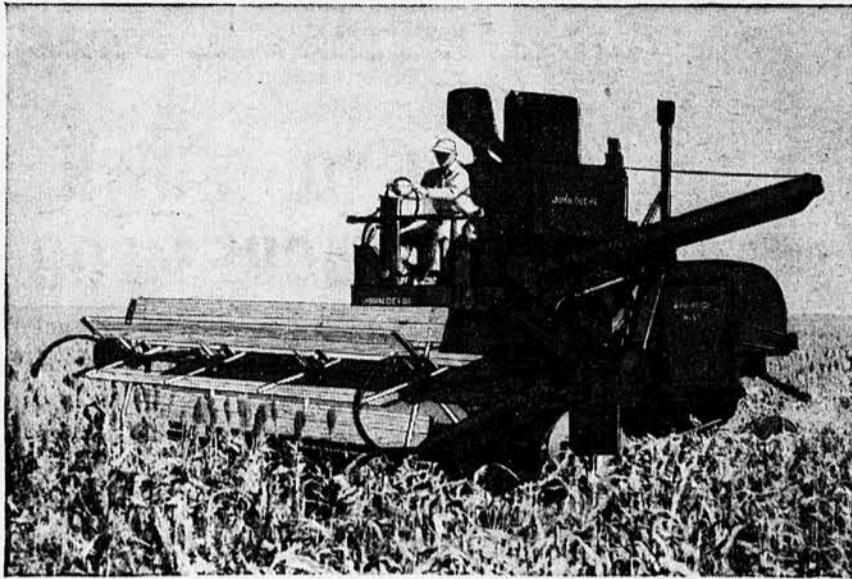
The New Holland Machine Company, New Holland, Pennsylvania. A subsidiary of The Sperry Corporation.

NEW HOLLAND

"First in Grassland Farming"



GET READY for Bigger Maize-Growing PROFITS . . .



Use a JOHN DEERE No. 55 SELF-PROPELLED COMBINE

It's true—a John Deere No. 55 Self-Propelled Combine does earn bigger profit for maize growers. The reasons are many: first, you get the abundant capacity that a heavy maize crop demands—capacity in the hydraulically controlled, center delivery platform that cuts as high as 35 inches from the ground . . . in the self-adjusting feeder units . . . and in the sturdy rasp-bar cylinder that does thorough threshing with a minimum of cracking. You get capacity in the extra long, extra aggressive, five-step straw walkers which do a fast, thorough job of separation . . . and in the big-area cleaning units which give you cleaner maize. These big-capacity features mean that the No. 55 saves more maize from every acre, saves money on every bushel—makes bigger profits for you.

Selective Ground Speed

The hydraulic selective ground speed control of the No. 55 also means bigger profits. You can combine from a "snail's pace" on up. Regardless of crop or ground conditions, you can always have

exactly the right speed for saving the most maize.

Low Upkeep Costs

Another profit booster is the dependability of the No. 55. Because you will have less down time—lower upkeep costs—you get your harvest done faster, easier, and at lower cost. These important factors, plus unusual ease of handling, and centering the engine and grain tank on top for greater stability, have made the No. 55 the leader of the self-propelleds.

See Your John Deere Dealer

You know someone who has a John Deere No. 55; ask him about its good work. See your John Deere dealer the next time you are in town, and get ready to take bigger profits from your maize this year with a John Deere No. 55 Twelve- or Fourteen-Foot Self-Propelled Combine.

JOHN DEERE • MOLINE, ILL. DEPT. E11

Please send me a free booklet giving full information on the John Deere No. 55 Combine.

Name _____

R.R. _____ Box _____

Town _____

State _____



SEND FOR
FREE LITERATURE

Thoughts TO LIVE BY

"How To Be Religious"

THE MAJORITY of people sincerely approve ethical religion. Some there are who approve it, but do not practice it. Let's assume their difficulty is they don't know how. Guidance ought to be more clear than it has been in the past.

There are two erroneous concepts which should be eliminated. Some people think of Christianity in negative terms. Don't do this, or don't do that. This negative undertone exists, but it is not the major emphasis. Read again the Sermon on the Mount and Jesus' summary of the Law, and it will become apparent Christianity is doing something. As positive light banishes negative darkness, so Christianity coming into life eliminates the things that are undesirable.

Nor does one need to flee to a monastery to lead a religious life. Monastic orders have rendered great service, but men and women have been able to be Christian in the common vocations of life, and it is there religion is desperately needed today.

First step in a vital religious experience is a sense of need. It may be the realization one is estranged from God. It may be a burden of guilt, a fear, a great sorrow, a conviction that only God can save the world, or a need for someone adequate to thank for some great blessing.

Second, when man is ready, God will meet his need. God is more eager to bestow His blessings than

man is to receive them. God is a shepherd who seeks the lost sheep. As one throws himself upon the mercy of God, he discovers a great salvation.

Third step is ethical gratitude. A person tries to do the right thing because he wants to please God. The Christian standard of conduct set forth in the Bible is a guide for the grateful heart.

To retain the glory of this experience, a man associates himself with others of a like mind. A burning coal will cease glowing if it is not in touch with other burning coals. This "blessed community" is the Church. In this fellowship, he can share his experience. Strange as it may seem, it is only as he gives his religion away that he can keep it for himself. So a Christian does not live alone.

He also makes provision to practice the presence of God. He becomes "hitched" with the spirit of Christ. Isn't that what bearing his yoke means? He becomes part of a team instead of functioning alone. Being harnessed with Christ means one does not go astray, he does not feel lonely, and he has the resources of Christ available at all times.

Start with one step. The second will then become obvious. A person should not be discouraged because he doesn't become a saint overnight. On the other hand, he should not be satisfied unless he is on the move in the right direction. It is possible to go beyond lip service to the rapture of life service. The religious life is within reach of everyone.

—Larry Schwarz.

Puerto Rican IFYE Delegate Makes Many Friends While Living in Kansas

CHAMNESS 4-H CLUB members in Lyon county have found a new friend, from overseas. Pretty Carmen Crespo, from Naguabo, Puerto Rico, is visiting the county as a part of the International Farm Youth Exchange program.

Carmen is staying and working at the Robert Hubbard dairy farm, near Emporia. She left her native land by airplane, it being her first air trip and her first visit to the United States.

"I have found the people nice here," said Carmen. "Customs are different from ours but the hearts are the same."

Kansas climate hasn't been too kind since she arrived. This is the hottest summer weather the IFYE delegate ever has encountered in her 23 years.

Boys and girls do not belong to the same 4-H Club in her land. Boys are under direction of the county agent and usually have meetings in the evening. Girls are supervised by a home agent, and meet in afternoons.

When asked about boys here, Carmen says she likes them because they can cook and help with the housework, but she could understand boys in Puerto Rico better. After 25 years, a girl becomes a spinster in her land, so if she hasn't acquired a fiancee in the next 2 years, she says she might fly back to the U. S.!

She is a graduate of Puerto Rico University, and has been a member of 4-H Club 10 years. She has been a home economics teacher 2 years and is now a home agent. Her native tongue is Spanish but her English is adequate to make her understood. She says, "I've learned to milk cow—with both hands" and demonstrates it. She made all her clothes for her trip to Kansas, with exception of a few blouses. Her gar-

ments are modern, beautifully made.

Her family consists of mother, father, 3 brothers, 3 sisters. They live on an 11-acre farm where tobacco, vegetables and fruits are grown. Her father also operates a general store. A brother lives in Chicago, whom she will visit.

Don Lawrence, county club agent, has taken Carmen on tours, visiting clubs in order to see club work in action. She says she's having the time of her life and club work is "much fun." Martha Oldham, reporter of her host club, writes she hopes Carmen doesn't find that fiancee back home, and comes to Lyon county, as a permanent resident.



CARMEN CRESPO

Coming Events

July 19-22—Russell county older members 4-H Club camp, Rock Springs Ranch.
 July 19-22—Ellis county older members 4-H Club camp, Rock Springs Ranch.
 July 19-22—Finney-Stevens counties southwest 4-H Club camp, Dodge City.
 July 19-25—National Farm Safety Week.
 July 20—Riley county 4-H Club demonstration school, Manhattan.
 July 20—Dickinson county 4-H Club crops judging school, Abilene.
 July 20—Brown county 4-H Club tour and picnic.
 July 20-22—Ellsworth county 4-H Club summer camp, Rock Springs Ranch.
 July 20-22—Barton county older members 4-H Club camp, Rock Springs Ranch.
 July 20-22—Days of '49, Hanover.
 July 20-25—80th Annual Convention, American Poultry Association, Hotel Statler, St. Louis, Mo.
 July 21—Shawnee county-wide beef tour.
 July 21—Woodson county beef tour with Ray M. Hoss, Wendell Moyer and Dell E. Gates of KSC.
 July 21—Elk county-wide community night, Howard fair grounds, 8 p. m.
 July 22-25—Rice county older members 4-H Club camp, Rock Springs Ranch.
 July 22-25—Pawnee county 4-H Club camp.
 July 22-25—After Harvest celebration, Ellsworth.
 July 22-25—Anthony Fair, Anthony.
 July 22-25—Downs annual celebration, Downs.
 July 23—Southeast Elk county summer livestock tour sponsored by Elk county Livestock and Cattlemen's Association, Howard, 8:30 A. M.
 July 23—Barton county annual Chamber of Commerce 4-H Club picnic, Lake Barton.
 July 23—Bourbon county annual beef tour in co-operation with Bourbon County Beef Association and KSC Extension specialists.
 July 23-24—4-H Club district livestock judging school, Topeka.
 July 23-25—Annual Clifton Picnic, Clifton.
 July 23-25—Old Settlers Day celebration, Jewell.
 July 24—Barton county 4-H Club leaders and members dairy judging school.
 July 24—Marshall county district dairy judging school at Washington.
 July 24—Seward county stubble mulch demonstration at the farm of Carl White, 3½ miles south and 2½ miles east of Moscow in Stevens county.
 July 24-27—Rawlins county 4-H Club camp, Rock Springs Ranch.
 July 25—Annual CK Ranch Field Day and "no money" calf auction, Brookville.
 July 30—Elk county 3rd annual dairy day, Moline, 10 A. M.
 July 26-29—Shawnee-Reno counties 4-H Club camp, Rock Springs Ranch.
 July 27—Kearney county Prairie View 4-H Club project tour.
 July 27—4-H Club district livestock judging school, Kingman.
 July 27-28—Johnson county Home Demonstration Unit leaders training school on "Buying and Preparing Quantity Meals," American Legion Building, Olathe.
 July 27-29—Annual celebration and baseball tournament, Lenora.
 July 28—Pawnee county 4-H Club members and parents dairy judging contest and tour.
 July 28—Brown county Lambert-Dickerson dairy day.
 July 29—Pawnee county soil conservation demonstration on terracing and waterways with Walter E. Selby and Harold Ramsour of KSC.
 July 29-30—Kansas Farm Bureau board of directors meeting.
 July 29-30—4-H Club Fair, Morrill.
 July 29-31—American Poultry and Hatchery Federation Convention, Milwaukee Civic Auditorium, Milwaukee, Wis.
 July 29-31—Annual Picnic celebration, Axtell.
 July 30—Osage county Home Demonstration Unit Play Day, Osage City.
 July 30—Barber county machinery school, Medicine Lodge.
 July 30-August 2—Phillipsburg Rodeo, Phillipsburg.
 July 30-31—Summer county Wheat Festival, Wellington.
 July 30-31—Shawnee county Eastern Kansas 4-H Club judging school, Topeka.
 August 1-3—Rural Life Camp, Rock Springs.
 August 3-6—Decatur County Fair, Oberlin.
 August 3-8—State Junior Leadership Camp, Rock Springs.
 August 4—Ellsworth county land judging school, Ellsworth.
 August 4-6—Labette County Fair, Oswego.
 August 4-6—Night rodeo, Pretty Prairie.
 August 4-7—Smith County Fair, Smith Center.
 August 5—Malm irrigation development farm, Lindsborg.
 August 5-6—Oakley annual celebration, Oakley.
 August 5-7—Lane County Free Fair, Dighton.
 August 6—Rawlins county—livestock judging contest and fitting and showing demonstration, county 4-H Club building.
 August 6-7—4-H Club district livestock judging school, Council Grove.

Build With Youth

That's the title of a new leaflet which describes the program of the Kansas 4-H Foundation, according to J. Harold Johnson, State 4-H Club Leader. It's available for you now. If you would like a copy, please write Farm Service Editor, Kansas Farmer, Topeka, Kan. No charge.

CITIES SERVICE

Farm Service Bulletin

Quality Petroleum Products

JULY, 1953

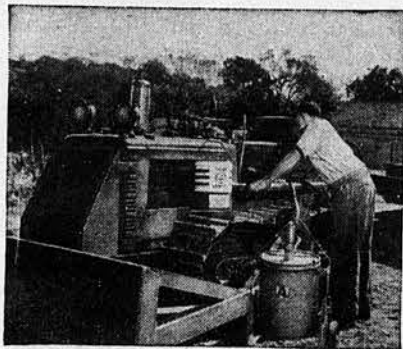
Accessories for the Farm



Sodium Metabisulfite Blown Into Silo With Silage—8 lbs. per Ton.

NEW PRESERVATIVE FOR SILAGE CHEAPER, SAFER, EASIER TO USE!

A new easy-to-use preservative for high-protein grass-legume silage is sodium metabisulfite. Recent United States Department of Agriculture tests show this chemical is cheaper, easier, and safer to use than sulfur dioxide gas, a preservative now in general use. Bisulfite comes in the form of a powder and is added as the silage is blown into the silo at the rate of 8 pounds of chemical per ton of silage. This method of mixing gives a better distribution of preservative and cuts down the time and labor required to fill the silo. Bisulfite, which is cheaper to buy than sulfur dioxide, gradually dissolves in the silo and gives off sulfur dioxide gas, which then acts as a preservative to prevent undesirable fermentation of the silage.



CITIES SERVICE DIESEL OILS AND TROJAN GREASES KEEP DIESEL TRACTORS LIKE NEW!

Lawrence Yetter, New Jersey farmer (pictured above) protects his big investment in his International Tractor with Cities Service Diesel Oils. He knows that Cities Service heavy duty, detergent-type Diesel Lubricating Oils protect his hard-working diesel against troublesome ring sticking, scuffing of pistons, rings, and cylinder liners, bearing corrosion and excessive engine deposits.

For his diesel, as well as all his other automotive equipment, Mr. Yetter relies on Cities Service Trojan Greases... greases that stay where you put 'em providing the protection and performance they've long been famous for.



PACK YOUR OWN RIPE PEACHES FOR EXTRA PROFIT!

USDA Studies Show Packing For Nearby Markets Pays Off

Commercial peach growers may find it profitable to pack ripe peaches for nearby markets despite the extra cost of handling, suggest recent United States Department of Agriculture studies.

Here's How USDA Studies Were Conducted: Peaches of three degrees of ripeness—ripe, firm-ripe, and firm—were placed side by side in stores in Denver and Milwaukee. No signs or labels except price tags were used.

Here Were The Results: About half the peaches sold were the ripe ones, although they cost the housewife 1 to 7 cents a pound more than the firm-ripe peaches, which sold at normal retail price. The firm-ripe peaches accounted for one-third of the sales. The firm peaches, priced below the normal price, accounted for only one-sixth.

NEW INSECTICIDE... FIRST ONE SAFE TO USE ON GRAIN THAT'S FOR FOOD OR FEED!

A good time to attack insects in farm-stored wheat, say United States Department of Agriculture entomologists, is right after harvest, when bins are being filled. Farmers can do the job easily with a new dust mixture recently put on the market... the first one available that is safe to use on grain intended for food or feed. The new mixture contains 1.1 percent piperonyl butoxide and 0.08 percent pyrethrins and won't harm animals or humans if used as recommended.

Wheat is not normally infested in the field. The insects move in, from hiding places in farm bins or nearby, after the grain is stored. They can multiply in stored wheat more than 40 times in 4 months. In USDA tests on Kansas farms, the insecticide was applied at the rate of 75 pounds for each 1,000 bushels of grain. This gave excellent protection from insects for 3 months after harvest. Also, the dust caused no downgrading of the wheat when tested after storage by the Kansas State Grain Inspection Dept.



CLEANS YOUR ENGINE AND KEEPS IT CLEAN!

There's an important cleaning job that must be performed on a day-to-day basis inside your tractor's engine... and Cities Service C-800 Motor Oils were developed especially for that purpose. These heavy duty detergent oils clean your engine, and keep it clean, providing the finest lubrication you can buy. Remember: The motor oil you use, more than any other one factor, can keep your tractor engine young and protect the dollars you have invested in it. For longer tractor life and fewer engine repairs, change oil regularly with "Farm-Tested" Cities Service C-800 Oils.

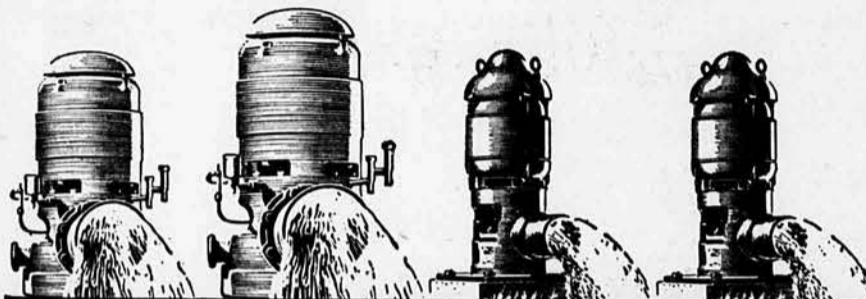


GETTING TOP TRACTOR POWER AND MILEAGE?

Rather than assume you're getting top power and mileage with the gasoline you're presently using, try Cities Service Gasoline for a week or month and actually check your mileage and performance. You'll find it your best buy for mileage, power and wise engine protection.



ONLY Peerless OFFERS YOU A CHOICE OF THESE FOUR DEEP WELL PUMPS



WATER LUBRICATED	OIL LUBRICATED	CHAMPION	HI-LIFT
Direct-connected Peerless Motorbo electric drive.	Direct-connected Peerless Motorbo electric drive.	Peerless Champion turbine pump for small diameter deep wells.	Peerless Hi-Lift, the unique positive displacement deep well pump.

Peerless pump leadership is a leadership based not only on pump performance, efficiency, economy and service, but also on the availability of the proper design of deep well pumps for the intended service... For deep wells and lifts up to 1000 feet, for maximum well diameters, and for capacities up to 30,000 gpm, you can select either oil lubricated or water lubricated deep well Peerless turbine pumps, leaders in their field... For wells up to 200 feet in depth, as small as 4 inches inside diameter and

for capacities up to 5000 gph, plus pressure to 50 psi, Peerless offers the championship performance of the Peerless Champion vertical turbine pumps... For deeper wells of the same small diameter, there's the highly successful Peerless Hi-Lift pump. This is the pump with the unique positive displacement pumping action, which will lift from depths as great as 1000 feet. Hi-Lift's capacity range is from 10 to 55 gpm... Remember, a good well deserves the best pump. Install a Peerless pump; it cuts your overhead—underground.

a good well deserves the best pump

CONSERVE WATER—it's a priceless national asset



PEERLESS PUMP DIVISION
301 WEST AVENUE 26
LOS ANGELES 31, CALIFORNIA

NATIONAL Vitrified SILOS
Everlasting TILE
Cheap to install Trouble Free. Also Tile Stave Silos. Outside Reinforcing.
Buy Now Erect Early IMMEDIATE SHIPMENT
F.H.A. LOANS AVAILABLE
Write for prices. Special discounts now. Good territory open for live agents.
NATIONAL TILE SILO COMPANY
636 Livestock Exchange Building
KANSAS CITY 15, MO.

LINK GRAIN BLOWERS
TRUCK MOUNTED AND STATIONARY MODELS
Also AUGER ELEVATORS
GRAIN CLEANERS, TREATERS, AND STEEL BINS
Get particulars today on this superior farm equipment.
LINK MFG. CO. FARGO NORTH DAKOTA

Your Best Buy Today Is U. S. Savings Bonds



ROOF

is the Best Weed Cutter

- Fingertip Control
- Lock-in Self-Propel
- Choice of 2 Motors
- Versatile Attachments

It's a brand new Roof Weed Cutter—still the best! New self-propel unit eliminates slippage, makes control easier. Choice of 3 h.p. Clinton or 6 h.p. Wisconsin heavy-duty motor. Cuts clean within 1/4" of fence rows, buildings. See your dealer or write—

ROOF Welding Works

Pontiac 6, Illinois

Vocational Agriculture

By HELEN ANKENY



RALPH RUSSELL, son of Mr. and Mrs. Burr C. Russell, and Vocational Agriculture student in Winfield high school, is one of more than 6,000 Future Farmers in Kansas who from a very modest beginning has developed a substantial livestock program. Starting in the Vocational Agriculture program 3 years ago under supervision of his instructors, Ira Plank and John Lowe, Ralph had 4 head of Hereford cows. Now he has a herd of 15 head of pure-bred Herefords, including a high-quality herd sire 3 years old. In the herd are 9 head of cows, 4 steers, and a heifer calf a few weeks old. In building up his herd, young Russell disposed of all bull calves produced by his cows and added more heifers to supplement the heifer calves he raised.

Last year Ralph had 60 acres of certified Madrid sweet clover in partnership with his father. Ralph comments that he almost started high school 4 years too soon, in order to get full benefits from the new half-million-dollar Winfield high school vocational building which will be dedicated in October.

Duane Worf, Garden City Future Farmer, is another student who has done well with his Vocational Agriculture farm program. Worf, son of Mr. and Mrs. L. E. Worf, was presented the Star Farmer award by his chapter at their annual FFA banquet. This high award was given Worf on the basis of his leadership in school, progress made in farm shop and entries in various local and state fairs in the past year. Kenneth Anderson is instructor.

Ellsworth Future Farmers and their instructor, Lester L. Crandall, are enjoying use of a new GMC 3/4-ton truck, presented to the chapter thru courtesy of Helwick Motor Company, of Ellsworth. The truck has a special-built bed which will carry 16 boys and their adviser on field and judging trips and to state contests.

