

# Kansas Farmer



**BUILDING NEW** corral fences, new feed bunk and pole-type loafing shed brought third place to Albert Blaufuss in farmstead improvement contest, Lyon county.

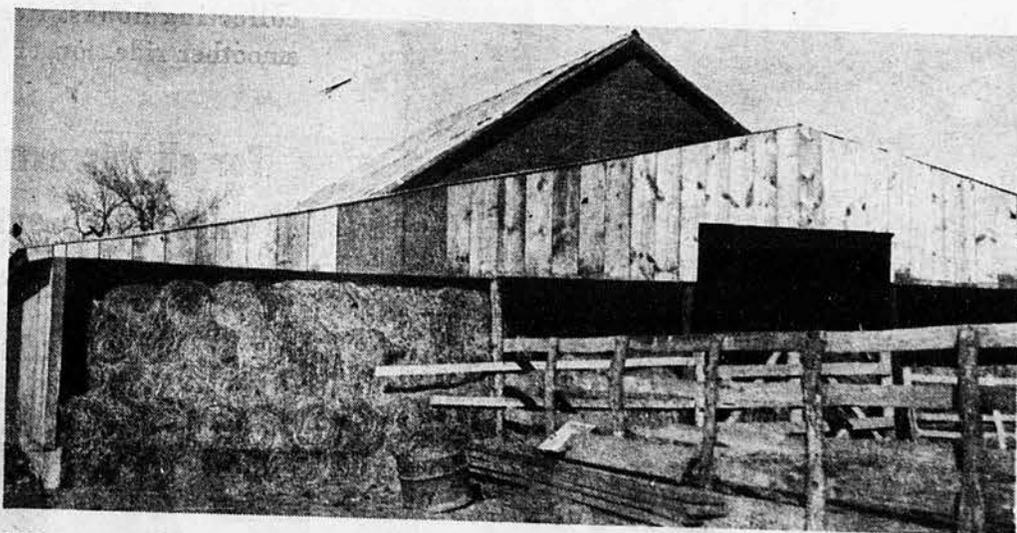
## How Does Your Farm Look?

Twenty young farmers asked themselves that question, then got busy. This story gives a glimpse of how they have improved their farmsteads

**T**O STIMULATE general farmstead improvement among his 26 G. I. "On-the-Farm Training" students, Douglas George, Lyon county instructor for Veterans Administration, last summer got several Emporia merchants to co-operate in a farmstead-improvement contest

for his students. They offered merchandise prizes to the 3 top winners.

"We didn't want the boys to see how much money they could spend," says Mr. George. "But we did feel much improvement could be made if all of the students just cleaned up" [Continued on Page 38]



**THIS HAY STORAGE** extension to old barn was another improvement on Fehr farm, along with new corral fence.

**LEWIS MARCOTTE**, right, tells Douglas George, veterans instructor, how he hauled away 6 hayrack loads of junk and put all machinery out of sight to help him win first place in farmstead improvement contest.



**ATTRACTIVE GATES** built and installed helped Vernal Fehr win second place in farmstead improvement contest.

- **Life in Early Kansas** ..... Page 5
- **Order a Good Rain** ..... Page 8
- **Will Mosaic Hit Wheat?** ..... Page 12

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Before you invest in a tractor tire, check to see

# Does it have All Three?

America's First-Choice Farm Tire is SUPER-SURE-GRIP—

the only tire that gives you all three extra traction features



## 1 WEDGE-GRIP ACTION

Note how Goodyear SUPER-SURE-GRIP lugs are set closer together at the shoulder than at the center—don't flare out as in most tires. *Result:* soil is wedged between SUPER-SURE-GRIP lugs, giving a stronger, firmer grip.

## 2 STRAIGHT-BAR LUGS

Because Goodyear's husky lugs are set straight as a ruler, they give more gripping surface than lugs that toe in. *Result:* SUPER-SURE-GRIPS give full-lug pull for their full length and depth—"the greatest pull on earth!"

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Only Goodyear gives you this O-P-E-N C-E-N-T-E-R design with even-balanced, equal-size, wedge-grip lugs — with no mud-collecting hooks. *Result:* more even pull, smoother ride, longer wear!

For all this extra traction, extra value, at no extra cost, get the SUPER-SURE-GRIP—the tire that pulls where others won't!