A recent survey of Fort Scott Future Farmers indicated they planted in 1953 a total of 230 acres of feed crops; 130 acres of pasture; 230 acres of cash crops, and will use soil-building practice crops on 28 acres.

At the beginning of 1953 the 23 chapter farmer members had a net worth of \$16,813. Of that group 7 were juniors and 16 sophomores. An inventory showed they own 27 head of dairy cattle, 50 beef cattle, 38 hogs, 50 sheep and 61 head of poultry.

Kenneth Carson, Ft. Scott Vocational

Agriculture instructor, who resigned March 2 to become Bourbon county agent, was honored by his Future Farmers with a farewell party and gift.

Charles Smith, former Vocational Agriculture instructor at Louisburg, who succeeded Carson, was present at the farewell party and was introduced to the Fort Scott Future Farmers.

A contract recently was let by Quinter high school for a new addition to the Vocational Agriculture building. Construction on the addition to cost around \$30,000 is expected to begin soon. It is to be of brick, 46 by 98 feet, will supply needed room for Vocational Agriculture farm shop. W. O. Breeden is the instructor at Quinter.

Bazine high school will have an addition built to the present Vocational Agriculture building for next term. Building was to start May 1, and will cost slightly more than \$43,250. The new structure will join the present Vocational Agriculture building and will be 50 feet by 100 feet. It will provide space for farm shop, classroom, athletic dressing room, and a second-story classroom. Edward Brenner is FFA adviser and teacher at Bazine.

William Whitenack, graduate of Kansas State College in January this year, is the new Vocational Agriculture instructor at Louisburg. Mr. Whitenack succeeds Charles Smith.

Members of Kiowa FFA chapter and their instructor, Allen Starosta, purchased in March a block of city ground, which they will improve and subdivide into lots for use by chapter members in promoting livestock projects. Altho title to the land went to the school, Starosta points out the money for purchase was provided by Kiowa FFA chapter members. The lots will be used by FFA members living in town.

Beloit Future Farmers recently were given a demonstration by Charles Lake, state brand commissioner on correct procedure of branding when he helped the Beloit boys and their instructor, Frank R. Carpenter, brand their 24 deferred calves. While some Future Farmers were working with Mr. Lake on the branding process, other chapter members and Joe Neil, Mitchell county agent, explained to the group the Kansas deferred system being used in feeding the calves.



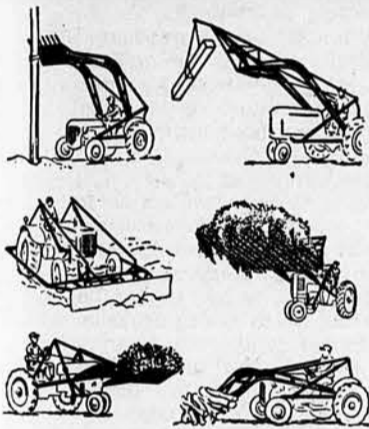
BELOIT FUTURE FARMERS dehorning one of their 24 calves. Doing dehorning is Judd Thierolf. Directing removing of horns is Dr. George Chapman, who carefully explained to Beloit sophomore Vocational Agriculture students correct procedures regarding the operation. Other Future Farmers in picture are Wayne Huggins, Bob Johnson, and Freddie Chapman.

**Turn more jobs
over to
your tractor**



**Change tools
quickly... handle
big jobs easily**

**3 NEW IDEA-HORN
Loader models fit
over 80 tractors**



**10 EASY-ON ATTACHMENTS
ARE INTERCHANGEABLE AND
FIT ALL 3 LOADER MODELS**

Model LS for large standard tractors.	Angle Dozer Blades
Model 50 (or 50 Conversion) for row-crop and conversion-type (W.F.E.) tractors.	Loader Boom
Model 50S for small row-crop, small standard and 3 models of small track-type tractors.	Manure Bucket

SEND FOR FREE ILLUSTRATED FOLDERS:

NEW IDEA FARM EQUIPMENT CO. Division AVCO Distributing Corporation
Dept. H-925, Coldwater, Ohio

Send free illustrated folders

Loaders and Attachments Farm _____ Acres
 I am a Student

Name _____
Address _____

Until Dinner Is Ready

A Beautiful View: The Pilgrims in the Mayflower first sighted Cape Cod on the American coast on November 9, 1620.

Diplomat in Carpet Slippers: Thou can't not joke an enemy into a friend, but thou may'st a friend into an enemy.—Ben Franklin's Poor Richard's Almanac.

Saved by a Paper 'Chute: Forestry Digest tells of a new type of paper parachute. The 'chute is made of paper saturated with 1 to 4 1/2 parts of glycerine in 100 parts of commercial alcohol.

Opened New Fields: In 1837 John Deere, a blacksmith, fashioned first steel plow, and demonstrated it at Grand Detour, Ill. Unlike clumsy wooden or metal-shod plows, this one scoured, became successful, opening up new fields.

First Time for Everything: In 1855, when Frenchmen installed powerful searchlight units on their warships, they were first to use the permanent electric light plant.

Immortal Fathers: Sir Humphrey Davy and Michael Faraday, British scientists, gained immortality for their basic work which brought about development of the electric light.

Lend an Ear: It is not wise to seek a secret, and honest not to reveal it.—From Ben Franklin's Poor Richard's Almanac.

Never-ending "Moo": In New Zealand, the dairy cow population is about a half million more than the human population!

Doing its Part: Historians attribute to mechanical farming the trail that led at least 20,000,000 immigrants to a new life in America.

Seesaw, Marjory Daw: There are about 53,000 sawmills in the United States, according to American Forest Products Industries, Inc.

First Tank Car, mounted on a railroad flat car, made its appearance in 1865; was called the rotary oil car.

Americans Move a million miles over highways every minute of the day!

Open Your Heart: Be not niggardly of what costs thee nothing—a courtesy, counsel and countenance—from Ben Franklin's Poor Richard's Almanac.

You Are Needed: In 1800, it took the labor of 3 farmers to feed 1 city worker; in 1950, labor of 1 farmer for 3 city workers was needed.

Alford and Ivan Myers Highly Recommend Creep Feeding Calves

CREEP FEEDING for calves is highly recommended by Alford and Ivan Myers, Rolla. Alford started out with a bunch of registered cows, cut horns off, handled them as straight commercial cows. Three years ago he decided that with these good cows he would try creep-feeding the calves. As a result, when time came to sell he topped the market in November, 1951, with a price of \$42 on steers and \$41 on heifers, weights running about 450 to 460 average per calf.

Repeats Two Years

Mr. Myers was so well pleased he continued to creep-feed the next year, using same cows and herd sires. Again he sold the older calves in November at almost identically the same weight, but top price was down to \$25.70 on steers and \$23.40 on heifers. Quite a few calves were too young to sell in that November consignment, so were carried until May, 1953. Calves again

topped the market with a price of \$21.20 on steers and a price of \$21.40 on heifers.

Cattle had the same treatment both years. They were placed on native grass pastures in spring, remained there until mid-January both years before cottonseed cake and ensilage were fed. Cows were fed only about 100 days. About 20 pounds of ensilage and about 3/4 pound of cottonseed cake were provided each day. Whole oats are fed liberally, placed before calves in self-feeders at all times.

When silos are opened and cows begin to eat this succulent ration, separate silage-filled creeps are provided for calves. They're allowed to eat all they can take.

Ivan Myers, a brother, started creep-feeding this year, intends to make it a permanent practice. He was able to sell his calves at about 4 cents above similar calves that didn't have benefits of creep feeding.

GRANDMA By Charles Kuhn

SORRY I BROKE YOUR WINDOW, GRANDMA! IT WAS AN ACCIDENT!

JUST HOW DID IT HAPPEN, JIMMY?

WELL, I WENT T' TOSS TH' BALL T' MARTYAN' IT HIT TH' TREE AN' BOUNCED —

JUST LIKE THAT!

2-23 CHAS. KUHN
Copr. 1953, King Features Syndicate, Inc., World Rights Reserved

MY BEEF CATTLE GET FAT ON BEM BRAND FERTILIZER

YOU'RE right . . . I don't actually put BEM BRAND in my feed bunks. But I do load my pasture land with it. BEM BRAND packs my pasture grass with everything a beef animal needs, and my cattle turn the grass into beef. Then I turn that beef into money! My wife keeps the books, and she figures that every dollar I spent fertilizing pasture last year brought in more than \$4.50 at the stockyards. That's hard to beat.

As a matter of fact, you can't beat BEM BRAND for any crop. I've used it for years, and my crops are always among the best. My dealer says that's because BEM BRAND contains all the primary ingredients . . . nitrogen, phosphate and potash . . . plus important secondary elements. That's what makes BEM the bonus BRAND. One more thing. BEM BRAND is made in our area for our kind of soil.

Want more proof? Take a look at my corn next time you're out this way.



THURSTON CHEMICAL COMPANY

TEST YOUR SOIL
YOUR COUNTY AGENT CAN TELL YOU WHAT GRADE OF BEM BRAND IT NEEDS

LISTEN TO—
"LIVESTOCK MARKET REPORT" with BOB RILEY
12:30 PM MW on KMBC-KFRM 960 & 550 ON YOUR DIAL

"FARM COMMENTARY" with MERRILL LANGFITT
6:30 AM T Th S on KMA 960 ON YOUR DIAL

"WEATHER SUMMARY" on KOAM AT 7:45 AM-M.W.F.

FREE!
FERTILIZER HANDBOOK
WRITE:
FARM SERVICE DEPT.
THURSTON CHEMICAL CO.
JOPLIN, MO.

Now... you get heavier zinc coating on STRONGBARN Roofing and Siding at no extra cost

**HEAVIER ZINC COATING GUARANTEES
YOU THAT YOUR FARM AND RANCH
BUILDINGS WILL LAST YEARS LONGER**

Zinc stops rust

U. S. Bureau of Standards states: "Zinc is by far the best metallic coating for the protection of iron and steel against rust." Galvanized sheets *cannot* rust until the zinc coating is worn away. Strongbarn's *thicker* zinc coating—a guaranteed minimum of 1.25 ounces per square foot—stops rust longer than standard grades of roofing.

Even scratches are protected

The zinc coating isn't just "laid over" Strongbarn Galvanized Corrugated Steel Roofing and Siding. *It actually becomes a part of the sheet* by chemical bonding. Even if the sheet surface is scratched or broken, an electro-chemical reaction takes place which "spreads" protective zinc over the exposed steel surface.

At your dealer's... no extra cost

If you plan to build or repair outbuildings before winter, contact your Strongbarn dealer today.

**Write for free farm and ranch building plans
Dept. KF-4, Granite City Steel Co., Granite City, Ill.**

GUARANTEE

Granite City Steel Company, maker of Strongbarn Galvanized Corrugated Steel Roofing and Siding, is the first manufacturer to guarantee a minimum zinc coating of 1.25 ounces per square foot of roofing... the first manufacturer to produce steel roofing in accordance with standards set by the American Society for Testing Materials under ASTM specification A-361-52T.

STRONGBARN
GALVANIZED CORRUGATED STEEL ROOFING AND SIDING



FROM A MARKETING VIEWPOINT

By LEONARD W. SCHRUBEN

How do you account for the big ups and downs in wheat prices? How low will prices go?—J. D.

It's hard to prove any one of a number of reasons, therefore, I hope you will keep in mind I am offering an opinion on what seems logical to me. Maybe you have other ideas and I'd be glad to have them.

Now to answer your question. For one thing, the United States has the prospect of the largest wheat supply on record this year. We have never had so much wheat to take care of. The market doesn't know how to react.

An unusual amount of risk is involved in keeping wheat under present conditions because of possibility of price declines (the wheat producer can get a loan, so needn't worry about price—just a place to store). As a result, processors and speculators are hesitant to buy. We are feeling the influence of withdrawal of "speculative" money from the market.

Foreign markets are shrinking. Since World War II, we exported more than 500 million bushels one year, and several years more than 400 million. This

for 50 to 60 cents below the loan? I can't answer.

How low will prices go? It depends upon how much farmers are willing to sacrifice in offering wheat on the market. I believe we have about seen the low price for this season, altho continued depressed prices may be expected to prevail for several months.

Can I save money by buying tankage in place of cottonseed meal? I'm feeding cattle.—R. C.

You can now—altho not always. On June 30, cottonseed meal was selling for \$70.75 per ton whereas tankage was \$74.50 per ton. These supplements are purchased primarily for the protein they contain. A ton of 41 per cent cottonseed meal contains 820 pounds of protein. A ton of 60 per cent tankage contains 1,200 pounds of protein. To calculate cost per pound of protein, divide the price per ton by 820 in the case of cottonseed meal, and by 1,200 in the case of tankage.

On June 30 the price per pound of protein in cottonseed meal was 8½ cents, the price per pound of protein in tankage was a little over 6 cents.

Since tankage is more concentrated, not as many pounds need to be fed per day. If you are feeding 2 pounds of 41 per cent cottonseed meal per day and want to change to tankage, you need to feed only about 1½ pounds. The difference in bulk can be made up from cheaper sources.

In calculating the relative value of protein supplements, the value of the bulk must be accounted for. With a few possible exceptions, this can be provided at a lower cost by feeding roughages or grains.

These comparisons are based upon Kansas City prices. Local prices of protein supplements vary a great deal. So, next time you go to buy protein supplement, why not compare prices with feeding values? Maybe you can save some money. Of course, care should be taken to feed a balanced ration when changing from one supplement to another.

Honor Clif Hope

A Kansan—Clifford R. Hope, U. S. representative from Garden City—was among 12 persons honored at the 1953 National 4-H Club Camp for "distinct contributions over a period of years to the nation-wide development of the 4-H Club program." Mr. Hope was cited for his leadership in formulation and enactment of agricultural legislation. He is chairman of the House Committee on Agriculture. He is an honorary 4-H Club member in Finney county, and a member of the National Committee on Boys and Girls Club work.

I WONDER HOW THAT STARTED . . .

"Father's Day"

A mother—Mrs. John Bruce Dodd, Spokane, Wash.—was founder of "Father's Day." She wanted to honor her father, W. J. Smart, so launched the idea in her town as a tribute to him, who had reared his motherless group of 6 alone. In 1910 she first started tributes to fathers, chiefly thru the ministerial association of Spokane. In 1924, President Calvin Coolidge recommended U. S. annual observance. In 1936 a National Father's Day committee, composed of mothers, was formed by Mrs. S. S. Makin, of New York, to rescue the national observance from oblivion.

(EDITOR'S NOTE: What's your favorite saying? Send it in, we'll try to find its origin, and tell you about it in this box. Joan Amos, Colby, asked us to trace "Father's Day."—R. H. G.)



PURINA

CHECKERBOARD NEWS



1 TON

ANTIBIOTIC



ONLY THIS MUCH of an antibiotic must be evenly mixed through 2,000 lbs. of some Purina Chows. Dr. Roland Bethke, Purina vice-president in

charge of Research, and his staff found the way to do it. The engineering, milling and checking methods used to do this job is MICRO-MIXING.

PURINA'S MICRO-MIX

evenly distributes tiny amounts of miracle growth boosters through every thimbleful of Purina Chows; gives animals and birds right amount for best results.

The problem of putting new discoveries to work is often as important as the discovery itself. Miracle growth boosters, for example. When science introduced them to the American farmer a few years ago, they were hailed as an important milestone in feeding... a shortcut to profits.

But the promise of the boosters was still a long way from the feedlot and poultry house. After all, how could you mix a spoonful of these miracle ingredients into tons of feed so that every bag, every pound, every thimbleful would get its share? Quite a problem!

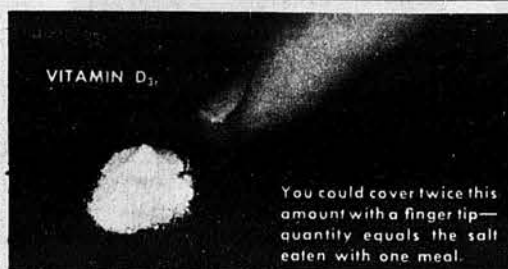
The answer came through years of careful study and experiments, when Purina scientists came up with Micro-Mixing. It is another milestone in feeding... another Purina first.

Following pages show what Micro-Mixing can mean to you and your pocketbook.

Here Are Exact Amounts of a Few Ingredients That Must Be Mixed Throughout a Ton of Some Purina Chows!



VITAMIN B₁₂ Small but potent ingredient. This size in relation to a match head.



VITAMIN D₃

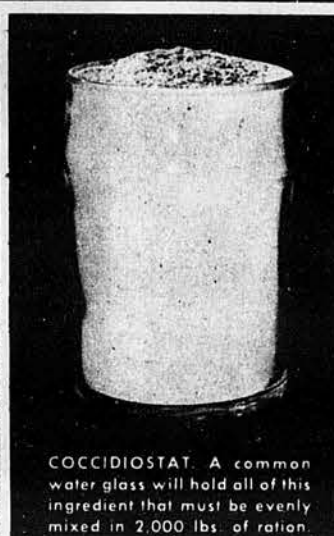
You could cover twice this amount with a finger tip—quantity equals the salt eaten with one meal.



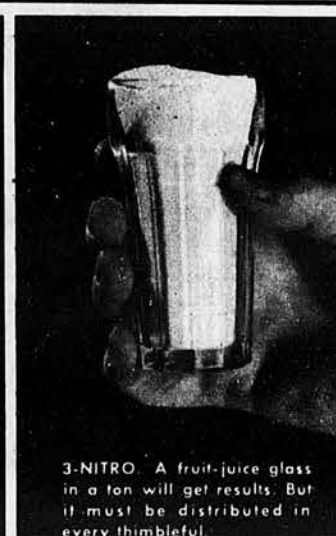
TRACE MINERALS. A handful to the ton—That's no mixing job for a scoop shovel or obsolete equipment.



An ANTIBIOTIC. Only a tablespoon of this growth booster goes in a ton of feed, but for better growth it must be well mixed.



COCCIDIOSTAT. A common water glass will hold all of this ingredient that must be evenly mixed in 2,000 lbs. of ration.



3-NITRO. A fruit-juice glass in a ton will get results. But it must be distributed in every thimbleful.

PURINA CHECK

MICRO-M

How Purina Research-Engineering Team Developed MICRO-MIX...

RECENT discoveries of vital growth elements placed a heavy responsibility on the feed manufacturer.

Before these discoveries could be of practical value to the farmer, two problems had to be solved:

1. Determine the combination and amounts of booster ingredients that gave best growth results for each class of livestock and poultry.
2. Find some accurate check to be sure that careful, complete mixing of these booster ingredients had been done.

Purina engineers and research men joined forces to solve these problems. Working as a team, they overcame one mechanical, mixing, and checking obstacle after another.

HERE'S HOW THE MICRO-MIX TEAM WORKS
After feeding tests show the booster elements needed in each ration, engineers are called in. They adapt, regulate and adjust machinery. Then research chemists check the results, using the new test shown below.

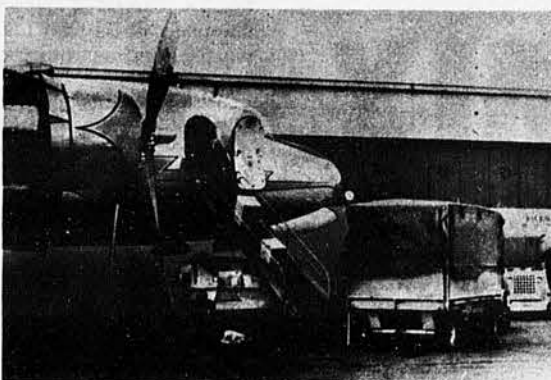


Ray Rowland, Purina's vice-president in charge of Production and Research (seated at right), discusses MICRO-MIX problems with Dr. Harold Wilcke, asst. director of research (center), and research chemist Bill Brew (left). Through teamwork of these men and their associates in the Engineering Department Purina's MICRO-MIXING method was developed.

REVOLUTIONARY NEW CHECK SYSTEM ASSURES The Right Amount of Growth Elements for your Livestock and Poultry



Samples are taken from mixers in Purina Mills throughout the United States and Canada. Dan Martin and George Lanz box samples for fast shipment to testing center.



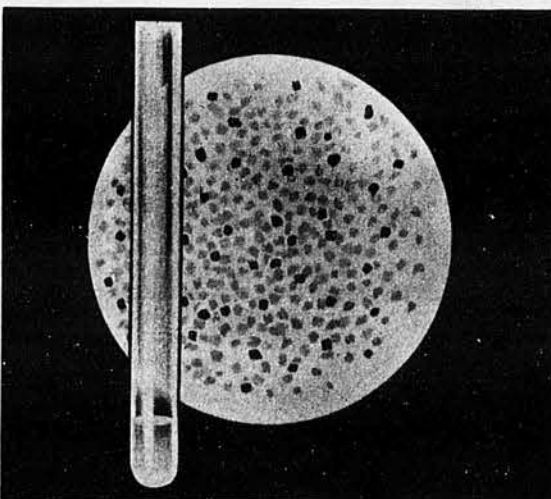
Carefully identified samples are rushed to a Micro-Mix laboratory. Speed is important since test results may show need for adjustments in machinery or mixing processes.



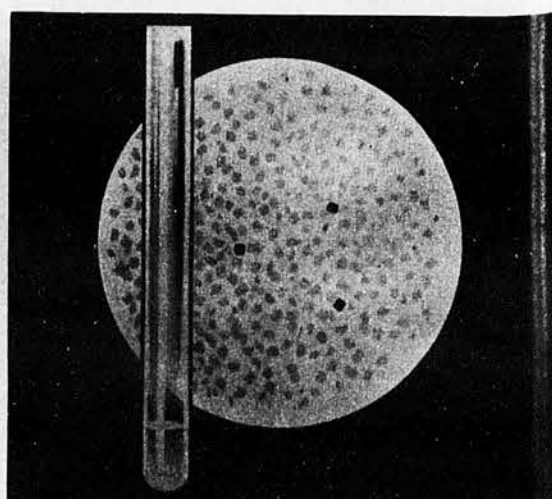
At laboratory, chemists apply Purina's new test to trace ingredient distribution. They can check mixing accuracy when ingredient is added at only 1 part in 10,000,000!



Test results from hundreds of samples are continually recorded. Engineers use these test reports to quickly find and correct trouble anywhere in the milling process.



MICRO-MIXED. Dots show even distribution of growth boosters. The livestock and poultry eating Micro-Mixed Chows get the right amount of the new growth ingredients.

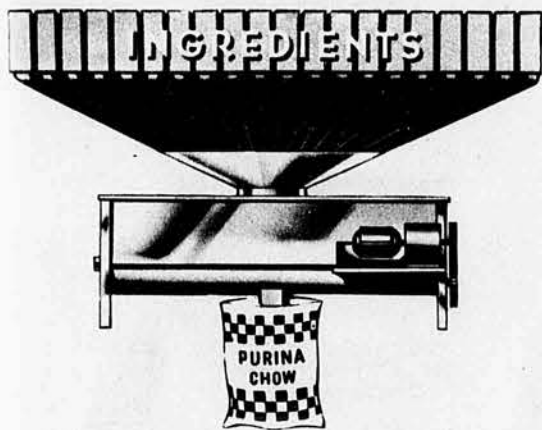


NOT MICRO-MIXED. Growth boosters are unevenly distributed through feed. Animals and birds may get too little or too much of these potent growth ingredients.

MICRO-MIXING ...what it means to you

New Growth Booster...Faster Gain on Pigs... Ration Speeds Chick Growth— Remember those headlines of a few years back? Scientists had just discovered how much some of the lesser-known antibiotics and vitamins speed growth of young animals and birds.

These miracle ingredients worked wonders. But some, added in very small quantities had to be mixed properly throughout tons of a ration. Here was a problem for engineers as well as research men to solve.



Today, 16 to 20 ingredients, including the new miracle growth discoveries, must go in Purina Chows.

Livestock and poultry feeders have been anxiously waiting for many of these growth substances to be "harnessed" so they could get the promised benefits.

Purina's Micro-Mixing process gives the added control needed to mix potent ingredients in the ration. It benefits Purina customers in heavy grain growing areas who use Custom Mix service as well as those feeding complete Chows. For a ration is no better than its concentrate, and Purina Concentrates are Micro-Mixed.

THE FUTURE UNLIMITED

THE MICRO-MIX technique opens wider the door for even greater advances in livestock and poultry feeding.

In 1941, the top group of broilers at the Purina Research Farm averaged about 3.8 pounds at 12 weeks. By 1951, the best group of birds were averaging 3.8 pounds at only 10 weeks of age. Turkey poultts at the farm gained 33 per cent faster than they did on the formula used 3 years ago. Purina Farm litters average a third more weight at weaning than do the average farm pigs.

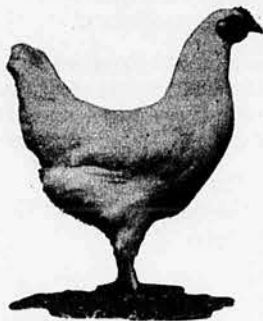
NOTE: You can't see Micro-Mixing by looking at a handful of Purina Chows. Color and texture don't tell the story. Only special tests of the miracle ingredients show the accuracy of their mixing.

See the difference when rations have the RIGHT GROWTH BOOSTERS

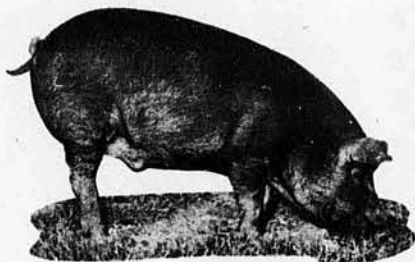
WRONG AMOUNT



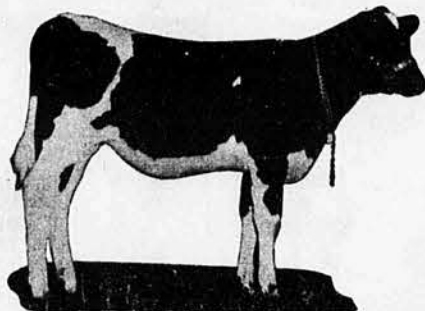
5-week-old poult — 1.4 pounds



20-week-old pullet



5½-month-old hog — 155 lbs.



4-month-old Holstein calf — 290 lbs.

RIGHT AMOUNT



½ lb. +
extra gain

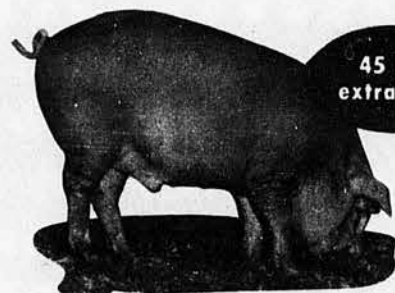
5-week-old poult — 2 pounds

Improved feathering,
More bloom



Better growth
and feed
efficiency

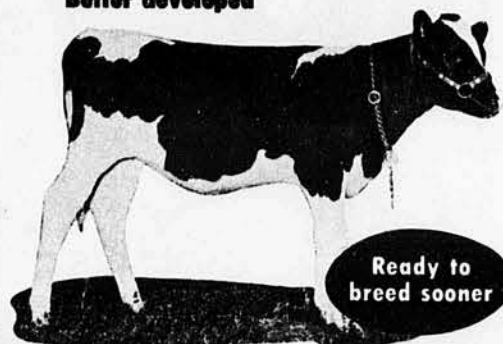
20-week-old pullet



45 lbs.
extra pork

5½-month-old hog — 200 lbs.

Better developed



Ready to
breed sooner

4-month-old Holstein calf — 320 lbs.

PURINA CHECKERBOARD NEWS

M I C R O - M I X E D I T I O N

YOUR PURINA DEALER'S

... the only place to get
MICRO-MIXED Purina Chows

MICRO-MIXED CHOWS, another Purina first, are sold only at the Store with the Checkerboard Sign . . . where quality products and quality service go hand-in-hand. For your Purina dealer does more than sell feed.

He's trained and equipped to give you real service and feeding help. He knows Purina's proved feeding programs and is glad to help you with breeding, feeding, management, or sanitation problems. And he carries a full line of livestock and poultry Chows, sanitation products and equipment.

FEEDING ADVISORY SERVICE is offered by many Purina dealers. Feeding Advisors are graduates of a complete and practical course in feeding and management. They're kept constantly up-to-date with new developments. Their service is at your command when you buy Purina Chows. There's no extra cost.



PURINA CUSTOM MIX STATIONS are in a position to serve you better than ever before. Here Purina concentrates are mixed with your grain for a complete, well-balanced ration. Concentrates are Micro-Mixed by Purina to insure accurate distribution of growth boosters in the final ration. Remember, a ration is no better than its concentrate, and Purina's concentrates are Micro-Mixed.

Next time you're in town, pay a visit to your Purina dealer. Once you've tried Purina Chows and sampled Purina dealer services, you'll know why more people feed Purina than any other livestock or poultry feed.



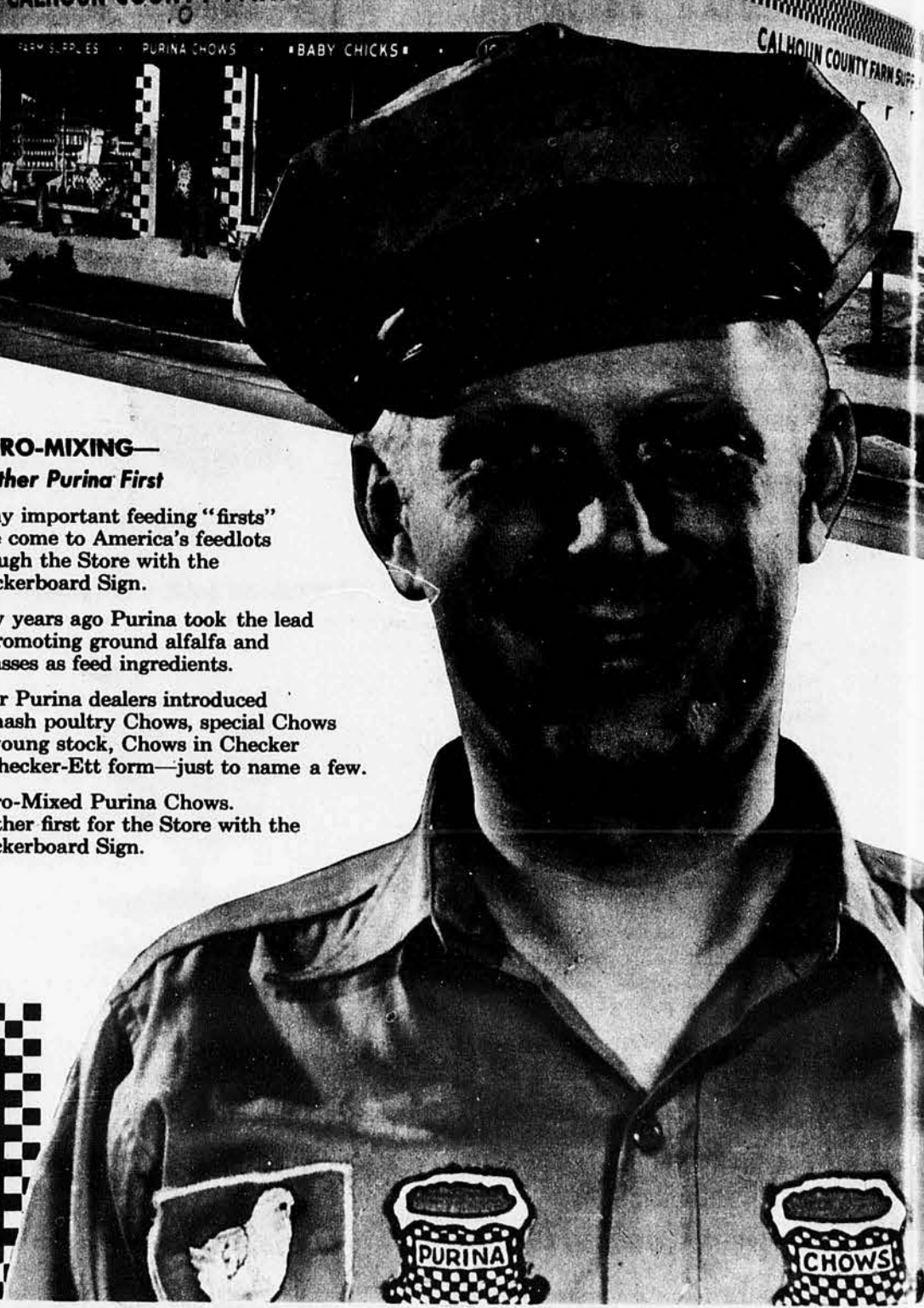
MICRO-MIXING— Another Purina First

Many important feeding "firsts" have come to America's feedlots through the Store with the Checkerboard Sign.

Fifty years ago Purina took the lead in promoting ground alfalfa and molasses as feed ingredients.

Later Purina dealers introduced all-mash poultry Chows, special Chows for young stock, Chows in Checker or Checker-Ett form—just to name a few.

Micro-Mixed Purina Chows. Another first for the Store with the Checkerboard Sign.



Ask for **MICRO-MIXED PURINA CHOWS** at the Store with the **CHECKERBOARD SIGN**

CALAMITY CAL ... by ed smyth + bill sims

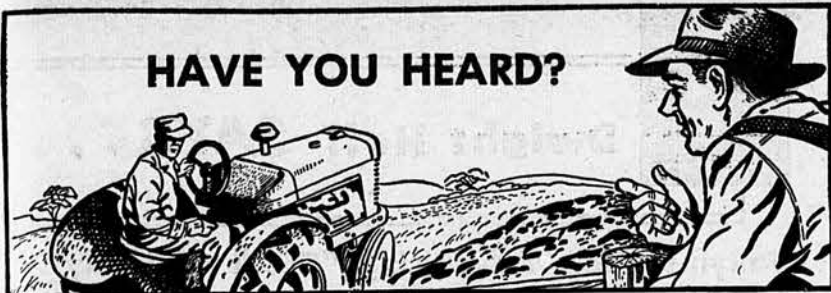
SAYS HERE TO MIX ONE BOTTLE OF THIS STUFF TO A TON O' FEED—HMM—

NOW LEMME THINK... WAS IT TWO OF THIS PER TON OR TWO OF THESE PER BAG?

IT'S NUTS! HOW CAN ANYBODY MIX IN ALL THESE TINY AMOUNTS O' BOOSTERS SO ALL THE STOCK GETS THE RIGHT AMO—OOPS! I'M SLIPPIN'!

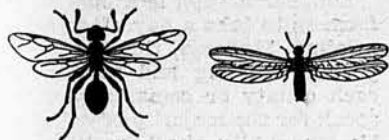
IT'S SIMPLE, CAL. ALL YOU DO IS ORDER MICRO-MIXED PURINA EVERY THIMBLEFUL ALIKE!

HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

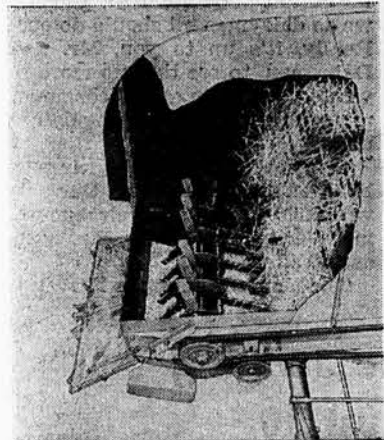
FLYING ANTS that swarm in the air often give us visions of crumbling woodwork. They may resemble termites, but if they have "hourglass" figures and "pinched-in" waists they are ants (see below, left). If one set of



wings is shorter it's an ant, say USDA entomologists.

Fertilize is a new plant food containing effective quantities of all 14 food elements known to be essential to proper nutrition. The new, 1-pound carton can be obtained from Nutritional Concentrates, Inc., 3090 W. Liberty Ave., Pittsburgh 16, Pa.

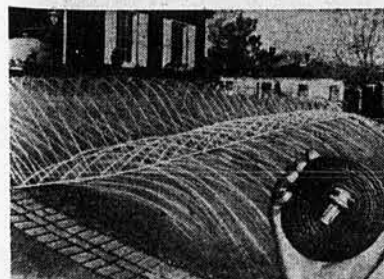
This new **hammermill-type straw chopper** available for John Deere No. 55 and No. 65 combines, chops heavy



straw, bean stalks, and weeds into short, easy-to-turn-under lengths. Distributes materials in thin, even layer over full width of combine swath. Chopped materials add humus and plant food to soil, without hindering plowing and seedbed preparation.

Wegele Scooter Mower has you riding comfortably while you do your job of cutting weeds and mowing lawns. Safe, dependable, durable, adjustable, with large pneumatic tires. Cuts swath 22½ inches wide. Fred A. Hopley, Macksville, Kan.

Garden Sprinkler is a new, complete waterer for lawn or garden which throws off a light, gentle rain-like spray. Can be regulated to be a soaker.



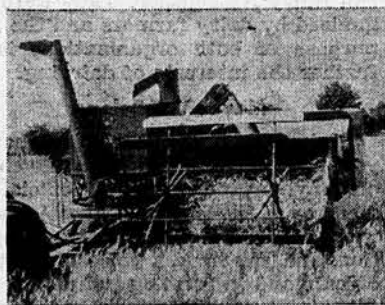
Comes in 2 lengths—20 feet and 50 feet. Guaranteed for 5 years. Write Volume Sales Outlet, 1207 Oregon Ave., Philadelphia 48, Pa.

Helix Corp., Crown Point, Ind., announces a new automatic Green Forage Unloader that delivers from 6 to 8 tons of feed in 1½ minutes at right angles into feed bunks or blower hoppers. Overall size, 7 feet 10 inches by 16½ feet. Two-foot extension sides are

added to present grain-tight cross conveyor to give box height of 4 feet.

Sheer Edge Knife Set has 5 stainless steel knives for such needs as utility knife, butcher knife, slicer, paring knife, cleaver. Are keen, well-balanced, finely-ground knives. Johe, P. O. Box 166, Evanston, Ill.

All-Crop Harvester announced by Allis-Chalmers succeeds Model "60." Model "66" features a 6-foot header with 66-inch sickle bar. There's a balanced 3-inch gather on each side of



header which permits harvesting-2 wide rows of crops without use of extra equipment. A 6-bat reel with heavier shaft and bracing is now standard equipment. New straw rack is one of major changes.

Dial-A-Spray is a pocket-size spray calculator, designed to save time and trouble. Covers these factors—gallons from 0 to 500 gallons, pressure, row spacing, speed, nozzles. On reverse side is calculator for figuring acreage and for fertilizer and sprayer work. Rear's Farm Service, 775 River Ave., Eugene, Ore.

Geneva General Store, Main & Broadway, Geneva O., has several items for the home. Bowl Set has 5 pieces—sturdy aluminum bowls come in different colors, for salads, popcorn, etc. Large bowl is 10-inches across. Drip Spoon Tray means a spotless stove and messy spoons won't roll. Hangs by stove. Write the company for more news.

Hanson Brodjet sprayer makes it possible to spray agricultural chemicals during adverse wind conditions by utilizing additional new principle of application—called Horizontal Spraying. Insures broad swaths and effective distribution of chemicals. Hanson Chemical Equipment Co., Beloit, Wis.

Ortho Fly Killer, combination of Lindane and a phosphate chemical, will knock out both "normal" and "resistant" flies, says California Spray-Chemical Corp., Richmond, Calif. Cost is low.

Comfort Equipment Co., Kansas City, has a multi-purpose weed and insect sprayer to fit 3-point hook-ups. Carries chemical in any standard 55-gallon drum. There's choice of 3 boom types.

Mayrath, Inc., Dodge City, Kan., has added several new improvements to the Mayrath auger loader.

Colorado Sprinkler is a new lawn or garden item; puts water where you want it. This new type sprinkler can be turned different ways to reach "hard to get at" spots. Curtice Mfg. Co., 357 Santa Fe Drive, Denver 19, Colo.

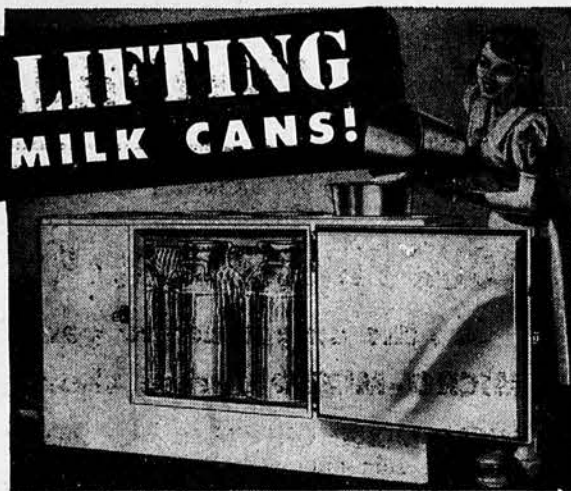
Walsh Boom Jet Sprayer features a removable gun that easily snaps out of the sprayer holster for instant use as a hand or cattle sprayer. Walsh Mfg. Co., Charles City, Ia.

STOP LIFTING HEAVY MILK CANS!

Take the Misery Out of Milking with the

T-33 MILK REFRIGERATOR

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



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

ZERO MANUFACTURING CO. 608-G DUNCAN, WASHINGTON, MISSOURI



saves time and labor — faster field operation

IT'S TRUE!
THERE'S LESS WORK AND MORE MONEY WHEN YOU USE **MINNESOTA** (RUBBER and CORD) **HUSKING ROLLERS**

MINNESOTA replacement rollers make worn corn pickers NEW! There's a MINNESOTA roller for every model.
• Saves time and labor—faster field operation.
• All weather operation—no compounds needed.
• Long life and low cost.
• Does superior job husking rough hybrid corn.
Use MINNESOTA rubber and cord HUSKING ROLLERS and be sure of cleaner corn with virtually no clogging.
SEE YOUR IMPLEMENT DEALER TODAY! OR WRITE TO

Gram & Westergaard, Inc.

4014 North Rockwell Street Dept. KA Chicago 18, Illinois

Your Best Buy Today Is U. S. Savings Bonds

Free Demonstration...

International WEED-CHOPPER ELECTRIC FENCE

... AT YOUR LOCAL DEALER

See it actually **CUT and KILL WEEDS** that "short" your electric fence!

\$29.50
COMPLETE

Here's a special demonstration you should see! Ask your dealer to show you how the "WEED CHOPPER" Electric Fencer actually cuts weeds or grass in two when they reach the fence wire! It's real proof you can have full time electric fence operation when weed "shorts" are prevented. Check all the reasons why International's "WEED CHOPPER" Electric Fencer is your best buy for permanent electric fencing (SAVE 60-90% on construction)—temporary pasturage fence—strengthening old fences, etc.

LONG RANGE • WORKS WHEN GROUND IS DRY • OPERATING LIGHTS • HI-LOW CONTROL • OUTSIDE SWITCH • FACTORY REGISTERED GUARANTEE.

HOLDS and CONTROLS CATTLE, SHEEP, HOGS, GOATS, MULES, HORSES

MAIL TODAY
For Free Information on Electric Fencing

INTERNATIONAL FENCER COMPANY
1105 W. Chicago Ave., Chicago 22, Illinois
Send me free information on building an Electric Fence and catalog.