# GOODYEAR

## Super-Sure-Grip Tractor Tires

We think you'll like "THE GREATEST STORY EVER TOLD"—Every Sunday—ABC Network

Super-Sure-Grip—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

### Kansas Bull Wins

Everbest Prince SSS, owned by the Simon Angus farms, of Madison, was named reserve-champion Aberdeen-Angus bull of the Southwestern Exposition and Fat Stock Show, at Fort Worth, Tex., February 1.

### Silage-Hay Feed

Dairy cows fed grass silage produce more milk if hay is fed in combination, says E. E. Bartley, Kansas State College dairy husbandryman, quoting results of experiments. The combination feeding results in cows eating more roughage (on the dry basis) when fed both silage and hay.

### New Extension Architect

Raymond Everson, native of Jewell county, has been appointed Extension architect at Kansas State College. Since his graduation there last year he has been employed by an architect's firm in Garden City. Mr. Everson fills the vacancy in the Extension engineering department left by Murlin Hudgell, extension architect, who resigned last year.

### Enough Sweet Clover

Seed supply for sweet clover appears adequate this year, says E. L. Mader, Kansas State College agronomist. Good-quality seed with high germination of an adapted variety should be purchased early. Sweet clover, one of the best soil-improving crops, adds nitrogen to the soil when seed is properly inoculated. It may be used in rotations preceding sorghums or corn, both of which use considerable nitrogen.

### Blind Veteran Is Best "Ag" Student

John Slaven, blind student from Kansas State College from Arkansas City, has been named top college student. He has been awarded the Jordan Agricultural Scholarship award of \$300 for the highest grade average of a senior in agriculture. Mr. Slaven will graduate in June, then begin work on a master's degree. His future plans are to teach in a university or "to buy a farm, if farm prices come down."

### Kansas Movie Wins National Honor

"The Good Egg," a Kansas-produced agricultural movie, has won a national prize. At a recent meeting of the American Association of Agricultural College Editors at College Station, Tex., the film won first in national competition. It was produced by the Kansas Poultry Industry Council, Kansas State Board of Agriculture, and Kansas State College poultry department. Six copies are available from the college for shows. The film was a popular attraction at the recent Kansas Poultry Exposition at Emporia.

### Senator Capper on Radio

Every Sunday afternoon at 12:30 clock Senator Arthur Capper discusses national questions over WIBW radio station.

## KANSAS FARMER

Continuing Mail & Breeze

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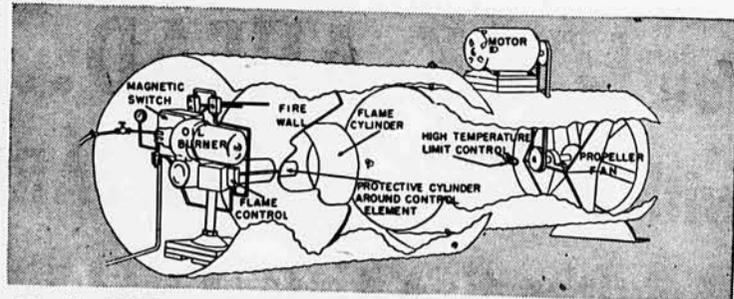
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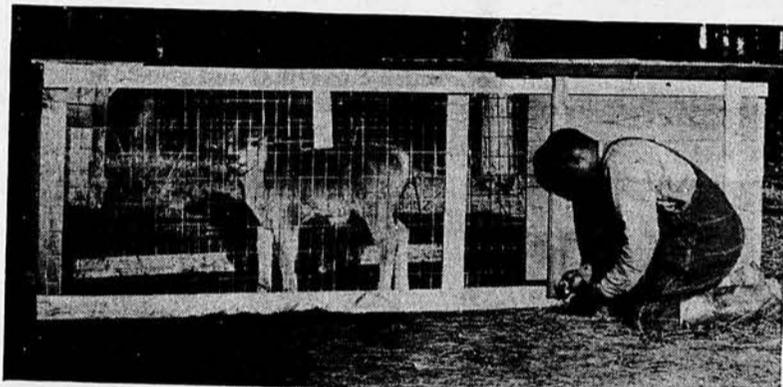
# Farm Service Bulletin



**1 A GRAIN AND SEED DRIER** developed by USDA has an outer shell of culvert pipe. Oil burner, fan, motor and controls of the right type are necessary. For details write Plant Industry Station, Beltsville, Md.



**2 MORE WHITE MEAT** is one aim of USDA poultry specialists. So far, by crossing Dark Cornish with New Hampshires the breast angle has been widened 3.6 degrees. See photo (right) showing frozen cross-section and breast of second-cross progeny.