NAME _____
ADDRESS OR R.F.D. _____
TOWN _____ COUNTY _____ STATE _____

KF753

The Sure **STOP** to control your Stock

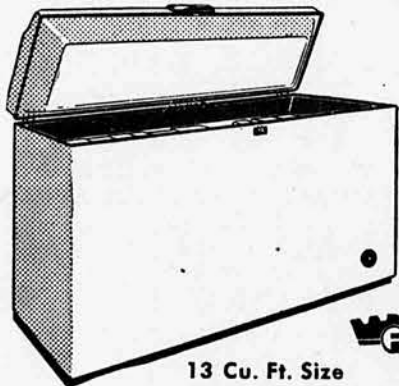
International "WEED CHOPPER" ELECTRIC FENCE
Also battery Operated and Combination Models

SOLD AND SERVICED BY OVER 10,000 LOCAL DEALERS

Living's better, easier, cheaper with a Frigidaire Freezer



Yes, a Frigidaire Food Freezer is the modern way to store foods and enjoy wonderful meals the year 'round. It actually puts a super-market right in your kitchen . . . and saves time, work and money!



13 Cu. Ft. Size
Only \$439.75

- Holds 462 lbs. food
- Counter-Balanced Top
- Extra-thick insulation
- Stays colder than ever
- Sliding Storage Baskets
- Fast-freezing shelf
- Famous Meter-Miser mechanism
- Recessed Interior light
- Target-light Safety Signal
- All-steel cabinet
- 3 sizes available

See Frigidaire Appliances At Any Of These Quality Dealers

- | | | | |
|--|--|--|--|
| <p>ABILENE
Shockey & Landes</p> <p>ALMA
Hansenbank & LaMar</p> <p>ALAMONT
Holmes Hdw. Co.</p> <p>ANTHONY
Wood Music Co.</p> <p>ARGONIA
Horton Furniture Co.</p> <p>ARKANSAS CITY
Wright-Burton Hdw.</p> <p>ARLINGTON
Fay's Sundries & Appl.</p> <p>ASHLAND
Grimes Homegas, Inc.</p> <p>ATTA
K. R. Anthony Furn.</p> <p>AUGUSTA
Coleman Gas Serv. Co.</p> <p>AXTEL
Roth's Lock. & Ap. Co.</p> <p>BAXTER SPRINGS
Milo Chew Drug Co.</p> <p>BELLE PLAINE
Foster Refrig. & Appl.</p> <p>BELLEVIEW
Fitch & Barth, Inc.</p> <p>BELOIT
Hiserote & Weir Appl.</p> <p>BENNINGTON
Powell Service</p> <p>BENTON
Moote Bros.</p> <p>BLUE RAPIDS
Brake's Furn. Store</p> <p>BUCKLIN
Day Hardware Co.</p> <p>BUHLER
Kim, Elliott & Gard</p> <p>BURDEN
Lewis Chevrolet Co.</p> <p>BURNS
Lyons Supply Co.</p> <p>BUSHTON
Siemer's Service</p> <p>CALDWELL
Terwilliger Hardware</p> <p>CANEY
Pendleton Chev. Co.</p> <p>CAWKER CITY
Hiley-Rhoades Ap. Co.</p> <p>CEADAY VALE
Williams Motor Co.</p> <p>CHANUTE
Naff & Bolze Hdw.</p> <p>CHAPMAN
Sanborn Lumber Co.</p> <p>CHENEY
Cheney Farm Store</p> <p>CHETOFA
Blankenship Hardware</p> <p>CLAFIN
J. W. Miller & Co.</p> <p>CLAY CENTER
Marshall's, Inc.</p> <p>CLEARWATER
Webb Motor Co.</p> <p>CLIFTON
Beccotte-Esslinger</p> <p>CLYDE
A. Selfert Jewelry</p> <p>COFFEYVILLE
Kingsbury Furn. Co.</p> <p>COLBY
Service Tire</p> <p>COLDWATER
Rural Gas & Elec. Co., Inc.</p> <p>COLUMBUS
Brown Refrigeration Service</p> <p>CONCORDIA
Cuthbertson Elec. Co.</p> <p>COTTONWOOD FALLS
Hamm Electric Co.</p> <p>COUNCIL GROVE
Rumsey & White</p> <p>DIGHTON
Muller Electric Service</p> <p>DODGE CITY
Newkirk's</p> <p>EL DORADO
Home appliances, Inc.</p> | <p>ELKHART
Ellis Motor Service</p> <p>ELLIS
O'Loughlin Motor Co.</p> <p>ELLSWORTH
Mills Furniture Store</p> <p>EMPORIA
Stephens Furniture Co., Inc.</p> <p>ESKRIDGE
Willard Sales & Serv.</p> <p>EUREKA
Donnelly's Radio Electric Service</p> <p>FALL RIVER
Boyd Impl. Co.</p> <p>FLORENCE
Roberts Machinery Co.</p> <p>FORT SCOTT
Darling & Maguire Sales Co.</p> <p>FRANKFORT
Lauer Electric Shop</p> <p>FREDONIA
Hollis Hardware Co.</p> <p>FURLEY
Boyd Implement Co.</p> <p>GARDEN CITY
Mayo's</p> <p>GARDEN PLAIN
Erker Garage</p> <p>GLASCO
R. W. Cramer Hdw.</p> <p>GOODLAND
D & G Electric Co.</p> <p>GREAT BEND
Mathers-Jaeger Appl. Company</p> <p>GREENLEAF
Hogan & Sons</p> <p>GREENSBURG
Culp Home & Auto</p> <p>HALSTEAD
Mantele's Dept. Store</p> <p>HANOVER
Leutner Appliance & Electric Co.</p> <p>HARPER
Jess Hamilton</p> <p>HAYS
Hays Music Co.</p> <p>HEALINGTON
Fred Lee & Sons</p> <p>HILL CITY
Quenzer Appl. & Hdw.</p> <p>HOISINGTON
Gelman Appl. Co.</p> <p>HOLYROOD
Westmacott Hdw. Co.</p> <p>HOPE
Wuthnow Furn. Co.</p> <p>HOWARD
Virgil Munsinger</p> <p>HOXE
H & K Appliance</p> <p>HUGOTON
Bob May Chevrolet Co.</p> <p>HUTCHINSON
Graber Furniture Co.</p> <p>IOLA
Schell's Appl. Store</p> <p>JETMORE
Lindas Hardware, Inc.</p> <p>JEWELL
Jewell Lumber Co.</p> <p>JOHNSON
Stewart Furniture Co.</p> <p>JUNCTION CITY
Waters Appl. Store</p> <p>KENSINGTON
Simmons-Olliff</p> <p>KINGMAN
Kingsman Radio Shop</p> <p>KINSLEY
Maytag Appliance Co.</p> <p>KIOWA
Fisher-Wood Hdw.</p> <p>LA CROSSE
Leiker's Bonus Store</p> <p>LAKIN
Hart & Co.</p> <p>LARNED
A. A. Doerr Merc. Co.</p> | <p>LEBANON
Lebanon Electric</p> <p>LEHIGH
Burkholder Lbr. Co.</p> <p>LENORA
Eldridge Electrical Co.</p> <p>LEON
Losh Motor Co.</p> <p>LEOTI
Western Hdw. & Sup.</p> <p>LIBERAL
Hettie Appliance</p> <p>LINCOLN
B. G. Hall</p> <p>LINCOLNVILLE
Burkholder Lbr. Co.</p> <p>LINDSBORG
Billings Refrigeration & Elec. Appl.</p> <p>LITTLE RIVER
Hodgson Impl. & Hdw.</p> <p>LURAY
Hickman & Hampl Plumbing & Elec.</p> <p>LYONS
Deardorff Furn. Co.</p> <p>MACKSVILLE
Breitenbach Appl.</p> <p>MADISON
Britans, Inc.</p> <p>MANHATTAN
Kaup Furniture Co. Waters Hardware</p> <p>MANKATO
Beam Motor Co.</p> <p>MARYSVILLE
Fred Burris</p> <p>MCPHERSON
Green's Appl. Store</p> <p>MEADE
C. F. Worman Elec.</p> <p>MEDICINE LODGE
Dickey Appl. Co.</p> <p>MENTOR
Johnson's Hardware and Elevator</p> <p>MILTONVALE
Phelps Furn. Store</p> <p>MINNEAPOLIS
Horner Hardware</p> <p>MORGANVILLE
Will F. Taddiken</p> <p>MOUNDRIE
Krabiel Hdw. & Impl. Co., Inc.</p> <p>MOUNT HOPE
Johnsmeyer's</p> <p>MULVANE
Lentz & Rodey Electric Co.</p> <p>NASHVILLE
Stewart Motor Co.</p> <p>NATOMA
Pohlman's Home Furn.</p> <p>NEODESHA
Kimball Electric Shop</p> <p>NESS CITY
Schroyer's, Inc.</p> <p>NEWTON
Newton Ap. Center</p> <p>NORTON
Hornes's, Appl.</p> <p>NORWICH
H. S. Eshnaur & Sons</p> <p>OAKLEY
C. D. Clark & Sons, Inc.</p> <p>OBERLIN
Anderson & Son Hdw. & Impl.</p> <p>ONAGA
Tessendorf Furn. Co.</p> <p>OSBORNE
Quenzer Appl. Co.</p> <p>OSWEGO
Williamson Stores, Inc.</p> <p>OXFORD
Donley Hardware Co.</p> <p>PARSONS
Keele Appliance</p> <p>PEABODY
Baker Furn. Store</p> <p>PHILLIPSBURG
Newell's Appl. Store</p> <p>PITTSBURG
Rodkey's</p> | <p>PLAINVILLE
Mosher Bros.</p> <p>PRAIRIE VIEW
Prinsen Bros. Hdw.</p> <p>PRATT
Link Electric</p> <p>PRETTY PRAIRIE
General Appliance Co.</p> <p>QUINTER
Quinter Appl. Store</p> <p>RILEY
Meyer Mercantile</p> <p>RUSSELL
Deines Bros.</p> <p>ST. FRANCIS
Roelf's Electric</p> <p>ST. JOHN
Abrahamson Electric</p> <p>ST. MARYS
Youngkamps Furn.</p> <p>SALINA
Goodhousekeepers Appl., Inc.</p> <p>SATANTA
Decker's</p> <p>SCANDIA
Sanborn Lumber Co.</p> <p>SCOTT CITY
Britans, Inc.</p> <p>SEDAN
Ding Bell Chevrolet</p> <p>SHARON SPRINGS
C. E. Koons & Son Hardware</p> <p>SMITH CENTER
Gripton's</p> <p>SPEARVILLE
Heskamp Chev. Co.</p> <p>STAFFORD
Falcone & Solce</p> <p>STERLING
K-T Oil Station</p> <p>STOCKTON
Quenzer Appl. Co.</p> <p>SYLVAN GROVE
F. A. Gatewood & Sons</p> <p>SYRACUSE
Stewart Furniture</p> <p>TIMKEN
Timken Lumber & Hardware Co.</p> <p>TRIBUNE
Western Hdw. & Motor Co.</p> <p>TURON
Turon Electrical Sup.</p> <p>ULYSSES
Ulysses Hardware</p> <p>VALLEY CENTER
Central Supply</p> <p>WAKEFELD
Clark Supply Co.</p> <p>WAKEFIELD
Sanborn Lbr. Co., Inc.</p> <p>WAMEGO
J. E. Stewart & Sons</p> <p>WASHINGTON
Grimm Hardware</p> <p>WATERVILLE
Hensley Hdw. & Furn.</p> <p>WELLINGTON
Nichols Electric Co.</p> <p>WESTMOBLELAND
Kinop's Cash Hdw.</p> <p>WIGGITA
The Appl. Center, Inc. 138 North Broadway 1014 West Douglas 121 East 21st</p> <p>WILMOR
Innes Vowel Furniture Co. Whitcomb Appl. Co.</p> <p>WILMORE
Bowersock Mills & Power Co.</p> <p>WILSON
Webber Hardware</p> <p>WINFIELD
Winfield Electric Co.</p> <p>ZATES CENTER
J. C. Schnell</p> |
|--|--|--|--|



Dwight Hull SAYS . . .

Dairymen Vote Advertising "Check Off" July 28

KANSAS DAIRYMEN will have an opportunity July 28 to decide whether Kansas will be placed in the front ranks of states favoring the most progressive move dairy farmers have ever undertaken. Namely, the beginning of a 12-month "check off" on our product for the purpose of starting a modern, up-to-date advertising program. This opportunity will come at a meeting called by the Kansas Dairy Association, to be held in the municipal auditorium at Topeka at 1 p. m. The Kansas Dairy Association is the state organization of the American Dairy Association.

It is regrettable more dairy farmers have not taken an interest in the Kansas Dairy Association, or in the American Dairy Association. They were organized by dairy farmers and the sole purpose of both organizations is to further the interests of dairying.

Maybe You Belong

Perhaps you didn't realize that if you have contributed thru a "check off" of your product, you are officially a member of the Kansas Dairy Association and the American Dairy Association, and you have a voice in electing officers and in forming policies of the organizations. The annual meeting of the Kansas Dairy Association is held each year in Topeka, the day before opening of the annual meeting of the Kansas Board of Agriculture.

This special called meeting at Topeka July 28, is in response to interest voiced by dairymen at 4 district dairy meetings recently held in the state. These were held at Winfield, Girard, Great Bend and Marion. At each one dairy men and women spoke out unanimously in favor of a 12-month "check

off"—2 cents on 100 pounds of milk or ½-cent a pound butterfat—in order to do a modern job of selling dairy products to the consumer. These meetings proved quite convincingly that dairymen not only realize the need of a thorough advertising program, but also are willing to support it.

Want All Counties Represented

Summer always is a busy time for farmers to take a day off to attend a meeting. However, this is a very important meeting and someone from each county or community who can speak for the majority of dairymen in his community, should make a special effort to attend the Topeka meeting. Of course, as many dairymen as possible should attend so the sentiment of the majority of dairymen will be expressed.

Every dairyman of the state should feel it his responsibility to attend or get in touch with someone who will attend and let them know his wishes regarding the 12-month "check off."

This is a time for action! If we are interested in our business, if we believe in our business, if we want people to know the true value of the most important food item on the market, we as dairymen all should do our part. Really, it's up to you, Mr. Average Dairyman, to see that no more time is wasted in telling the consumer the many advantages of buying dairy products.

Our competitors sell their products by intensive advertising. Our only salvation is to match their businesslike methods by advertising that is equally as intensive.

The time for action is NOW!

Annual Narka Swine Judging Contest Set for August 10

AN OUTSTANDING event of the annual Merchants Picnic, at Narka in Republic county, August 10 to 12 is the swine judging contest and fat barrow show, to be held August 10. It is one of the most active and outstanding swine judging contests for youth.

The judging contest, open to both FFA and 4-H members, consists of 8 classes of swine. High team will receive a trophy with high individual receiving a fall gilt. Medals will be given to 3 high individuals in both FFA and 4-H work. The barrow show is open

to youth living in Republic and Washington counties, and Thayer and Jefferson counties of Nebraska. Awards will be given to the 2 high barrows in each classification. Grand champion barrow will be slaughtered and sold by the package at auction on Wednesday night, August 12. In 1951 the champion barrow brought more than \$300, was 2nd highest-priced barrow in the U. S.

The event is open to the public, but entries restricted to the 4 counties named.



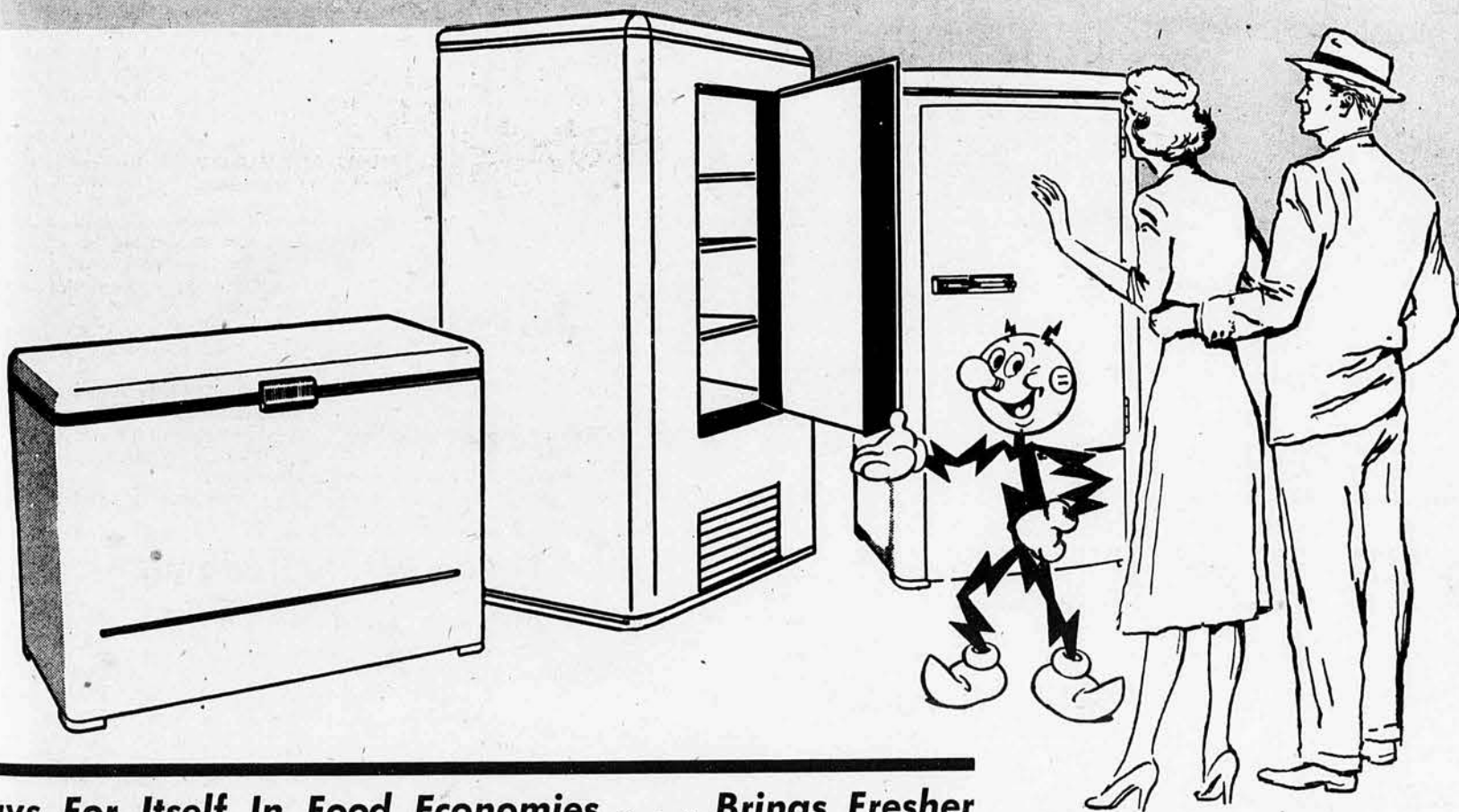
NARKA JUDGING TEAM pose by their community welcome sign to 1953 Fat Barrow Show, at Narka, August 10 to 12. Left to right, they are: Ken Chapp, Paul Novatny, Hal Ramsbottom, coach, and Don Mach.

"They Go Together!"



A Modern Farm...and a Modern Food Freezer

an Important Reddy Kilowatt service for better living on the farm



Pays For Itself In Food Economies . . . Brings Fresher More Balanced Diet . . . Saves Shopping Trips In Busy Seasons . . . Makes Farm Living Envy Of "City Cousins"

NOW you can freeze fresh food at the peak of goodness and serve it throughout the year. Say good-bye forever to the burden of home canning. Food is so easy to prepare for quick freezing and the flavor of every delicious morsel is saved for months to come. The nutritional value of food is protected, too—the modern frozen food way. It's no exaggeration to state that a food freezer "pays for itself in food economies."

Meal Planning Made Easy with Reddy Kilowatt running the freezer. You can do your cooking and baking at your convenience, bring out delicious, full dinners, including baked desserts, virtually ready to serve. You can forget food seasons. Scramble the calendar to suit your taste with the magic of your own home freezer. And feeding unexpected guests is no problem when you have a variety of foods in your home freezer.

A Treat for the Entire Family.

Everyone enjoys a home freezer. There's more money left for other things when food costs are cut. There's more time for fun . . . shopping trips are more leisurely when last-minute food buying is eliminated. Get your home freezer now . . . upright, cabinet or walk-in . . . whichever type fits your needs the best.

Visit your local appliance dealer today. Let him show you his line of food freezers and other electric labor-saving products.

ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

Central Kansas Power Company
Western Light & Telephone Company
The Kansas Power and Light Company

Kansas Gas and Electric Company
Kansas City Power & Light Company



Kansas Farm Home and Family

By FLORENCE MCKINNEY



Photos courtesy Ball Brothers Company

PRESERVES AND PICKLES

For Winter Variety

IT'S TIME to fill the jars with tasty preserves and pickles. The remainder of the summer there will be fruits on the trees and in the markets, there will be cucumbers for pickles to add zest to winter meals.

Plum Preserves

Use any variety of plums you wish and sugar to suit your taste and variety of plums.

2 pounds plums 3 or 4 cups sugar
1½ cups water

Wash, drain and seed plums. Prick the skins if you do not remove seeds. Add sugar and water. Let stand several hours. Boil until plums are tender and sirup near the jelling point. Pour into hot jars and seal at once.

Apricot Marmalade

1 pound dried apricots ¼ cup chopped almonds
2 cups water Grated rind of 1 orange
2 cups sugar

Wash fruit, soak in 2 cups water several hours or overnight. In the water in which fruit was soaked, simmer until very soft. Rub thru sieve and return to heat. When boiling, add sugar and simmer 40 to 45 minutes, stirring almost constantly to avoid scorching. Add chopped almonds and grated orange rind, stir thoroly and pour into sterilized jars and seal while hot. Makes about 6 small jars.

Fresh Cucumber Slices

2 quarts sliced cucumbers 3 cups vinegar
1 cup sugar 1 cup water
1 teaspoon mustard seed 1 teaspoon whole black pepper
1 teaspoon celery seed 1 small red pepper
1 small clove garlic 1 small piece horseradish

Cut cucumbers into ¼-inch slices and soak overnight in brine made of ½ cup salt and ½

Heart Offering

"Old Man" Hart, who lives in Coffee Hollow, is queer. Brush grows roof-high in his big yard, Edges his fields, clogs his streams. He does not follow,

Folks say, "the modern farming pattern." Hard As he works his place looks strange, forsaken. They do not understand him, nor his way Of seeming unconcern. Thoughtless, mistaken, They overlook the danger birds each day Meet living on a treeless, wire-fenced prairie. "Old Man" Hart is wise. He knows that neat Clean farms discourage birds and make them wary,

So offers, thru neglect, a safe retreat That they may find sweet freedom from alarm On his untidy 80-acre farm.

—By Bertha R. Hudelson.

FRESH CUCUMBER SLICES will give zest to your meals all the year round.

PLUMS, ANY VARIETY may be used in making these tasty preserves.



gallon water. Drain. Add sugar and seasonings to the vinegar and water. Boil 5 minutes and pour over cucumbers. Let stand overnight, then drain and pack cucumbers into hot jars. Strain sirup and pour over cucumbers. Process in water bath for 20 minutes at simmering.

Chunk Pickles

Here's a recipe for the old-fashioned variety of chunk pickles.

5 quarts cucumbers 1 tablespoon celery seed
2 cups salt 1 tablespoon whole allspice
5 to 6 cups sugar 1 piece horseradish
2½ quarts vinegar for sirup Vinegar for soaking
1 pod red pepper

Wash and cut cucumbers into 1-inch pieces. Soak 3 days in brine, made by dissolving 2 cups salt in 1 gallon cool water. Drain and soak cucumbers 3 days in clear water. Do not change water. Drain. Cover cucumbers with equal parts water and vinegar and simmer 20 minutes. Discard liquid. Add 2 cups sugar, spices and horseradish to the 2½ quarts vinegar. Simmer 10 minutes. Pour while hot over cucumbers and let stand 24 hours. Reheat liquid. Add 2 cups sugar and pour back over cucumbers. Let stand 24 hours, then pour off sirup, add rest of sugar and pour back over cucumbers. Let stand 24 hours. Pack pickles into hot jars. Bring sirup to boiling and pour over the pickles. Seal at once. If there is not enough sirup, add more vinegar.

FROM THE KITCHEN

Honey Pecan Tarts

Pastry:

- 1 1/2 cups flour
- 1/2 teaspoon salt
- 1/2 cup shortening
- 1/4 cup cold water

Sift flour and salt together. Cut or rub in shortening to consistency of corn meal, add water and mix. Roll out on lightly floured board. Cut into circles, 6 inches in diameter. Press into muffin pans and build up sides so filling won't run out.

Filling:

- 2 eggs
- 3 tablespoons sugar
- 1/8 teaspoon salt
- 1/3 cup strained honey
- 1/3 cup light corn sirup
- 1/2 teaspoon vanilla
- 2/3 cup chopped nuts

Beat eggs. Add sugar, salt, honey, corn sirup, vanilla and nuts. Blend together. Fill the unbaked tart shells with 1/4 cup of the mixture. Bake in hot oven (400°) for 25 to 30 minutes.

Eggs-in-a-Bun

Make a Hearty Snack

Eggs and cheese in a toasty-hot bun, served with catsup or mustard . . . that's the kind of between-meal or luncheon treat the youngsters will appreciate. Here's how to make them.

Slice 4 hamburger buns in half. Scoop out centers of lower halves leaving 1/4-inch rim around the edge. Brush with melted butter and place on baking sheet. Break an egg into each hollow. Season with salt and pepper. Place top halves on baking sheet with a slice of cheese on each.

Bake in moderate oven (400°). Bake

bottom halves until the eggs are exactly like you prefer them, 12 to 15 minutes. Bake top halves until cheese starts to melt, 5 to 10 minutes. Serve promptly, open or closed, as you like.

Gingerbread With Apple Sauce

This is good, we tried it. A delightful dessert that can be made in a jiffy is made by topping slices of gingerbread with apple sauce. Sprinkle a mixture of sugar and cinnamon over each slice and broil under low heat until the apple sauce bubbles.

Good Pickle Recipes

Brined or cured pickles, fruit pickles, quick process pickles and relishes are featured in our leaflet, "Pickles and Relishes." If you would like a copy send 3c to Home Service Editor, *Kansas Farmer*, Topeka.

Onion Soup

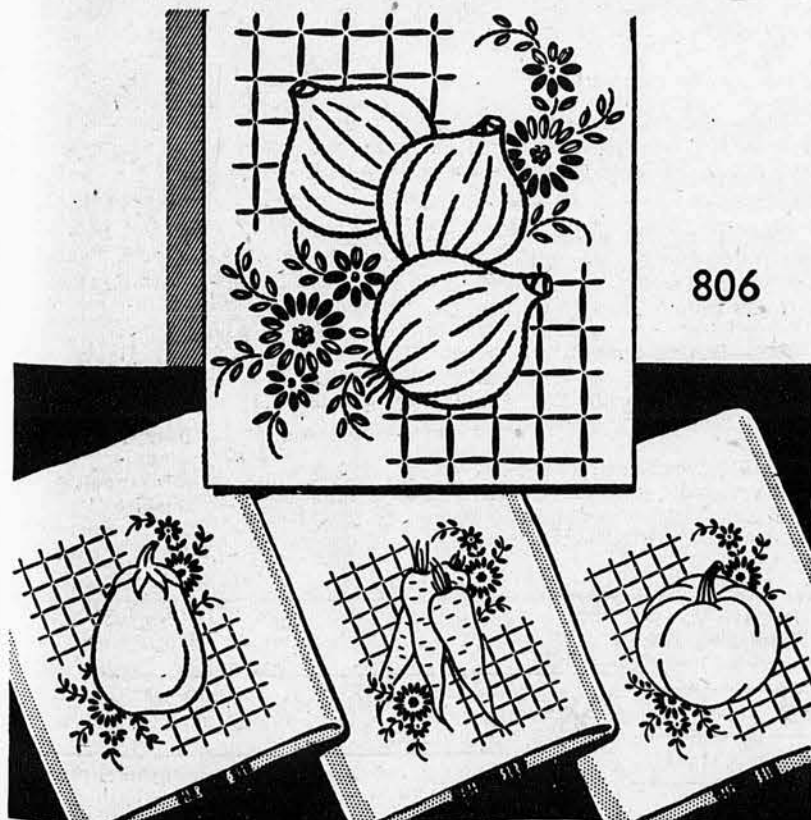
For a tasty onion soup for cool days, use 4 cups thinly sliced large onions, 1/2 cup butter or margarine, 1/4 teaspoon pepper, 2 beef bouillon cubes, 2 2/3 cups water.

Fry the onions in the butter until they are a rich, golden brown, sprinkling them with pepper while cooking. Add the browned onions to a kettle containing the boiling water and bouillon cubes. Continue boiling gently 15 minutes or longer in the covered kettle. Place a round of toast in each soup bowl and pour soup over. Top with grated cheese.

WHY A LIBRARY?

The educational value of reading, both during school days and after they are over, is recognized by all thinking people today. It is little use teaching children to read unless books are available after they leave school. A taste for good books and the reading habit can best be acquired while young, and access to a larger collection than the school affords is needed.

COLOR FOR KITCHENS



Colorful vegetables on black latticework make a cheerful-looking sextet of kitchen towels. Quick to embroider. A child can begin on these embroidery designs. Pattern 806 includes transfers of 6 designs 5 1/4 by 6 1/2.

Pattern is 25 cents. Add 5 cents for first-class mailing. Address Needlework Editor, *Kansas Farmer*, Topeka.

KNOW YOUR BIRDS . . .

By L. B. CARSON

The Red-Tailed Hawk

*On thermals o'er the countryside
The red-tailed hawk is wont to glide,
Or from his favorite perch on high,
He scans the fields with sharpest
eye . . .*

*And heaven help the rat or mouse
Who tries to journey from his house
For if the red-tail sees him there
His quick demise will leave no heir.*



THIS red-tailed hawk, one of the largest and most conspicuous of the broad-winged, slow-flying hawks often is the victim of the trigger-happy hunter who has the idea all hawks should be killed on sight. True, hawks are meat eaters or birds of prey, but this fact does not condemn all hawks and mark them for immediate slaughter.

Any animal which depends on other animals for food will feed on whatever is available and easily caught. This might include chickens which range too far afield, but as far as this bird is concerned, he prefers rats and mice. These pests provide him with 55 per cent of his food, while rabbits and squirrels add another 9.5 per cent to his diet. Insects provide 10.5 per cent while small birds average 9.2 per cent. Snakes and frogs are not overlooked and score 6.1 per cent against 6.3 per cent for poultry. Game birds such as quail, prairie chicken and pheasant form only 2.1 per cent, which leaves little room for other food.

The red-tail, like other hawks, will feed on the carcass of any animal he finds and often is accused of killing poultry which may have lost their lives from some other cause. Such food would show up in the analysis of stomach contents and would be entered against the bird. This does not mean the bird is never guilty of killing poultry, for sometimes one of these birds will find poultry is easily caught. When this occurs it is easy to eliminate the culprit and not condemn all red-tailed hawks for the sins of one.

Buteos or broad-winged hawks, of which the red-tailed hawk is a member, are not too easy to identify as to the exact species. But all have broad wings and widely-expanded tail which show they are members of this beneficial class.

Have a Question?

We welcome your questions about birds. If you want help in identifying birds around your home, let us know. Describe the bird as carefully as you can, as to color, marking, song, size and habits. Questions will be given to L. B. Carson, bird writer, for his answers. All other types of bird questions will be given the same consideration. Questions and their answers will appear in a future issue of *Kansas Farmer*. Address questions to Florence McKinney, Home Editor, *Kansas Farmer*, Topeka.

In this area, a short-tailed, heavy-set hawk sitting upright and motionless in the top of a dead tree is likely to be a red-tail. But if you see a bright-reddish upper tail surface or a dark bellyband, you will find these marks helpful. The young have a gray-brown tail which is finely barred with black which changes to reddish color with age. Adults vary from the dark western birds to light birds without distinctive marks.

The red-tail likes a habitat of open fields with a border of large trees which serve it with ample perches where it can scan the fields for prey. It builds a bulky nest of sticks, lined with finer material and often decorated each day with fresh green twigs. This is usually built in a tall tree near the edge of a clump of timber, but sometimes on cliffs or smaller trees in open country.

Eggs are white, sparingly blotched and spotted with browns and run 2 to 4 in number.

When disturbed or during the mating season, this bird often gives a long, loud, downward slurred scream which is not repeated as often or as clearly as the call of its near relative, the red-shouldered hawk. The latter has a 2 or occasionally a 3-syllabled call and not the single downward note of the red-tail.

The size, beauty and dignity of this hawk adds much to the pastoral scenes of our countryside and we wish for him a long life and happy hunting.

Golden and Silver Wedding Anniversary

If you are helping with plans for celebrating a golden or silver wedding anniversary you will be happy to have the information offered in this leaflet. For your copy send 3c to Home Service Editor, *Kansas Farmer*, Topeka, Kan.

Snap Beans Raw Pack Style

Tastier beans and quicker, easier canning; these are advantages to the home canners who use a raw-pack method of canning. Specialists in the Bureau of Human Nutrition and Home Economics, U. S. Department of Agriculture, rate beans from the raw pack first in taste when compared with pre-cooked beans. They have a more natural bean flavor and are fresher and crisper.

The raw-pack method saves jar heating and pre-cooking, more beans may be put in the jar. Here is the procedure to follow:

Wash beans, trim ends and cut into one-inch pieces. In glass jars, pack raw beans tightly to one-half inch of top. Cover with boiling water, leaving one-half inch head space. Add one-half teaspoon salt to each pint; one teaspoon to each quart. Adjust jar lids according to instructions by manufacturer. Process in pressure canner at 10 pounds pressure (240°) 20 minutes for pint jars, 25 minutes for quart jars. As soon as jars are removed from canner, complete seals, if closures are not self-sealing.

Refinishing Furniture

If you have questions about this subject—how to remove old finish, fillers for holes and cracks, stain, varnish, shellac, care of brushes—you will find the answers in this 3-page leaflet, "Refinishing Furniture." Instructions are easily followed and are reliable. For your copy write Home Service Editor, *Kansas Farmer*, Topeka, Kan. Price 3c.

for
HOME
CANNING

and
FREEZING

it's... **ATLAS**



White Enamel Lined

See THE Seal



It's up when you buy it.
It's down when sealed.

It's
ARC-LID



HAZEL-ATLAS GLASS COMPANY
Wheeling, West Va.

A perfect seal. Strong and safe for all approved methods of modern home canning and freezing. Easy to use and to open. No rubber rings required. Only the lids need replacing. Fit all standard mason jars, but only ATLAS Jars come with ATLAS Arc-Lids. Insist upon ATLAS —Caps and Jars. FREE— Write for complete freezing information.

POLIO

Statistics show that over the Nation new Polio cases this year are already 30% greater than during the same period last year.

For the sixth time in as many years the Polio epidemic is striking in American homes, bringing hardship and tragedy to thousands of families. Should Polio strike in your home it takes **READY CASH** for the prompt treatment of this dreaded disease. There is no sure way of preventing Polio, but we can relieve you of this haunting fear by providing you with protection in

Our NEW Family Group POLIO POLICY Which Pays Up to \$6,000.00

TO EACH INSURED MEMBER—Protecting husband, wife and all unmarried children under 18 years of age—regardless of where you live, any place in the United States or Canada. Our policy pays the usual and customary charges for the treatment of Polio, covering such expenses as:

**DOCTOR BILLS
HOSPITAL CARE
NURSING CARE**

**AMBULANCE SERVICE
RENTAL OF IRON LUNG
TRANSPORTATION**

NO WAITING PERIOD

No Increased Rates for Large Families

Polio is no respecter of age or persons . . . it can strike anywhere, any time. When polio strikes, it requires the best medical care possible and such care is estimated beyond the financial resources of nine out of every ten American families. The money for such treatment must come from somewhere and there is only one low cost solution. You can provide **READY CASH** for prompt treatment of this dreaded disease thru our **NEW FAMILY GROUP POLIO POLICY** . . . the cost is small, only \$10.00 a year.

ACT NOW . . . DELAY MAY BE COSTLY

Mail a postcard TODAY direct to Capper's Insurance Service requesting rates and application blanks. This information will be mailed promptly and without obligation. If you have small children in your home . . . 2c spent in mailing a postcard TODAY . . . may be one of the best investments you have ever made. Address your card to

Capper's Insurance Service, 52 Capper Bldg., Topeka, Kan.

Summer Fashions

9399—Look taller, slimmer in this step-in dress. No alteration worries. Half sizes 14½ to 24½. Size 16½ takes 4¾ yards 39-inch fabric.

4696—Slenderizing dress with deep yoke, brief bolero. Women's sizes 34 to 48. Size 36 dress and bolero takes 4 yards 39-inch fabric; ¾ yard contrast.



9206
SIZES
12-20

4696
SIZES
34-48



9399
SIZES
14½-24½



9095
SIZES
2-10



9352
SIZES
10-18

EACH
ONE
YARD
39"

9206—Smart, simple dress with tabbed sleeves, tiny waistline, graceful skirt. Misses' sizes 12 to 20. Size 16 takes 4 yards 39-inch fabric.

9352—Complete blouse wardrobe, glamour, casual and suit blouses with embroidery transfer for small and large monogram. Misses' sizes 10 to 18 take 1 yard 39-inch fabric.

9095—Button-down-front dress with redingote look, angel sleeves, scalloped panties. Child's sizes 2 to 10. Size 6 dress 1¾ yards 35-inch fabric; 1¼ yards contrast.

9321—Favorite dress with sleeves in one with bodice, flared 4-gore skirt. Sew it in stripes or solid color. Misses' sizes 12 to 20 and 40. Size 16 takes 4½ yards 35-inch fabric; ½ yard contrast.



9321
SIZES
12-20
40

Pattern Numbers	Size	Name
		Route
		Town
		State

Patterns are 30 cents each. For first-class mailing, add 5 cents more for each. Address Fashion Editor, Kansas Farmer, Topeka.

NEWS TO YOU?

Unlike the more familiar filament bulbs, the life of your fluorescent lamps is shortened by turning them on and off unnecessarily. It is wise economy to keep fluorescent burning when you leave a room for a short while.

Melt chocolate on a large piece of waxed paper placed in a saucepan. When chocolate is melted it will slide off the paper easily, leaving a clean utensil.

Tote-A-Step's long handle makes it easy to carry from room to room. Non-kid pad combines well with maple

Few homes have airtight storage for woollens, but you can help by using sprays. Apply a 5 per cent solution of DDT to closet surfaces, floors, carpets, baseboards and door edges. And don't forget the inside of drawers and chests. For best results spray about every 3 months.

Basting on the sewing machine has largely been overlooked in the past, but it is speedy and more accurate than hand basting.

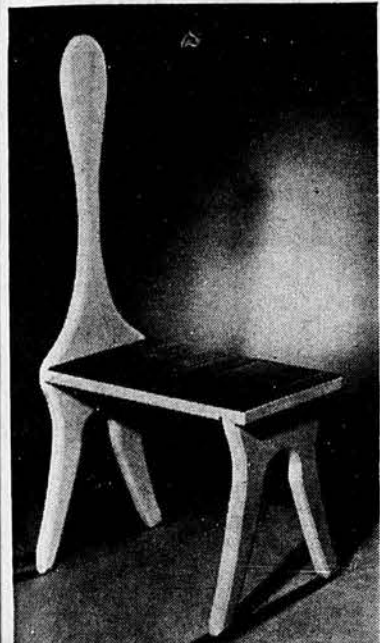
If you're making hamburgers for a large crowd, here's an idea to speed the task. Flatten out the meat mixture to desired thickness and cut into patties with a large biscuit cutter.

Never upholster in cotton unless it is dark-colored. Dry cleaning cotton never comes out as clean as washing.

Nutrition quackery is a term that is becoming widespread these days, exploiting the consumer's pocketbook, at the same time impairing his health by encouraging him to depend on strange diets or nutritional preparations for treatment of serious diseases.

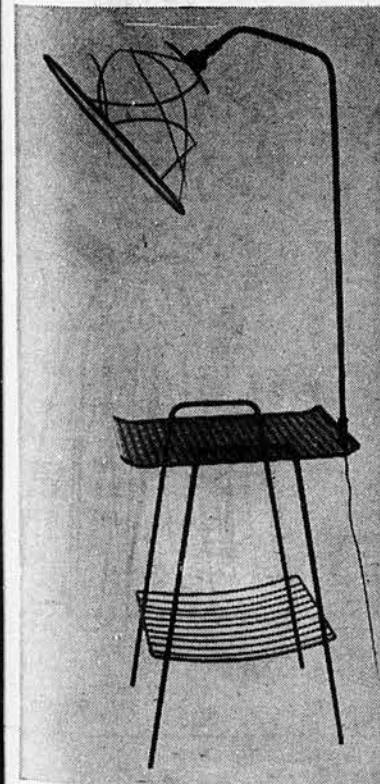
In considering home decoration, remember unpainted, inexpensive furniture painted to suit your scheme combined with nice fabrics for draperies and furniture, makes a better effect than expensive furniture and ordinary fabrics.

This star candelabra is modern in design, made in black iron. It's 14 inches high and 9 inches from point



finish. Homemaker can reach high places in cupboards, little folks like it for play and TV stools. Write Jack Stonhouse, F-2, 528 Polk Drive, Sarasota, Fla.

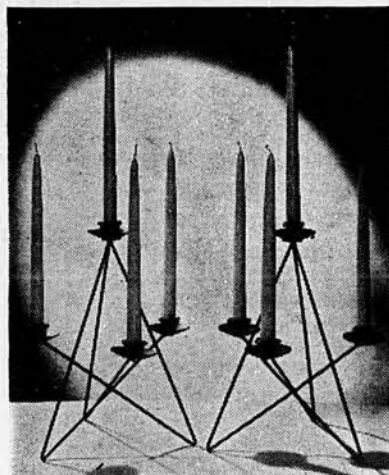
If you're hunting a sleek-lined, modern lamp, fine for reading while sitting in your favorite chair, here's the answer. It's a combination lamp, table and magazine rack made of wrought iron with a black and white shade.



Write to Ella Benitz, Crosby, Lloyd and Young, Inc., 666 Madison Avenue, New York 21, N. Y.

Games for Outdoors

Need some games for the picnic season? Then you will be happy to have our leaflet, "Games for Outdoors." For your copy send 3c to Entertainment Editor, Kansas Farmer, Topeka.



to point. Use with tall white tapers for dining or buffet suppers. Foster House, FK, 15 Cole Court, Princeville, Ill.

A sponge bath with alcohol followed by washing with soap and water usually will prevent ivy poisoning within 15 to 30 minutes after contact with the plant or the ivy wood.

Downes and Co., 81 Salem Lane, Evanston, Ill., have a set of 3 hat boxes with a transparent window in the front. Store them on the shelf, and quickly select the hat you wish.

No one likes to clean the broiler pan. Lining the bottom of the broiler pan with aluminum foil does away with this messy job.

For crusty-topped loaves of bread, brush the tops with water several times during the baking, after the bread has been in the oven at least 10 minutes. Do this quickly, so the oven is not cooled down in the process.

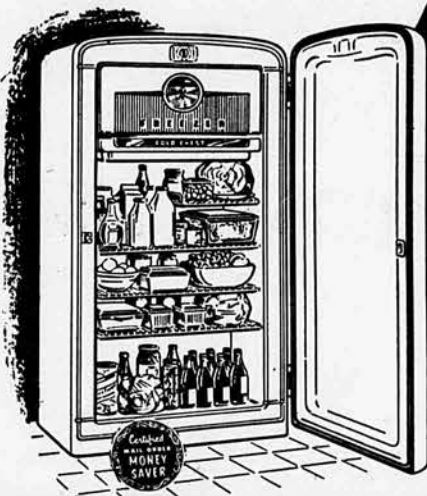
When pressing a wool garment you can avoid leaving a ridge on the right side by using this simple trick. Slip a strip of brown paper 2 or 3 inches wide under the seam allowance on each side of the opened seam. And to press inverted box pleats, use strips of brown paper inside the pleat and under the pleat so that ridges of the pleat will not show on the right side. For best results, use a wool press cloth.