**3 CALF LOSSES** from coccidiosis and other diseases have been cut as much as 65% with a small portable pen developed by USDA. Pen is moved to clean ground weekly. For plans write Regional Animal Disease Laboratory, Auburn, Alabama.

**4 NOW!...THE TIME TO SERVICE EQUIPMENT**

**ABOVE:** This year's advance check-up of farm equipment is extra vital, points out USDA—to be ready for any conditions likely in the Spring.

**CENTER:** Cities Service Koolmotor Oil, made from the "heart-cut" (choicest portions of the finest selected crudes) gives maximum protection to engines requiring a premium type oil. Helps them run cleaner, smoother, steadier. Buy from your Cities Service Farm Representative.

**RIGHT:** Out with gritty old grease!...In with safe, smooth, lasting Cities Service Trojan greases. Correct types available for any car—truck—or piece of farm equipment. Call your Cities Service Farm Representative. He's always ready to help you with any lubrication problem.

## CITIES



## SERVICE

### QUALITY PETROLEUM PRODUCTS

Accessories for the farm

# You LOOK AHEAD... with a McCormick® FARMALL® at cultivating time

You *look ahead*—that's why it's so *easy* to cultivate clean, fast and *right*. You watch your work *and* see where you're going.

McCormick cultivators for Farmall tractors are built so you can *creep* along at two to three miles an hour, close to tender young plants, killing weeds just coming up. Or, you can zip along at five miles an hour on later cultivations. All season long, year after year, you'll like the clear forward view in every row crop.

Handy Farmall Touch-Control and hydraulic Lift-All levers are within easy reach, where you can lift, lower and adjust the cultivator gangs at any speed without slowing down and without taking your eyes off the row. International Harvester Company, Chicago 1, Illinois.

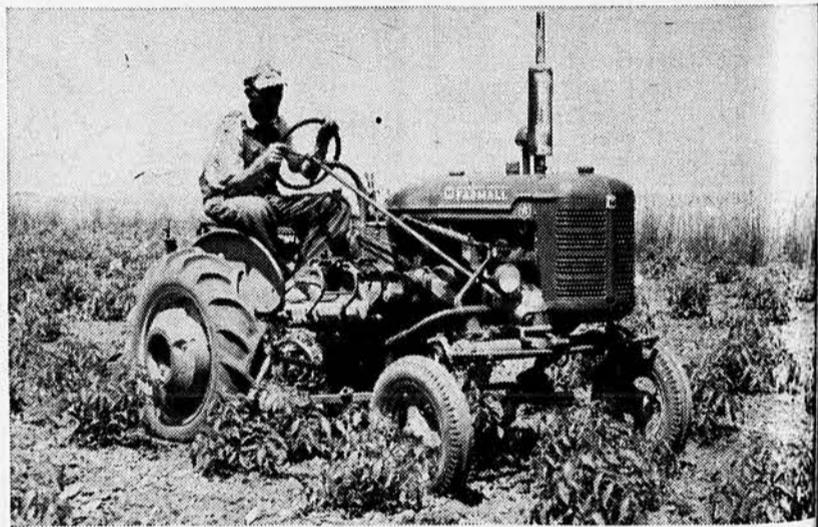


Look ahead to bigger yields as you fertilize your crops while cultivating, with the McCormick Farmall C and two-row cultivator, equipped with fertilizer unit.

Farmall Touch-Control stops and starts the large-capacity hoppers as you raise and lower the cultivator. Hopper adjustments regulate feeding rate exactly.



Look ahead... get a clear, close-up, forward view of your work, like this, from the tractor seat. Kill weeds, conserve moisture, give plants thorough cultivation. With McCormick cultivators you have a wide choice of ground equipment to fit all crops and soil conditions... to give you *more production* at cultivating time.



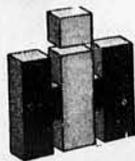
Look ahead to the ample clearance you get in all row crops, with a McCormick cultivator. With the "Culti-Vision" Farmall Super A, you have 21 1/8 inch crop clearance, 27 1/2 inches with the Super AV. Other models: Cub, 19 3/8 inches; C, 22 1/2 inches; H, 24 3/8 inches; HV, 30 1/4 inches; M, 25 1/2 inches; MV, 29 7/8 inches.



Look ahead to time-saving mounting, detaching. This new cultivator for Farmalls H, M and MD gives you three-way speed: speed in mounting to get you into the field faster; speed in the field; speed in detaching, for doing other tractor jobs between cultivations. Make *every hour count*, on *every job*.