SAVE MANY DOLLARS - USE OUR MAIL ORDER PLAN

Gambles
The Friendly Store

Shipped DIRECT-Factory to YOU!

9.2 CUBIC FOOT CORONADO With Full Width Freezer



Compare at 259.95

177⁷⁷

Plus Freight from Factory or Nearest Shipping Point

2.25 per week, payable monthly

- Holds 60 lbs. Frozen Food
- 14 1/4 sq. ft. Shelf Area
- Pure Porcelain Interior
- Special Beverage Shelf
- Polar Power Sealed Unit
- 5-Year Written Warranty

M044-19075

GREATEST PAINT SAVINGS in YEARS

GRADE "A" EXTERIOR WHITE

Compare at 5.95 per Gallon

3²⁹ per Gallon in 5-Gal. Cans

Plus Freight from Factory or Nearest Shipping Point

- Linseed Oil and Titanium Base
- Easy to Apply on Any Surface
- Self-Cleaning—Stays White
- Will Not Crack, Chip or Peel
- Resists All Weather Extremes

M030-19676



EVERYONE LIKES TO BUY WHOLESALE...

Join the thousands who are buying quality needs for their homes at record savings—thanks to our Mail Order Plan. You save because we cut selling costs these many ways:

- 1 Eliminate extra handling and warehousing.
- 2 Cut out store stocks and store overhead.
- 3 Dispense with expensive luxury services.
- 4 Reduce display, office and extra tax costs.
- 5 Ship many items direct from assembly lines.

OUR EASY TERMS APPLY—ASK ABOUT THEM!

OTHER MAIL ORDER SPECIALS

KITCHEN STEP STOOL	Chrome; Red Duran Compare at 16.95	9.95
PLATFORM ROCKER	Red, Green, Beige Plastic. 49.95 Value	29.95
GAS RANGE	4-Burner Porcelain Compare at 89.95	59.95
CHROME DINETTE SET	5-Piece Deluxe 99.95 Quality	68.88
42" CABINET SINK	Complete with Hardware, Compare	69.95
36" GAS RANGE	Porcelain; Oven Window. 139.95 Value	89.95
15 CU. FT. FREEZER	5-Year Protection Plan, Compare at 400.00	277.00

All Items Are Plus Freight From Factory or Nearest Shipping Point
ORDER FROM YOUR NEAREST GAMBLE STORE

ORDER FROM YOUR NEAREST GAMBLE STORE



THIS AMAZING HEAVY DUTY MOTOR OIL

WILL KEEP YOUR ENGINE COOL AND CLEAN DURING HOT SUMMER DRIVING!

Skim along all summer long, with an engine that's clean and cool, lubricated properly with Heavy-Duty HI-V-I motor Oil! Its richer, tougher, longer-lasting film of protection has been fully approved for heavy-duty service under U. S. Army specification Military Ordnance 2104. Heavy-Duty HI-V-I stands guard against trouble from carbon deposits, corrosion, friction, heat and oxidation!

Heavy-Duty HI-V-I Mil-O-2104 grade oil cuts consumption too! It's more economical to use this premium motor oil! And... your passenger car engine needs its extra protection, as much as your truck and farm machinery engines need it!



CHAMPLIN REFINING COMPANY
ENID • OKLAHOMA

Symbol of Quality

Diamond Top

Tongue-Lock CONCRETE STAVE

SILOS

QUALITY

... in production
... in erection

McPHERSON
Concrete Products Co.
904 W. Euclid St. McPherson, Kansas

NEW STRODA BALE ELEVATOR

Length, 20 ft.—elevates 15 1/2 ft., full bale width. Easily powered 1/2 H. P. motor. Double cable winch.

Low Priced—\$199.50
Dealer Distributor

LONGHOFER SUPPLY
Marion, Kansas Phone 307

"Our Goal . . . a Safe Community"

(Continued from Page 4)

shoulders of some roads that should be marked.

A motion is made that the situation be studied to see whether the club can make improvements, and a committee is named to look into the matter.

The committee meets at the home of Mr. and Mrs. Sawyer and the chairman leads a discussion about how the work can be carried out. Problems of carrying out the project are brought out and a course of action is agreed upon.

In this case, it is planned that the club will meet for a full day outing to chart the road signs and danger spots that should be worked on and marked. Transportation is arranged and each member will bring a sack lunch. When signs and danger spots are marked, the club will send a delegation to visit the county commissioners to see whether permission to do the work will be granted. Thus a new project in their safety program is planned, launched, and is well on its way in their third year of safety work.

Lots of Elbow-Grease

Sound planning, a spirit of co-operation, and plenty of work by all club members have seen many similar projects carried to their completion.

Material for their safety program comes from the Extension service, National Safety Council, and the Farm Bureau. Mr. Sawyer is Rawlins county Farm Bureau Safety chairman. An office type file holds all materials used in safety work as a source of demonstrations, talks and surveys.

During National Farm Safety Week (July 19 to 25 this year), the club will sponsor a window display in a store window in Atwood. Other clubs in the county sponsor window displays also, but not on a competitive basis. A tape recording was made to broadcast over radio stations in the county during National Safety Week. A tape recorder, donated by the State Safety Council, was the prize won in 1952 contest.

Make Safety Survey

A farm safety survey called for club members to visit each farm in the county with a checklist of safety features. A copy of the completed checklist is left with the farmer and a recheck is made later to determine whether the hazards are repaired. The recheck showed that hazards such as faulty ladders, steps, and many other possible danger spots are removed in most cases. Also checked on farms are fire extinguishers and medicine cabinets. A check will be made this year to see whether medicine kits are complete and old medicines are thrown away. The theme for this is, "Let's correct this hazard."

Competition is high among clubs within the county regarding floats in parades and booths at the county fair. The club won first prize with the float in the annual rodeo parade held last year. It demonstrated the proper and improper way to lead a calf. This year's float was to show how defective wiring and matches can cause fire. "Take time

to take care. Ninety per cent of all fires are caused by carelessness."

Driftwood's booth on safety was county champion at the fair last year and rated a high blue at the state fair.

Arrangements were made with the superintendent of Atwood city schools to patrol city intersections when school started in the fall. Their club members participated in the safety driving contest sponsored by the Kansas Farm Bureau.

Demonstrations are one of the club's strongest projects. They beg for the chance to give demonstrations at community meetings and business groups—mainly for the experience. Last year trips were made to several communities in the county and to two 4-H groups in Nebraska. At the 4-H County Festival in March, the club participated with 75 demonstration teams. Driftwood entered 16 teams and brought home 14 blue ribbons. Two of these teams went to the regionals. At present, 5 safety teams are on call to give demonstrations or talks before organizations.

At the Balanced Farming Program, April 24, near Atwood, 2 of the boys gave a demonstration on scotchlighting farm implements for traveling highways at night. Farmers saw how it was applied and could view its effects thru a darkened tube.

Gave Puppet Show

Every club member either gave a talk or demonstration during the club year. One of the most interesting demonstrations on safety was the puppet show. A club member wrote the story and there were 5 characters in the cast. The setting and puppets were made by the members.

County safety signs were made and installed on 4 places on the 2 principal highways entering Rawlins county. Expenses were paid by the club at the cost of \$42. Last year the club sponsored a poster contest at the county fair.

A club notebook was prepared by the safety historian enumerating their activities. Club members clipped headlines about accidents and pasted them in their safety book. This was a grim reminder to obey rules of safety which they were stressing. The book of the last 2 years will be submitted to a Denver radio station in a commercially-sponsored safety program over 4 states. It will be returned in time to be entered in the county and state programs.

Members Think Safety

Safety is impressed on the minds of club members at all times. Besides the work carried out by the club, roll calls ask what has been done on each member's farm, to focus attention on safety.

Driftwood gets very good parent and neighborhood co-operation in inspection of farm safety.

In the words of Jack Wise, County Extension Agent of Rawlins county, "Words cannot describe the results obtained from their efforts, but it is well to believe the Driftwood 4-H community will be a safer and better community."

HINTS ABOUT CONSTIPATION

By CHARLES H. LERRIGO, M. D.

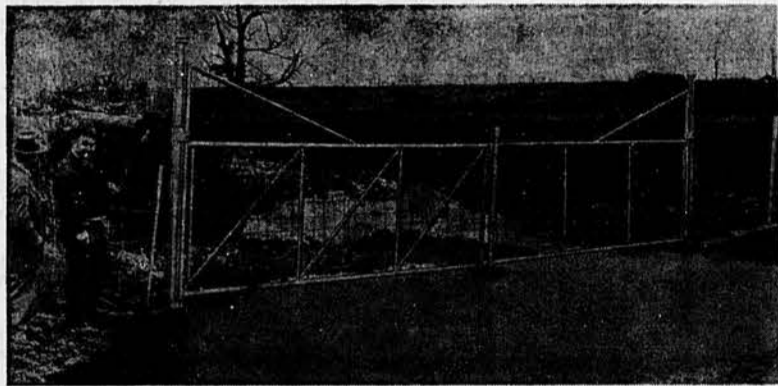
Constipation is not to be cured by taking cathartics. It is said this is the "Rush Age" and therefore the "Cathartic Age," one being linked with the other. You may as well make up your mind that one of the necessary factors in curing constipation is to get over your rush. One of the cardinal principles in hygienic living is to set aside a regular time for elimination and thus promote systematic evacuation of the bowels. Taking a cathartic and thus driving an evacuation at a time suited to your convenience, whether the bowels are willing or not, is simply an invitation to a state of obstinate chronic constipation.

More information about this is given in my special letter, "Hints About Constipation." Copy will be sent to any subscriber sending a request, with an envelope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kan. No copies can be sent unless the stamped envelope is received, please.

THE SHEFFIELD FENCE RIDER

PUBLISHED IN THE INTEREST OF GOOD FENCING

HOW FLOOD GATES, GOOD FENCING, PAY OFF ON OZARK RANCH



Ranch owner Ted Dunham (left) and foreman Lester Clark survey one of the flood gates they devised to save expensive rebuilding of fences due to washouts. Gates were fabricated by a nearby blacksmith.



Good fencing plays a vital role on the King's X Ranch. So far, 35 miles have been installed — Sheffield fence all the way.

FREE!

Subscription to The SHEFFIELD FENCE RIDER

This article about Ted Dunham's King's X Ranch is condensed from the full story in *The Sheffield Fence Rider*, a magazine with interesting features for all the family in every issue. Ask your nearest Sheffield dealer to put your name on his Fence Rider mailing list. FREE.

Valuable Fencing Lessons at King's X

"Do it right . . . and it will last a lot longer."

That is a watchword on Ted Dunham's 6000-acre King's X Ranch near Buffalo, Missouri, which provides some valuable lessons in good fencing.

There are several flood gates devised on the ranch by Dunham and his foreman, Lester Clark. They save expensive rebuilding of fences due to washouts.

Here's how the gates are made. At each side of the creek or draw, and at mid-stream, collars of pipe are seated in concrete. The two halves of the flood gate are hinged with strap iron to 4-inch pipes which fit into the 5-inch collars. A smaller pipe is also fitted into the mid-stream pier. Then the gates are tied with thin wire to that center post, with the bottom corners of the 2-inch pipe gate frames resting on the middle block.

"Normal water flows under the gates," Clark points out. "In high-water time, the weight of the water snaps the thin wire and the two parts of the gate swing downstream. When the flood is

past, we wire the gate back together."

The arrangement of collars seated upright in the cement blocks was worked out to permit easy removal of posts if they should be bent by a floating tree or in unusually heavy and swift water. Cattle make no effort to force the gates, Clark says, and high winds haven't been equal to high water in opening them. The gate spans can be made to length needed for any particular place.

In fencing, too, an unusually fine job has been done. Some 35 miles of new fence has been installed on the King's X—12 miles of it built with steel posts, the rest with Arkansas cedar posts with 4-inch tops.

Corner posts are creosoted bridge timbers, set 36 inches and strongly braced. Clark says seated posts last three times as long as sharpened, driven oak posts used widely in the Ozarks.

And what about the wire? "It's all Sheffield wire," he says. "We use it all the way. Makes a mighty fine looking fence."

DON'T STRETCH FENCE WITH A TRACTOR!



WRONG WAY



RIGHT WAY

A vital feature of good fence is the "tension curve" in the line wires to permit expansion and contraction with temperature changes and livestock crowding. About 1/2 of the depth of these tension curves should remain after fence is stretched. Using a tractor or jeep to stretch your fence may stretch the curves too much, ruining the ability of the fence to take the stresses of use and time. Be sure to

use nothing but a stretcher of the winch or hydraulic type.

Do you have "pet ideas" on fence building? Send them to the SHEFFIELD FENCE RIDER. Best ideas will be published in this column.

HERE'S WHY SHEFFIELD FENCE DOES A BETTER JOB LONGER

Sheffield Fence is made of special analysis steels, under strict quality controls from furnace to finished fence, in Sheffield's own mills. It is galvanized with a perfectly bonded zinc to last longer.

An extra wrap of stay wires on top and bottom line wires, and a longer knot on other line wires, give extra strength. Yet the extra steel

in Sheffield Fence costs you no more.

See your Sheffield dealer. He'll show you these Sheffield features that mean greater fence value, and take care of your requirements from the wide range of Sheffield sizes and types.

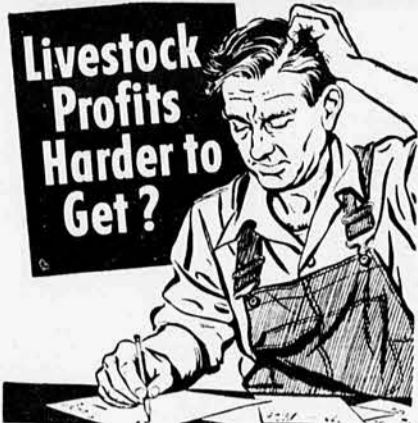
SHEFFIELD Spooled Baling Wire
Finest for automatic balers.
Now in good supply.



SHEFFIELD STEEL CORPORATION
HOUSTON KANSAS CITY TULSA

SUBSIDIARY OF ARMCO STEEL CORPORATION





... NOT WITH **BIG 6**

TRACE MINERAL SALT

Most grasses and home-grown grains no longer supply enough vital minerals for proper livestock feeding. That's why livestock suffer from depraved appetites, emaciation, slow gains, brittle bones, etc.—why your livestock profits are not what they might be.

YOUR LIVESTOCK NEED EXTRA MINERAL HELP!

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

Available from most feed dealers in 50-lb. blocks and 50-lb. and 100-lb. bags.



AMERICAN SALT CORPORATION
20 West 9th Street Bldg., Kansas City 6, Mo.
Makers of REX Multi-Mineral Supplement with Salt, BIG 4 Iodized Mineral Supplement Salt

BAKER MULTI-VALVE
FOR JOHN DEERE POWER LIFT

Write for details on low cost hydraulic control for Drawn Implements. Simple to install and low in cost.
FREE FOLDERS ON REQUEST

BAKER MFG. CO. NELIGH, NEBR.
HOME OF THE FAMOUS BAKER CONTROL

Buy U. S. Savings Bonds

BUY DIRECT FROM FACTORY AND SAVE



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

SPECIFICATIONS
Width of Cut—36 in. Bearings—Timken. Power—3 H.P. Briggs & Stratton. Frame—Fabricated Electric Welded Steel. Differential—Auto Type Drives From Both Wheels. Drive—Standard Auto V-Belts. Gears—Machine Cut. Tires—100x8 Pneumatic. Self Propelled.

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

Manufacturers of Power Equipment
Foushee & Heckendorn
Cedar Point, Kansas

Up to Now Answers to Surpluses Still Not Found—Here Is Score

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

BACK IN 1930, the late Alex Legge, then chairman of the Hoover Farm Board, had a fund of 1/2 billion dollars to stop falling wheat and cotton prices. The fund was being depleted. The Farm Board was acquiring what, in those days, looked like an awful lot of wheat and cotton, trying to buy up surpluses of these 2 commodities.

Most embarrassing question asked Chairman Legge was this: "What are you going to do with the surpluses?"

And that is the problem today, faced by Secretary of Agriculture Ezra T. Benson and the Commodity Credit Corporation. Mr. Legge never got the answer. Neither did the succeeding administrations.

What We Have on Hand

Wheat, corn, cattle, dairy products—CCC has quite sizable surpluses of all these on hand. And it faces having to take over more, at 90 per cent of parity. Chairman John H. Davis, CCC, has some 3 billion dollars of federal funds tied up in surplus farm commodities. Here are some of them:

Wheat—More than 310 million bushels, with more millions rolling in, and still more millions coming under loans after harvest. Present investment in surplus wheat, some 837.5 million dollars.

Cotton—237 million bales, 32.7 million dollars invested. And more coming. Cotton products—2.3 billion pounds, investment of some 213.5 million dollars.

Corn—242 million bushels, purchase price 389 million dollars; holdings expected to triple by end of marketing season.

Butter—CCC now owns more than 200 million pounds—204 million mid-June—purchased for 136 million dollars.

Cheese—49 million dollars invested in 145.3 million pounds.

Three Solutions Offered

Aside from wishful thinking, it is difficult to find anyone with a solution that does not fall under one of the following 3 heads:

1. Lowered production. Will require extremely distasteful and oppressive controls of production, acreage and marketing.

2. Expanded domestic and foreign markets. Increased per capita consumption in domestic markets for major commodities, with present high support prices, is viewed with pessimism in trade circles. USDA and farm organizations are trying. Dollar "gaps" and trade restriction as of today are not encouraging as to upping exports—except by what amounts to give-away. And even then we'll have to pay the freight charges—some 25 million dollars to deliver that million tons of wheat given to Pakistan.

3. More or less, probably more, permanent subsidization of American agriculture.

Wheat Quotas Proclaimed

Secretary Benson, as predicted far back as February, proclaimed wheat marketing quotas for 1954 wheat crop the morning of July 1. Date for growers' referendum required to make quo-

tas effective (two-thirds majority of eligible growers voting required) held up until Congress acts on proposed legislation to up acreage allotments. Under law in effect July 1, national allotment was set at 55 million acres. House bill (Hope, R., Kan.) would increase this to 66 million acres. Senate may reduce it to 62 million acres.

Bill also would increase exemptions from quotas by making farms with 25 acres devoted to wheat (or producing less than 400 bushels) exempt; replacing a 15-acre, or 200-bushel exemption.

On July 1, Benson announced support price of 1954 wheat crop at \$2.21 a bushel, trifle over 90 per cent of parity (\$2.42).

Make Distress Loans

To meet emergency drouth situations in Southwest, threatening to extend to the West Central Plains states, President Eisenhower made immediately available 8 million dollars for distress areas in Colorado, Oklahoma, Texas, New Mexico, Arkansas, some in Kansas and Missouri.

Congress is working on Hope-Aiken (R., Vt.) bills to make unspecified millions of dollars available for:

1. Economic disaster loans to farmers and stockmen in disaster areas designated by the President, where losses had reached such proportions that FHA could not handle the situation.

2. Special livestock loans to be made and collected thru FHA to any eligible farmer or stockman who "has a reasonable chance of working out of his difficulties with supplementary financing" and whose creditors would agree to co-operate.

3. The legislation also would create a program of emergency assistance in supplying feed and seed; from a revolving fund handled by Secretary of Agriculture instead of from the President's emergency fund.

Cut Railroad Rates

Same time western railroads cut rates 50 per cent on shipments to Kansas, Texas, Colorado, Oklahoma and New Mexico on corn, bran, oats, wheat fit only for feed, hay, soybean cake, soybean meal, cottonseed oil cake, cottonseed oil meal, and cottonseed oil pellets.

Try Beef-buying Ideas

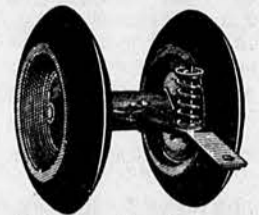
A White House order also put in effect a limited beef-buying program by government agencies, that it was expected would be enlarged and extended. Cattle growers increasingly are urging that most effective means government can use to reduce surplus of cattle is an extensive beef-buying program. Also urge that drouth conditions make this even more imperative. Admittedly, the problem of the surplus looms larger in the minds of beef producers than even the drouth.

The few extra billions of dollars necessary to meet the immediate problem of farm surplus thru government aids and supports is just one of the difficulties the Eisenhower Administration is running into in trying to halt inflation, balance the budget, and reduce taxes.

(Continued on Page 32)

Churchman

PRESS WHEELS with KLEAN-WELL SELF CLEANING RUBBER TIRES



Big 5 Star Performance

- ★ Earlier Germination—Stronger Plants
- ★ Uniform Growth
- ★ Greater Production per Acre
- ★ LOW COST—No Replacement Cost!
- ★ Heavier Wheels—No added weight necessary for increased drilling speed!

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

Churchman MANUFACTURING CO.
Box 521 Wichita, Kansas II 8-3821

Revolutionary, NEW BALE LOADER



PICKS UP AND LOADS BALES Automatically!

With a Snowco Bale Loader, you'll never lift a bale by hand! Hoists bales from the ground and drops them onto your truck or wagon, automatically! 1 man does the work of 4! Completely self-powered! No PTO—No engine needed. Works on hilly as well as level ground. Tried & proven in actual field use.

FREE illustrated folder! Mail card today! Ask your dealer for demonstration—and its low cost.

The SNOW CORPORATION
5010 N. 30TH ST. OMAHA, NEBR.

Little Ads Bring Big Result

in Kansas Farmer—Classified Department. Only 10c a word, per issue —12 words minimum.

"THE EASIEST" operated POWER LAWN MOWER

Heavy weed trimming to do? We have the machine for the job. Leaf mulching attachment if you like. For illustrated folder, and price list, write.

ROGERS MFG. CO.
MARYSVILLE, KANSAS

LIFTS MORE! LIFTS HIGHER!

DUNCAN LOADMASTER

FITS ALL ROW CROP AND CONVERTED WIDE FRONT END TRACTORS! These Attachments are available for DUNCAN LOADMASTER: Dozer Blade, Push-off Hay Stacker, Hay Loader, Snow Bucket, "V" Type Snow Plow. Lifts up to 13 ft. Scoops below level of front wheels!