Look ahead to clean, high-speed work with your choice of McCormick one, two or four-row cultivators for your Farmall Cub tractor. One-row cultivator (about 36 to 56-inch rows). Two-row beet and bean cultivator is for crops planted in 12 to 28-inch rows. Four-row vegetable cultivator handles narrow rows.



See your IH dealer now about the right McCormick cultivator to fit your Farmall.

## INTERNATIONAL HARVESTER

International Harvester Builds McCormick Farm Equipment and Farmall Tractors... Motor Trucks... Crawler Tractors and Power Units... Refrigerators and Freezers

# This Was Life In Early Kansas

By LELA BARNES



Kansas was opened for settlement in May, 1855, under the Kansas-Nebraska bill which provided that people of the territory should decide whether it should be free or slave.

Under these conditions the Charles H. Lovejoys, of New England, emigrated to Kansas. Julia Lovejoy sent detailed accounts of conditions in the Territory and of their experiences to eastern papers. These were preserved by her family and are now in the collections of the Kansas Historical Society.

From these letters Mrs. Barnes has prepared a series of articles, the first of which follows.

**I**N EARLY March of 1855, a party of 70 emigrants from various Eastern points set out for Kansas under leadership of Isaac T. Goodnow. Among them were the Reverend Charles H. Lovejoy and his wife, Julia Louisa Lovejoy.

Reverend Lovejoy was a Methodist minister of Croydon, N. H., who had served as a circuit preacher 21 years and was a resolute foe of slavery. Julia Lovejoy was remarkable not alone for her courage and ideals, but also for her talent as a writer.

The Lovejoys were parents of 3 children who accompanied them to Kansas: Charles J., 17; Juliette, 15; and Edith, 6.

Julia's first report on the journey to Kansas was a letter written on board the Missouri river steamboat, the *Kate Swinney*, and addressed to the editor of a Concord, N. H., newspaper. "I will make use of your paper," she wrote, "to give our dear New England friends who have said beseechingly, 'write to me,' some idea of our journey to the far-famed Kansas."

Julia reported the family's journey by "the cars" as far as Alton, Ill., and by boat from that point to St. Louis where they obtained river passage for Kansas City. There were slave holders on board, but "no conflicting sentiments were advanced to cause collision." The journey was pleasant aside from a delay of several hours on a sand bar when the vessel suddenly refused to move an inch. But the wheel turned in time and the boat reached Kansas City with its load of emigrants, officers, soldiers, horses and gear.

### Made Her Angry

Julia's impressions of Missouri were far from favorable. The sight of a man slave unloading a manure cart under the watchful eye of an overseer led her with anger; and she found Kansas City a place of "indescribably pulsive and undesirable character." "Indeed," she wrote, "we know of but few places we would not select for a permanent residence in preference to Kansas City."

But Julia was obliged to remain there several weeks while her husband and several others went into Kansas Territory on an exploring tour to select a place for the company to settle. She stayed during this time at the American Hotel, headquarters for emigrants and for Kansas. Of her stay there she reported: "I have seen more suffering since I came to this place than I have ever seen life long before. . . . An affection of the lungs called here pneumonia and winter fever has prevailed amongst emigrants to an alarming extent and swept many to the tomb. . . . I have met almost every day with some poor emigrant in trouble. Some are sick and heartened, some have spent all their money, others are homesick and still others have buried children or friends. I have found a daily work for me to console the emigrant and sympathize with the afflicted." The advance party chose a site at the

### Farm Sanitation

A guide to up-to-date methods for sanitary disposal of sewage and other household and farm wastes, published by USDA. It is entitled, "Sewage and Garbage Disposal on the Farm." There is much information of value to you if you plan to install such a system. A copy of the bulletin, No. 1950, will be sent upon request to Bulletin Service, Kansas Farmer, Topeka. Please include 3c for mailing charges.

A city organization—a consolidation with 2 earlier settlements—had been effected by members of the company and the new town was named Boston. The Lovejoys' first home was a floorless log cabin in the center of the community. Julia wrote: "Our cabin is in a garden of flowers of varied form and hue. In the cool of the day we love to sit at the door and inhale the sweet perfume of the flowers. . . . A fairer, more genial climate, we think, cannot be found on earth though early in the spring, we are told, high winds and clouds of dust were a great annoyance. . . . The grass in some places is nearly knee-high—thousands of acres that I wish might be covered with grazing flocks and herds. Were it not for the vacuum made by death's ruthless hand,

cher, was then on her way up the Kansas river. She arrived at the mouth of the Blue the 29th of May. A short distance in the rear followed the *Hartford*, a splendid boat owned by a company of wealthy capitalists from Cincinnati, Ohio, who had sent their agent on ahead of them.

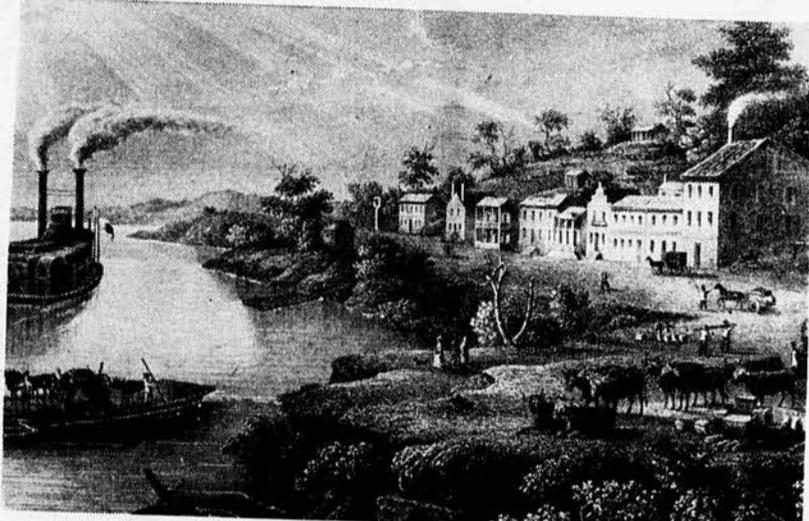
"He selected a location for a town about 2 miles from Fort Riley, had it surveyed and regularly laid into lots and named it Manhattan. This boat was bringing out the settlers with their families, heavily freighted with ready-made houses, all prepared for immediate erection.

### Charmed With the Spot

"When they came in sight of our beautiful locality, almost encircled as it is by these two rivers, they were charmed with the spot and concluding, wisely, too, that the mouth of the Blue must be eventually at the head of navigation, they made proposals to our Boston Association on certain stipulated conditions to abandon the project of founding a city, as first intended, and expend their capital here.

"This offer was cordially accepted and in return our Association made them a present of one-half our city site, or one side of 'Main Street,' that runs thru the center, and the privilege of changing the name from Boston, first given to it, to Manhattan.

"Things now look quite city-like and the sound of the hammer is heard on every hand. Nine of their houses are already erected, 25 or more habitations



Kansas City, Missouri, 1854. From a rare engraving. Photo courtesy of the Kansas State Historical Society.

junction of the Big Blue and the Kansas rivers for their settlement, and in due time those who had waited in Kansas City were en route by ox team to that point. But sorrow rode with Julia and her family. The day before they arrived in Lawrence, the younger daughter, Edith, died of measles and exposure. Julia wrote: "Our little circle has been broken, the lamb of the flock taken, and our sweet Edith laid low in death. . . . We laid her precious dust away on a beautiful prairie near Lawrence, Kansas Territory." (Her grave is said to have been the 3d made by pioneers on Mt. Oread.)

Charles had traveled from the settlement to Lawrence to meet Julia and the children, and now the bereaved family went on to their new home, arriving early in May. "Notwithstanding our desolate hearts," Julia wrote, on their arrival, "we must pronounce this the most charming country our eyes ever beheld. . . . It seems to us impossible that any spot on earth, uncultivated by art, can be more inviting in appearance than this country."

we should feel happier than in any other spot we ever found on earth, though we greatly desire our dear friends in New England to come and live in this inviting land."

Provisions, brought mostly from Kansas City by team, were scarce and high, but the country afforded game and fish. This fortunate circumstance was duly reported by Julia for Eastern readers. "Game is very plenty about the Blue. Wild geese, turkeys, ducks, prairie hens and deer; but they don't always stop long enough for a ball to hit them. The rivers are full of fish of the finest flavor I ever tasted, similar to the Eastern trout, but a richer treat for the table. They are called cat fish and some of them weigh over 50 pounds. . . . A man just above us, on the Blue river, one night last week with a 'seine' caught 1,500 pounds and carried them the next day to Fort Riley to market."