Write for Illustrated Folder
IRRIGATION PUMP COMPANY
COLUMBUS, NEBRASKA

COMING, NEXT ISSUE . . .

For hot-weather reading fare, we offer in the home department 2 stories of interest to our women readers. A feature-length story relates the satisfaction and pleasure one Kansas farm homemaker gets from painting . . . not the kitchen walls, but decorative items. How she does this is told in the story, "Painting . . . Satisfying, Pleasant and Profitable."

Twelfth in the "Know Your Birds," series will be a story about the mallard duck, together with questions from readers and the answers by L. B. Carson, writer of the bird series. Watch for these 2 stories in the August 1 issue of Kansas Farmer.

Know What Your Soil Needs

(Continued from Page 1)

helping farmers get better efficiency from use of fertilizers and in preventing waste of fertilizers, reports Doctor Olson. "There still are too many buying fertilizers blindly or according to price tags rather than based on actual soil needs, however," says Doctor Olson. "The most expensive fertilizer a farmer can buy is one that is not made fit the needs of his soil. Only by making soil tests and buying fertilizers accordingly, can a farmer get his money's worth."

Raised Our Sights on Fertilizer

Some interesting things have developed during the 4 years soil testing has been growing so rapidly in Kansas. We definitely have raised our sights on the amounts of fertilizer needed for average crop production in Eastern Kansas," says Doctor Olson.

This is evidenced by a change on July 1, this year, in fertilizer recommendations. As a result of soil tests so far, plus correlated field tests in Eastern Kansas, the Kansas Experiment Station is boosting its recommendations on both nitrogen and potash.

On small grains, the ration has raised the nitrogen recommendation about 10 pounds of actual nitrogen per acre, and in corn and grasses by 15 pounds an acre. For vegetables the requirement has been boosted by 30 pounds of nitrogen per acre.

Potash requirements have been boosted 10 pounds an acre for small grains, 20 pounds for legumes and 30 pounds for corn. "It must be remembered," says Doctor Olson, "that even with these increases, our recommendations will be for only average crop production. If you want better than average yields you will have to use even more fertilizer."

Not Using Enough Lime

Warren Teel, Anderson county agent, says: "Despite a long and intensive drive on use of lime to sweeten Eastern Kansas soils, a majority of the soil tests made in our county laboratory still show we are not applying enough lime. There is great room for improvement in use of lime thruout Eastern Kansas, in my observation."

This is confirmed by records at the state laboratory, in Manhattan. Records there show that of all soil tests made in Southeast Kansas, for instance, 66 per cent show a need for up to 2 tons of lime an acre and another 20 per cent show need for more than 2 tons an acre. Other reports from both Eastern and Central Kansas indicate at least 50 per cent of farmers in these areas are not using enough lime.

Right now, however, the entire soil-testing program has reached a critical point in its development, according to Doctor Olson.

"As you know," says Doctor Olson, "soil testing started in Eastern Kansas where we have the most rainfall, acid soils, and where fertilization pays highly. Soil testing has moved rapidly westward until now we are reaching an area where we have relatively low rainfall, plus neutral or alkaline soils. Value of fertilization in these areas is less well established and use of fertilizer is often of doubtful value."

"Farmers in one county have difficulty seeing why they don't need a soil-testing laboratory when their neighboring counties may have them. There is a tendency in some counties to want to establish a soil-testing laboratory when one is not actually needed. Average cost of setting up one of these county laboratories is about \$1,100. Most of our county laboratories are

taking in enough money to pay cost of operation, but the average county laboratory is not operating at more than one tenth of its capacity.

"We want to help farmers in every way we can and one of these ways is to advise them against putting in a laboratory they don't need. To assist farmers in the state in making an intelligent decision, we have drawn up a map of the state showing location of present laboratories, where new ones are proposed, and indicating those counties in Kansas where we think soil-testing laboratories are of doubtful or no value."

L. E. Willoughby, Extension agronomist at Kansas State College, once said that in any area there will be a 10-year period during which soil tests will show spots that need certain fertilizers. This need becomes more and more apparent in time until entire area shows need.

Neighboring Counties Will Help

If a soils laboratory is questionable in some areas of Kansas, yet individual farmers in those areas want to keep a check on condition of soil fertility on their farms, what can they do?

Doctor Olson makes this suggestion. "Where establishing soils laboratories is questionable those counties could make agreements with adjoining counties to do their testing. Where county agreements are not advisable or possible, individual farmers could make their own arrangements with the nearest laboratory or send their samples here to the state laboratory."

As yet, soil-testing laboratories have no place in Western Kansas, Doctor Olson points out, yet there is some demand in that area for them. To point up the position of the Kansas Experiment Station and Kansas State College on this question, county agents in that area are being informed by letter that:

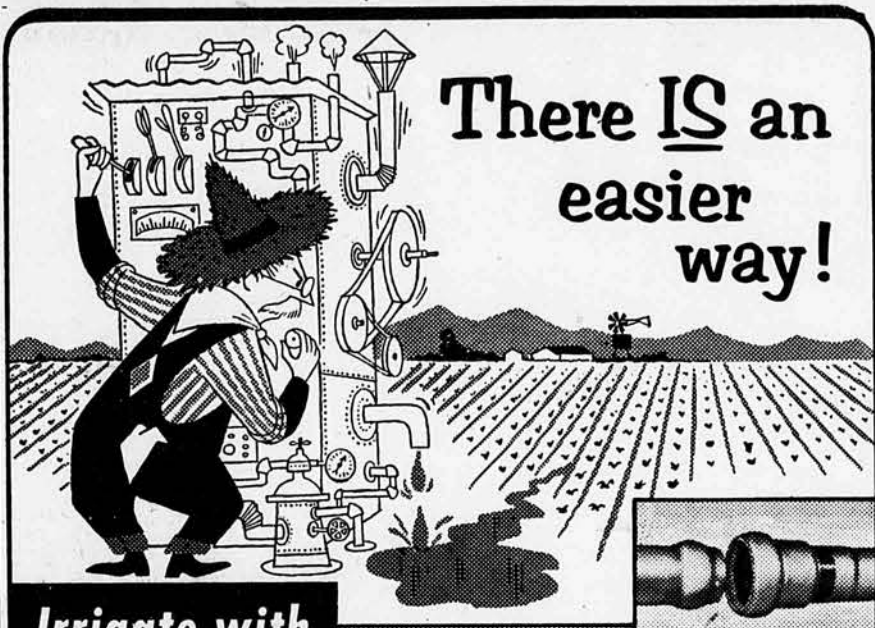
"Fertilizer recommendations based on soil tests are not reliable in Western Kansas. There are a number of reasons why this is true. We have never been able to correlate fertilizer response consistently with soil test values in Western Kansas, probably due to the moisture factor than any other reason.

Must Find the Answer

"As long as moisture continues to be more limiting than plant nutrients," the letter continues, "that situation is going to continue. Most soils in Western Kansas are high in phosphorus and are calcareous in nature. The phosphorus test we use at present is not very reliable under those conditions. In fact, we do not know of a reliable phosphorus test for calcareous soils. We plan to develop such a test.

"When all factors are considered fertilizer recommendations from soil testing in Western Kansas are of very questionable value at present. This does not mean fertilizer response cannot be obtained in Western Kansas. It merely means using fertilizers based on soil tests is not reliable. We should not destroy confidence in soil testing by pushing tests into areas where their use is so questionable."

In Eastern Kansas, however, the situation is entirely different and soil testing undoubtedly has played a large part in the huge gains in fertilizer use. More than 261,000 tons of fertilizers were sold in Kansas in 1952 compared to only 10,000 tons 10 years ago. Under present economic conditions a further large increase appears desirable. Fertilizers, when properly used, should help get high acre yields and enable you to obtain larger gross income and higher net profit.



Irrigate with
AMES
ABC-COUPLED
Sprinkler Pipe

Have gentle "rain" in a matter of minutes with an Ames Roto-Rain or Perf-O-Rain portable sprinkler system. The ABC-coupled aluminum pipe saves hours of time and labor. Push-click, it's instantly coupled from the carrying position, then automatically locked and sealed by water pressure. An easy twisting pull and it's apart. No troublesome hooks or gadgets.

Benefit from the experience of an irrigation specialist. Without obligation your Ames dealer will engineer an efficient system tailored to your needs. Get in touch with him today.

ROTO-RAIN • TOW-A-LINE • PERF-O-RAIN • GATED PIPE



IRRIGATION
EQUIPMENT
W. R. AMES COMPANY

150 Hooper Street
San Francisco 7, Calif.
3905 East Broadway
Tampa 5, Florida

Insist on
B-W PACKAGE ELECTRIC FENCING

SAVE MONEY INCREASE PRODUCTION

Easy to erect for permanent or temporary installations. Take advantage of wasted feed on harvested crop fields and unfenced grazing acreage. Increase meat and dairy production 20 to 30% by frequent pasture rotation. Electric fencing does these things best at lower costs for materials and labor.

* Sold in Hardware & Farm Supply Stores . . . Write For Your Closest Dealer

B-W Manufacturers, Inc.
721 N. WEBSTER ST. - KOKOMO, IND.

STEEL POSTS
FITTINGS
SPECIAL ELECTRIC FENCING WIRE

PEACH PICKERS WANTED

About Aug. 25

IN MESA COUNTY, WESTERN COLORADO

Colorado has a reduced crop of Peaches this year, but Mesa County, the state's chief producing area, has an Almost Normal crop, and will surely Need Peach Pickers in 1953.

Adult male pickers, physically able, are preferred, but many willing, capable women and teen-agers can obtain picking employment. Smaller crop this year assures fine quality fruit.

Wage Rates—90 cents an hour for Men workers, plus 10 cts. hourly Bonus for Adults completing job. Picking rate of 12 cts. per bushel, plus 2 cts. bu. completion Bonus, also offered. Fast Pickers make \$15 Daily.

Clean, comfortable living quarters FREE on many ranches. Modern, low-cost accommodations at industry-maintained Labor Camp Only \$5 a Week per Family unit. Camp provides beds, mattresses, stoves, lights, water fuel, laundry facilities, children's playground. Or, if you own camping equipment, bring it along. And be prepared to take home, or can here after Harvest, plenty of wonderfully-flavored, sweet, juicy, tree-ripened COLORADO Mountain-Grown PEACHES.

A 2-cent Postcard will bring you full details. Address at Once:
Oscar Jaynes, MESA COUNTY PEACH CONTROL BOARD (Phone Palisade 100)
OR, Jack Vancil, COLORADO STATE EMPLOYMENT SERVICE (Ph. Palisade 230)
P. O. Box 368, Palisade, Colorado
OR, CONTACT YOUR NEAREST STATE EMPLOYMENT OFFICE

COMING, AUGUST 1 . . .

The dry fall of 1952 and dry spring and early summer of 1953 have emphasized the need of water to stabilize crop production in many areas. In the August 1, Kansas Farmer you will learn how several hundred farmers are solving their water problem thru sprinkler irrigation.

It Pays To Be
"ON THE ALERT"

Use The **ONLY**
POULTRY WORMER
Containing New Drug
Butynorate

DR. SALSBUARY'S
Wormal
TABLETS or GRANULES

Gives You Both
SAFE and EFFECTIVE
removal of
TAPEWORMS*
Large ROUNDWORMS
CECAL WORMS
(Tablets also remove
Intestinal Capillaria Worms)

Won't Retard Growth
or Egg Production

Easy To Use — Low Cost

Wormal Granules mix easily in the mash for flock worming; or give Wormal Tablets to individual birds. Flock treatment costs about a penny a bird. Get safe, effective Wormal, today.

*Genus Raillietina

When you need poultry medicines, ask for **DR. SALSBUARY'S** ... at your hatchery, drug, feed, or poultry supplier

DR. SALSBUARY'S LABORATORIES • Charles City, Iowa

Keeps Crops Alive
in DRY WEATHER...



Aluminum FLEX-O-SEAL
Portable Irrigation Pipe

Drought need not burn away your profits. Light-weight, easy-to-handle FLEX-O-SEAL carries water where and when you need it most, saving crops and cattle in dry weather. Fast-action, flexible pressure-tight coupling assures quick assembly—makes pipe adaptable to level or rolling land without elbows or tees. Aluminum or Galvanized in 3, 4, 5, 6 or 8-inch diam. Write for FREE booklet and name of nearest dealer.

CHICAGO METAL MFG. CO.
3736 S. Rockwell St.
Chicago 32, Illinois

Your Best Crop Insurance...

POWER STEERING
—TRACTORS
—COMBINES

LESS FATIGUE — AVOID ACCIDENTS
Field tests prove Power Steering is no luxury but necessary insurance against hazardous tractor operation... makes steering so easy, a child can operate the most stubborn tractor. You owe it to yourself and family, to have Power Steering on your farm.

EASY TO INSTALL
LOW COST!

You can install Power Steering yourself... even change it from old to new tractor. Power Steering is absolutely guaranteed for satisfactory results.

Models for W9, 125 SP and 127 SP, now in production. Models for all other tractors and combines with drag link and tie rod steering arrangement, available within 90 days.
Only \$115.00 Complete,
F. O. B., Pratt, Kansas

Write Today for FREE Illustrated Literature

POWER STEERING
DEPT. A
PRATT, KANSAS

Answers to Surplus Still Not Found

(Continued from page 30)

For Big Defense Cut

President Eisenhower has had to take a hand personally, thru letters to Congressional leaders, in making possible his recommendation for a 5-billion-dollar reduction in appropriations for Defense Department. Here's why—or at least one reason why.

The "military" are strategists, not only in dealing with the armed enemy forces, but also in dealing with Congress. It has been a long-standing theory of Armed Services—the Pentagon now—that military installations, properly located, can become a barrier to drastic cuts in military spending. And what has been going on the last few months indicates the strategy is basically sound.

So, when Congress—with or without White House backing; for many years past without, now with—attempts to cut appropriations for the military, it runs up against stubborn facts, not just theories.

Only One State "Out"

In continental United States today, there are military installations in 47 of the 48 states. Only North Dakota has none—no one seems to know exactly why.

In all there are 767 such installations—Army posts, Naval stations, Air Force bases; airfields, shipyards, training centers, arsenals, dry docks, depots, specialized warehouses, ordnance plants, all sorts of military installations, "strategically placed" with reference to votes in Congress as well as for military strategic reasons. There are 350 Army installations, 265 Navy, 152 Air Force. Pay alone for men stationed in Army installations runs \$1,800,000,000 a year, plus \$2,100,000,000 more spent annually for food and other supplies. Over the Nation, \$7,000,000,000 a year is spent to maintain men and equipment and such. And much of it is spent in the state, in the local communities, where the 767 installations are strategically placed.

A rumor from Washington that such-and-such an installation may have to be abandoned, or its activities seriously curtailed and the local community really gets busy on 2 senators and a congressman. The pressure is terrific. Some strategists in our Military.

Huge Foreign Aid Bill

Or it is suggested that foreign aid funds be reduced. Now, Mutual Security Administrator Harold Stassen, midnight last June 30, had 10.5 billion dollars unexpended appropriated funds for foreign aid. It is not contemplated to use at a much greater rate than 5 billion dollars a year. So Mr. Stassen has a 2 years' supply for foreign aid. But he, and the White House, and the State Department, and all our allies, of course, point out it is absolutely necessary to appropriate another 5 to

5.3 billion dollars. Unless we guarantee 3 years more of foreign aid, cash on the barrel head, we are in danger of losing confidence of the world in our leadership.

Very Large Deficit

Fiscal year ended June 30 with a 9-billion-dollar deficit. Prospect for another deficit end of next fiscal year is seen if taxes are reduced, even excess profits tax, generally admitted as a "vicious" tax from economic viewpoint.

It is being learned, the hard way, by the new Administration, that the spending habits and techniques developed during 20 years of "borrow and spend, spend and borrow" are hard to modify, much less eradicate. And for the people, who also have acquired the spending and borrowing habits and techniques—it is hard for the people to learn that they, too, will have to do their share if government spending is to be reduced. And probably the learning, all way around, will have to be the hard way.

Announce Retirement Of Dr. F. D. Farrell



Dr. F. D. Farrell

Announcement is made of the retirement from the teaching staff of Kansas State College of Dr. F. D. Farrell, president of the college from 1925 to 1943. He will continue research work on rural institutions, a project he has carried since 1943.

Doctor Farrell came to KSC in 1918 as dean of agriculture and director of the Experiment Station. His tenure as president was longest of any of the 9 KSC presidents before him. A native of Utah, he received part of his early training on farms and ranches in Utah and Wyoming. In 1907 he was graduated from Utah State College, received an honorary doctor of agriculture degree from University of Nebraska in 1925. After 3 years with the USDA he became associate professor of irrigation and drainage at the University of Idaho.

His research on Kansas rural insti-

Build-a Pond

A farm pond can provide recreation, beauty, food, water for livestock, wildlife. For details on how to build pond and management, write us for a copy of:

"How to Build a Farm Pond," USDA Leaflet 259, price 5c.

"Techniques of Fishpond Management," USDA Misc. Pub. 528, price 10c.

"Farm Fishponds," USDA Bulletin 1983, price 10c.

Write to Farm Service Editor, Kansas Farmer, Topeka, Kansas.

Land Reclamation

The Kansas State College Extension Engineering Department, Manhattan, has several publications available on Land Reclamation which will help you on more efficient use of water:

Land Reclamation #1—Farm Level

Land Reclamation #2—Questions and Answers on Irrigation Wells & Pumping

Land Reclamation #3—Distribution & Application of Irrigation Water

Land Reclamation #4—Grassed Waterways & Terrace Outlets in Kansas

Land Reclamation #5—Terracing in Kansas

These are available to you free of charge by ordering thru Farm Service Editor, Kansas Farmer, Topeka, Kan.

tutions includes Kansas Farmer Master Farmer Awards program, livestock auctions, a country weekly, county agricultural center, rural churches and schools, rural electrification and Fort Hays branch experiment station. He has been teaching "Conservation of National Resources and Agricultural Industries," courses for seniors and graduate students.

Dr. James A. McCain, present KSC president, says "Dr. F. D. Farrell gained nation-wide recognition and stature as one of our great educational statesmen and a leader of the land-grant college movement. The entire state can take just pride in his many and varied accomplishments. It has been a source of great satisfaction to me personally to be associated with Dave Farrell on the staff of Kansas State College."

Charity Horse Show Aids Children

More than 200 blue-blooded show horses strutted and pranced in Topeka June 13 and 14. The show at the Free Fair Grounds was a benefit show for the Capper Foundation for Crippled Children, Topeka, so more children may learn to walk.

The Charity Horse Show, sponsored by the Topeka Roundup Club and 48 business firms, featured horses wearing the colors of nationally-known stables in 4 states and Canada. The Capper Foundation is a nonprofit organization which gives treatment to crippled children whose parents cannot afford to pay for complete care.

Get New Greenhouses

The Fort Hays Branch Experiment Station will have 3 new greenhouses for use in agricultural research work. Bids were opened July 14 on materials to build the new structures. Two greenhouses will be 25 by 50 feet and the third, 6 by 50 feet, connecting them.

STOP Weed and Grass Shorts on Your Electric Fence Line

GET BULL-TIGHT FENCING WITH ONE WIRE!



KILLS WEEDS ON CONTACT!

Model 45
115 Volt A. C.
Only... \$27.75

Famous HoL-DeM WEED CLIPPER Fence clipper weeds off on contact. Eliminates "nuisance shorts" on your fence line. Guaranteed to hold all stock year 'round on driest ground with one wire. Write for free folder. "Pasture Rotation". Gives prices.

5 YEAR GUARANTEE
Satisfaction or your money back. Six models to choose from, both Hi-Line and Battery operated. Ask one of our 10,000 dealers for a demonstration of the Famous Weed Clipper. Dealers Wanted.

Ask your local Dealer or write:
HOL-DEM ELECTRIC FENCER CO.
811 East Lincoln St., Wichita, Kansas
Phone: 2-5834

Bill Root's Quality Beef Animals Will Put Him Thru College

BILL ROOT, of Medicine Lodge, started even before he was old enough for 4-H Club work to get one beef animal for each year of his age. Until 2 or 3 years ago he kept right up with it. But now he is way ahead. At 18, he has 28 head and more are coming right along.

The big build-up, tho, is really to finance Bill's college work. Having grown up with cattle, he planned to attend Kansas State College and major in animal husbandry. At his father's suggestion, Bill is letting his cattle put him thru school.

For 8 years now, Bill has had a beef project of some kind entered in 4-H Club work and has had a fat steer entry every year but one. Bill started with a heifer calf in 1941 from the Foster farm, at Rexford. The following year, he bought a heifer from CK Ranch, Brookville. Today, all but 6 of his cattle are descendants of the original cows.

He started showing in 1942 when he was just 6 years old, entering his heifer in the open class in the county. He

showed his first steer, a 4-H project, in 1946 when he was 10 years old. He entered the Wichita stock show the first time when he was 12 and went to the state show in 1951.

He has held every office in Lone Eagle 4-H Club. He was county beef champion and general livestock champion 2 years, president and vice-president of the county 4-H Council one year each, and a member of the council 4 years, won junior leadership award 2 years, was project achievement boy in 1950 and won a trip to the 4-H Club conference at the American Royal.

His winnings in livestock showing have included county championship in showmanship, champion and reserve champion Hereford heifer at the county fair. His heifer stood next to the reserve champion in open class at Dodge City.

Looking to the future, Bill has a start that will not only finance his college work, but give him a nice start as a promising leader among Hereford breeders.

Here is 4-H in practical action!



BILL ROOT, shown with one of his prize-winning heifers, is using a beef cattle project to finance his learning more about the cattle business. Then he plans a future as a Kansas Hereford producer.

Cement Slabs for Silo Walls

New method of trench silo wall construction, in which pre-cast, tilt-up cement panels are used, will be demonstrated at a Dickinson county field day program Tuesday, July 21, according to Leo Wendling, Extension engineer at Kansas State College.

The Wayne Knopp farm, 8½ miles south and 1 mile east of Chapman, has been selected for the demonstration, Wilton Thomas, Dickinson county Extension agent, has announced. Thomas is in charge of local arrangements.

Mr. Knopp is going to replace the crumbling earth walls of his trench silo with cement slabs which will be poured on the concrete floor of the silo and tilted into position. It is planned to make 10- by 10-foot panels.

"This method of construction," Wendling says, "does not require much forming as the silo floor is used for the bottom. Only forming needed is around the edges."

New Feeding Boxes

Here are 2 new feeding boxes to simplify feeding problems. It's possible to keep in one place all minerals that animals need. Sterling Blusalt Mineral Feeding Boxes were planned by International Salt Company, Scranton, Pa. Specifications for building are given in drawings. For your free copy, write Farm Service Editor, *Kansas Farmer*, Topeka, Kan.



PIONEER in milk production, Margie is shown here emptying one of her new milking machines in her stainless-steel-lined milk room.

Dairy Cows Prove Their Worth In Big Wheat-Beef Country

WITH MOST MILK for the area being shipped in from distant points at quite a premium, Margie Gigot saw a golden opportunity. Selling her parents, Mr. and Mrs. Clarence Gigot, Garden City, on a dairy project took some doing, tho. With profitable wheat and beef cattle operations, the dairy business at first sounded like a misfit. But Margie was determined to put its value across.

Agreeing to do her share of the work, Margie started with a Brown Swiss heifer project. In return, she received a fourth of the milk check. That was 1947, Margie's 4th year in 4-H work.

Next year, her dairy project went to 4 animals and she was given half of the milk check. Then, she began getting her pick of half of the calf crop and her dairy project was paying off. In 1949, she had 6 dairy animals and her project has increased each year until she is now milking 16 head, 5 of them registered, and she owns a herd bull.

Under Margie's guidance, the dairy project has inspired a partially paved lot, several-stanchion barn with feed mixing room attached, a stainless-steel-

lined milk room with electric water heater, large milk cooler, a special hoist mounted on a rail for lifting filled cans to go into cooler. Two electric milkers were added from milk profits. Margie uses the latest in equipment cleaning methods and demonstrated them at the State Fair.

She is an active member of Wide Awake 4-H Club, having served in various offices, including the presidency. She was vice-president of the County 4-H council. At the State Fair she also has shown dairy animals and given a butter making demonstration. She is active in school, too, likes dramatics.

A year ago she won a Sears essay contest and was given a start in hogs with a Duroc gilt. Last year she won the Sears management award and received a Duroc boar. She even pioneered with sheep as a 4-H project in the county.

But with college coming up, Margie is looking ahead, with an ambition to become a medical doctor. Three of her great-uncles are in the profession and it has always held an interest for her. She plans to try a year of junior college, then attend medical school at Kansas University.

Her 8-year-old brother, Terry, is to take over milk production when Margie leaves.

Postpone Dedication

Due to labor problems, the October dedication of the American Hereford Association new headquarters building at Kansas City has been postponed. President Dwight Eisenhower had accepted an invitation to take part in the activities, to be held during American Royal week.

New Type Barns

Quonset-type barns for livestock offer many new advantages. Great Lakes Steel Corp., Detroit, Mich., has 2 new booklets out (28-page, diagrams, pictures, color) to help you—"Stall Dairy Barns" and "Loose-Housing Barns." For your copy, write Farm Service Editor, *Kansas Farmer*, Topeka, Kan. No charge.

WILL IT MAKE SEED CROP?



DISCUSSING POSSIBILITY of a brome grass seed crop are Warren Teel, left, Anderson county Extension agent, and Lloyd Jefferson. Mr. Jefferson is expanding his brome from 25 to 80 acres because of heavy pasturage he has been getting.

Beef CATTLE

NOW OFFERING SERVICEABLE AGE BULLS
 Heavy boned, well grown for farmers, ranchers purebred breeders of Polled Herefords.
PLAIN VIEW FARMS
OSCAR RIFFEL & SONS, Enterprise, Kansas

Registered Hereford Bulls
 Springing and two's. Herd bulls Mathews Tone bred, J. S. S. Perfect Domino (Polled). High quality, low prices. Also offering 8 yearling bred heifers.

Wernemann Bros., Sharon, Kansas

Sunflower Farms ANGUS

Herd Sires:
 Ever Prince Revolution 2nd Homeplace Eileenmere 304th.
 Ever Prince of Sunflower.

Cattle of both sexes for sale at all times. We have bred and sold some of the top winners in the selling cattle at the larger shows and they throughout the country. When in need of good breeding stock pay us a visit.

Sunflower Farms, Everest, Kansas
 Jim, Keith and Bob Swartz, Owners

FREE CATTLE BOOK

BERDEEN-ANGUS
 50 pages of profitable suggestions and interesting pictures on selecting, breeding, fitting and showing Angus... absolutely free to you. Ask for "Cattle Raising at its Best." Put your name and address on a card and send now to

AMERICAN ANGUS ASSOCIATION

CHICAGO 9, ILLINOIS

Dual-Purpose CATTLE

Registered Polled Milking Shorthorn Bull Calf
 10 months old, red, Retnuh breeding.
BERT J. BOND, Plains, Kansas

Edward R. Drehle
Milking Shorthorn Dispersal
Monday, July 27, 1953
 1:30 P. M.
 Held at farm (under cover) 6½ west of Great Bend, Kansas

8 Cows—10 Heifers—3 Bulls
 Thirteen cows that have qualified for RM—their outstanding breed and open heifers—good Prospects—4-H Prospects—Bulls of Top breeding. The herd has to be dispersed and for this reason are these good cattle offered at this sale.

For catalog write:
O. Heidebrecht, Sale Mgr.
 Inman, Kansas

BLUE MEADOWS—Fredonia and J. E. HUGENOT—Moline
Milking Shorthorn Sale
Wednesday, July 22, 1953
 1 P. M.

Held at Blue Meadows Farm, 3 north on 15th St., and 1½ east of Fredonia, Kansas


2 Cows—13 Heifers—10 Bulls
 Draft Sale—Not a Culling Sale—Top breeding—Quality Cattle—Cattle That Should List—4-H Prospects.
ATTEND THIS OPPORTUNITY SALE
 For catalog write
O. HEIDEBRECHT, Sales Manager,
 Inman, Kansas

HOGS
REGISTERED SPOTTED POLAND CHINA
 Gilts to farrow in September. Also a couple serviceable boars and spring pigs. Double line, top quality and breeding.
Earl J. Fieser, Norwich, Kansas.

Registered Spotted Poland China
 SALE. Bred gilts to farrow August and of September. Spring boar and gilts double line. **Howard Whitfield, Arlington, Kansas**

Kansas State Yorkshire
Red Sow and Gilt Sale
Tuesday, August 4, 1953
 (NIGHT SALE) 7:30 P. M.
 Central Kansas Free Fair Grounds,
 Eisenhower Park
Abilene, Kansas

Barrow shows all over the United States this year. Yorkshires have proven to be the best in the year consistently taking top honors in on-the-hoof classes and in the show classes. In this offering will be 40 bred sows and gilts from some of the best Yorkshire herds in Kansas.
 For information and sale catalog write **GEORGE HAMILTON, YORKSHIRE BREEDERS ASSOCIATION, INC., Abilene, Kansas**



In the Field
MIKE WILSON
TOPEKA, KANSAS
 Livestock Editor

Jersey Meeting and Membership Hit Record

The 50th anniversary of the establishment of official testing in the Jersey breed was observed at the 85th annual meeting of The American Jersey Cattle Club held at Chattanooga, Tenn., May 31 thru June 4.

The meeting was one of the largest in the breed's history, with 35 states and Canada represented.

In his report to the membership, Floyd Johnston, executive secretary, reported that Jersey registrations during the 1952-53 fiscal year totaled 85,606, a new all-time high which exceeds by more than 5 per cent the previous high in 1947-48.

Herman F. Heep, Austin, Tex., was conferred the Master Breeder award for 1953 at the meeting. This award is given annually to the member of The American Jersey Cattle Club judged as having made the most noteworthy contribution to the advancement of the Jersey breed in the United States.

The President's Rotating Cup, an award made to the Jersey cow producing the greatest amount of butterfat on Register of Merit test in a year according to length of record, was won by Orrland Signal Vol. Sable. This cow, in the Victory Jersey Farm herd owned by J. Chester Elliff, Tulia, Tex., produced 16,130 pounds milk containing 1,052 pounds butterfat in 305 days at the age of 7 years and 9 months.

A 13-year-old California Jersey, Silken Gem of F., owned by the estate of J. W. Coppini, was bestowed the title of Living Lifetime Butterfat Champion of the breed on her production of 134,248 pounds milk containing 8,294 pounds butterfat.

Four Jersey sales held at the time of 85th annual meeting were attended by many. Two were held in Ohio prior to the National event. The Slagle sale at Delaware, O., averaged \$361 on 37 animals. The Folk Classic sale at Springfield, O., averaged \$1,339 on 55 head. Top of this auction was \$8,600. This cow was Commando Marlu Zinnia, consigned by Marlu Farms, Linfort, N. J., and purchased by the School of the Ozarks, Point Lookout. Happy Valley Farms, Rossville, Ga., averaged \$605 on 54 lots selling. Southeast Regional sale held at Rossville, Ga., averaged \$558 on June 4. The American Jersey Cattle Club, Columbus, O., released this information as of June 9.

A special award, the Gold Medal certificate, for a production of 4,000 pounds butterfat, has been granted by the American Milking Shorthorn Society to Retnuh Stylish Maid 42nd, bred and owned by JOE HUNTER, Retnuh Farm, Geneseo. Her record of 4,051.10 pounds was made in 9 lactations.

Word comes to this office from GEO. WM. BURKHOLDER of Abilene, secretary of the Kansas Yorkshire Breeders Association, that they have recently held a meeting of the breeders in that territory and have decided to hold a public auction sale of registered Yorkshires, at Abilene in August. The offering will consist of animals consigned from many of the leading breeders of Yorkshire hogs in Kansas. Anyone desiring detailed information of this event should contact Mr. Burkholder directly.

A 4-H AND FFA BARROW SHOW will be held again at an annual picnic at Narka, August 10, 11 and 12. The barrow show will be held at 1:30 P. M., August 10. A sale will be held the night of August 12, selling a dressed barrow wrapped in packages. This show is open to Republic and Washington counties in Kansas and to Jefferson and Thayer counties in Nebraska. This affair creates quite an interest among 4-H and FFA members.

GEORGE HAMILTON, prominent civic leader and former Hereford breeder, leaves 3 positions vacant as he leaves Horton to accept a position with the weights and measures department of the State Board of Agriculture. Mr. Hamilton has been the president of the executive committee of the Tri-County Fair Association. He has been a very active worker in many civic affairs. For 32 years Mr. Hamilton was an outstanding Hereford breeder; he also judged a number of the spring and fall shows prior to consignment sales. Northeast Kansas will miss Mr. Hamilton, but we all wish him much success.

With 516 pounds of butterfat and 13,535 pounds of milk testing 3.8 per cent to her credit, Smoky Valley Carnation Birdie, a registered Holstein-Friesian cow owned by W. G. BIRCHER & SONS, Ellsworth, has completed a 310-day production test in official Herd Improvement Registry, with the Holstein-Friesian Association of America.

She was milked 2 times daily, and was 3 years 4 months of age when she began her testing period. Her record averages about 20 quarts of milk daily for the period covered by her test.

ANNUAL BOURBON COUNTY BEEF TOUR is scheduled for July 23, according to Kenneth D. Carson, county agent. The tour will begin at 8:30 in the morning at farm of D. A. Perry, 5 miles north of Redfield and 3 miles west of Devon. Ray Hoss, Wendell A. Moyer and Dell E. Gates, specialist from Kansas State College, will be included in the day's program. Lunch will be served at noon by the Bourbon county 4-H council, with food being furnished by the Bourbon County Beef Association. This annual event is sponsored by the Bourbon County Beef Association and the Extension service.

ANNUAL SOUTHEAST KANSAS ANGUS ASSOCIATION FIELD DAY will be held this year at Dalebanks Angus Farm northwest of Eureka, July 26. Cattle for a judging school will be furnished by Francis Perrier, owner of Dalebanks Farm, and W. A. Soderberg, owner of Falling River Angus Farm, Eureka. The program will start at 10:00 A. M., with a type demonstration by Prof. F. W. Bell, of the animal husbandry department of Kansas State College. A judging school for 4-H and FFA members will follow. Professor Bell will place the cattle during the judging contest and will give reasons after the contest for his placings. A noon luncheon will be followed by special entertainment by a local group. Jess Cooper and Dr. Rufus Cox will be on the afternoon program.

THE MARION COUNTY MILKING SHORTHORN TOUR was held June 10. In spite of heat and the busy season, breeders and guests from 5 counties came to see the cattle. Herds from the following breeders were visited: W. A. Hegle & Son, Lost Springs; Albert B. Frantz, Tampa; Edwin R. Funk, Hillsboro; John B. Jost, Hillsboro and V. R. Funk, Lehigh. Joe Hunter, prominent breeder of Milking Shorthorns, Geneseo, was asked to classify the Albert B. Frantz herd. The crowd on tour showed a lot of interest in his reasons for placing the cattle in different classes according to type. Four animals were on exhibit that have won first prize at the Kansas State Fair or the American Royal Dairy Cattle Show in Kansas City. Marion county breeders invite anyone interested in good Milking Shorthorns to visit them again soon.

Public Sales of Livestock

- Aberdeen-Angus Cattle**
 July 20—Simon Angus Farm, Madison, Kan.
 September 21—WRS Angus Ranch, Hutchinson.
 September 24—National Aberdeen-Angus Sale, Hutchinson.
- Hereford Cattle**
 October 7—Kansas Aberdeen-Angus Association Feeder Calf Sale, Salina.
 September 5—Jay L. Carswell & Sons Dissolution Sale, Alton, Kan.
 September 7—Lee M. Smith, Claremore, Okla. Complete Hereford dispersal.
 September 8—Circle K Ranch and F. L. Robinson, Beatrice, Nebr.
 September 8—Albert Morgan, Alta Vista, Kan.
 September 26—Frank J. George & Sons, Lebo, Kan.
 September 28—4E Ranch, Topeka, Kan.
 October 1—Broken Wincoop Ranch, Marion, Kan.
 October 5—Beeks & Cleland, Baldwin, Kan.
 October 7—Brown Bros. & Streeter Funk, Fall River, Kan.
 October 10—BK Ranch, Burr Oak.
 October 13—NCK Hereford Association, Belleville, Kan.
 October 16—Delford Ranch, El Dorado.
 October 17—CK Ranch, Brookville.
 October 24—Haven Hereford Association, Haven, Kan.
 October 29—Kansas Flint Hills Association, Cottonwood Falls, Kan.
 November 2—Sumner County Hereford Breeders, Wellington.
 November 4—Lincoln County Hereford Association, Sylvan Grove, Kan.
 November 6—Cowley County Hereford Breeders' Association, Arkansas City, Kan.
 November 9-10—Sunflower Futurity, Hutchinson.
 November 11—W. H. Tonn & Son, Haven, Kan.
 November 18—Belysacres Ranch, Paxico.
 November 23—Solomon Valley Hereford Association Sale, Osborne, Kan.
 December 4—South Central Hereford Association, Newton, Kan.

- Polled Hereford Cattle**
 September 4—Mar-Don Farm Reg. Polled Hereford Complete Dispersion Sale, Don S. Myer, Columbia, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
 September 14—Vic Roth, Hays, Kan.
 September 17—Joint herd sale at Fairbury, Nebraska. Ed Valek & Son, Donald R. Goodger, and E. G. Nesmith & Son.
 September 28—4E Ranch, Topeka, Kan.
 October 3—Midwest Polled Hereford Association, Deshler, Nebr.
 October 12—Ferry Hedrick & Sons Registered Polled Hereford Production Sale, Anutt, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
 October 31—Leo Ebel & Son, Wamego, Kan., and W. R. Zimmerman & Son, Alta Vista, Kan. Sale at Alma, Kan.
 November 2—Frank Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma.
 November 7—O'Bryan Ranch, Registered Calf Sale, Hiattville.
 November 17—O'Bryan Ranch Polled Herefords, Hiattville.
 November 20—Central Kansas Polled Hereford Association, Herington, Kan. O. J. Shields, Sales Manager, Lost Springs, Kan.
 November 21—Jesse Riffel & Sons, Enterprise.

- Holstein Cattle**
 September 28—Nebraska Holstein Breeders Association, Seward, Nebr. T. Hobart McVey, Sales Manager, Nickerson, Kan.
 October 21—Kansas Holstein Breeders Association, Herington, Kan. Roy Chamberlain, Chairman sales committee, Opeka, Kan.
 November 4—Central Kansas Holstein Breeders, Hutchinson, Kan. T. Hobart McVey, Sales Manager, Nickerson, Kan.
- Red Poll Cattle**
 November 11 & 12—Annual meeting and National Sale, Topeka, Kan. F. A. Sloan, Secretary, 3275 Holdrege St., Lincoln, Nebr.
- Shorthorn Cattle**
 September 26—Tomson Brothers, Registered and Commercial Sale, Wakarusa, Kan.
 October 9—Mid-Kansas Show and Sale, Salina, Kan.
 October 14—Feeder Calf Sale, Salina.
 October 19—Shorthorn and Polled Shorthorn Sale, Cambridge, Nebr. Thos. Andrews, Sale Manager, Cambridge, Nebr.
 October 22—J. C. Banbury, Plevna, Kan.
 November 13—Kansas Polled Shorthorn Sale, Hutchinson.
 November 14—Kansas Shorthorn Sale, Hutchinson.

- Milking Shorthorn Cattle**
 July 22—Blue Meadows & J. E. Hugenot Milking Shorthorn Sale, Fredonia, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
 July 27—Edward R. Drehle Dispersal, Great Bend, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
- Southdown Sheep**
 July 24—Missouri Southdown Breeders Association, Hamilton, Mo. Carl O. Roda, Secretary, Trenton, Mo.
- Sheep**
 August 7—Nebraska Registered Sheep Breeders, Lincoln, Nebr. M. A. Alexander, Secretary, Lincoln, Nebr.
- Corriedale Sheep**
 July 27-28—All-American Corriedale Breeders Show and Sale, Columbia, Mo. Rollo E. Singleton, Secretary-Manager, 108 Parkhill Ave., Columbia, Mo.
- Hampshire Sheep**
 August 8—Northwest Missouri Breeders Association, South St. Joseph, Mo. F. B. Houghton, secretary, Maryville, Mo.
- Poland China Hogs**
 September 8—Albert Morgan, Alta Vista, Kan.
 September 24—Glenn F. Wiswell & Son, Springhill, Kan.
- Yorkshire Hogs**
 August 4—Kansas State Yorkshire Breeders Association, Abilene, Kan. (night sale)

Dairy CATTLE

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

REGISTERED HOLSTEINS HIGHER VIEW DAIRY FARM

125 head Clyde Hills & Crescent Beauty Admirals; serviceable-age bulls for sale or lease; you can raise and use a baby bull and receive ½ interest in him; an occasional 4-H and FFA heifer for sale; sometimes have good young cows for sale; have cows up to 600 lbs. fat, ½ time milking; visit our Rite-Way Milking Parlor.
J. D. & E. E. FELLERS, Hays, Kansas
 4 miles north of Hays, Highway 183

SHEEP

HAMPSHIRE SHEEP, DUROC HOGS, AND MILKING SHORTHORNS
 Purebred stock. Both sexes. All ages.
WILLARD WALDO, De Witt, Nebraska

NEBRASKA SHEEP BREEDERS 17TH ANNUAL
RAM & EWE SALE
Friday, Aug. 7, 1953
 State Fair Grounds
Lincoln, Nebraska
 9:00 A. M. Judging Registered Sheep and Program. 1:00 P. M. Auction Begins
 90 REG. YR. RAMS & 80 REG. YR. EWES Registered rams and ewes have Hampshire, Shropshire, Cheviot, Southdown, Corriedale and Oxford.
 For information write, **M. A. ALEXANDER,** Secretary Nebraska Sheep Breeders' College of Agriculture, Lincoln, Nebr.
Charles Corkle, Auctioneer

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



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

Livestock Advertising Rates
 Effective February 1, 1951
 ¼ Column inch (5 lines) . . . \$3.50 per issue
 1 Column inch \$9.80 per issue
 The ad costing \$3.50 is the smallest accepted. The smallest public sale ad accepted is 1 column by 2 inches, costing \$19.80.
 Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Tuesday, eleven days before.
MIKE WILSON, Livestock Editor
 8th & Jackson
 Kansas Farmer - - - Topeka, Kansas

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

August 1
Will Be Our Next Issue
 Ads for the Classified and Livestock Section must be mailed not later than Tuesday, July 21, so they will be in our hands by
Wednesday, July 22
 If your ad is late, send it in Special Delivery to 8th & Jackson Street
Kansas Farmer, Topeka, Kan.

Now's the time to
HIT PAY DIRT!



Stake your claim early
in Standard's famous Farm Deal!



● Shop early! Place your advance order for Standard Motor Oils *now* and you'll get a load of savings on supplies you'll be using all next year. *You pay nothing down . . . only when you take delivery. The more you order the more you save . . .*



Prospectin' for Savings? Here's your payoff!



Save now more than ever before on PERMALUBE. New Permalube is a great new fightin' oil . . . fights acid, fights wear, fights sludge . . . adds hours of more efficient life to your power machinery. This year you save more than ever. You start saving with an order of 30 gallons or more of new PERMALUBE Motor Oil.

There's gold
in them
there hills

You get good discounts that apply to your entire order for motor oils, greases, sprays, insecticides, household waxes and other needs for farm and home. Real savings! Include a year's supply in your order. Get your order ready now! Shop early and save!



Call your Standard Oil Man today

National Farm Safety Week—July 19-25. Be careful—the Life You Save May be Your Own