In midsummer Julia wrote as follows to the Concord editor: "Since the date of our last letter, a great and important change has occurred in business matters here—a steamboat, the *Finan-*

### For the Gardener

The KSC bulletin, "Landscape Calendar," has almost a page of suggestions as to what the gardener should do in March. For instance, planting trees, shrubs, hedges; pruning; fertilizing bluegrass lawns; sowing sweet peas; information on rock gardens, roses, pansy plants and insect control. There is a page in this calendar for each month of the year—suggesting what to do. For a copy of this bulletin, please address Farm Service Editor, Kansas Farmer, Topeka. There is no charge.

of one kind or another are now dotting this broad area, known as 'city limits,' and for miles around the claims are mostly taken up. We have purchased and moved into one of the Cincinnati houses." (The house was put up on the Lovejoys' claim, adjoining Manhattan. Julia referred to it as a "balloon house.")

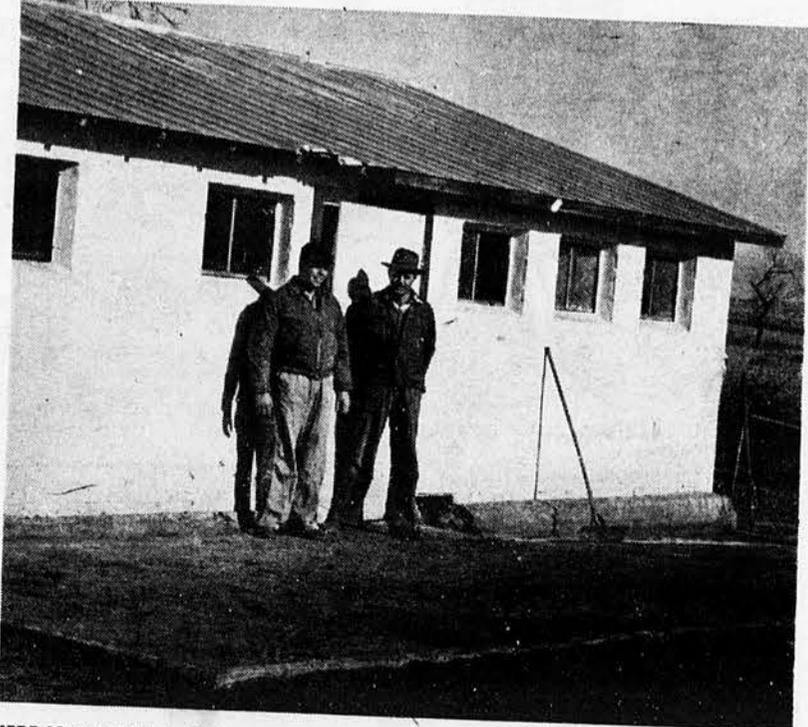
Soon after his arrival in the Territory, the Reverend Charles Lovejoy had been placed in charge of the Fort Riley mission. Julia described his field of labor as extending from the Pottawatomie mission (St. Mary's), 30 miles southeast, to a point west of the Fort. "Mr. L. has preached every Sabbath since he left the East," she wrote. "He finds 12 places where they need constant Sabbath preaching. There is work for every minister or free-soil man who can be spared from any part of New England. Drones that cannot work hard or live on coarse fare, or sleep in cabins, with or without a bed, or on the open prairie, need not come here. . . . But those who can endure and are willing to 'rough it' for the sake of doing good in the cause of liberty and religion, let them come. . . . A great work is to be done and Kansas is the battlefield where a mighty conflict is to be waged with the monster, slavery."

### To Defend Their Homes

On July 2 (1855) the first Territorial legislature met in the now extinct town of Pawnee. Charles Lovejoy attended with Free State settlers of the area, all determined to defend their homes and rights against possible violence by the fraudulently elected Missourians. The session at Pawnee lasted but 5 days, however. A bill was passed over Governor Andrew Reeder's veto to remove to the Shawnee Methodist Mission near Kansas City. This gave the Missourians the advantage of being nearer home territory.

After serving 5 months in the Fort Riley mission, Charles was assigned to Lawrence by the Methodist Episcopal Church conference. Julia and the children remained on the Manhattan claim, in order to hold it. In the spring of 1856, Charles was sent East to solicit funds to build a church and on his return in August, he moved his family to Lawrence.

### Keeping Out of Mud



HERE IS AN IDEA to help combat mud around milking parlor. Jim Carnahan and son, Dales, of Clay county, are shown standing on concrete slab outside milking parlor. Slab slopes one inch in 12 feet toward outside and 9 inches in 3/4 foot lengthwise. Concrete gutter at low end carries barn runoff water outside cow lot.

# He's feeling his CHEERIOS...

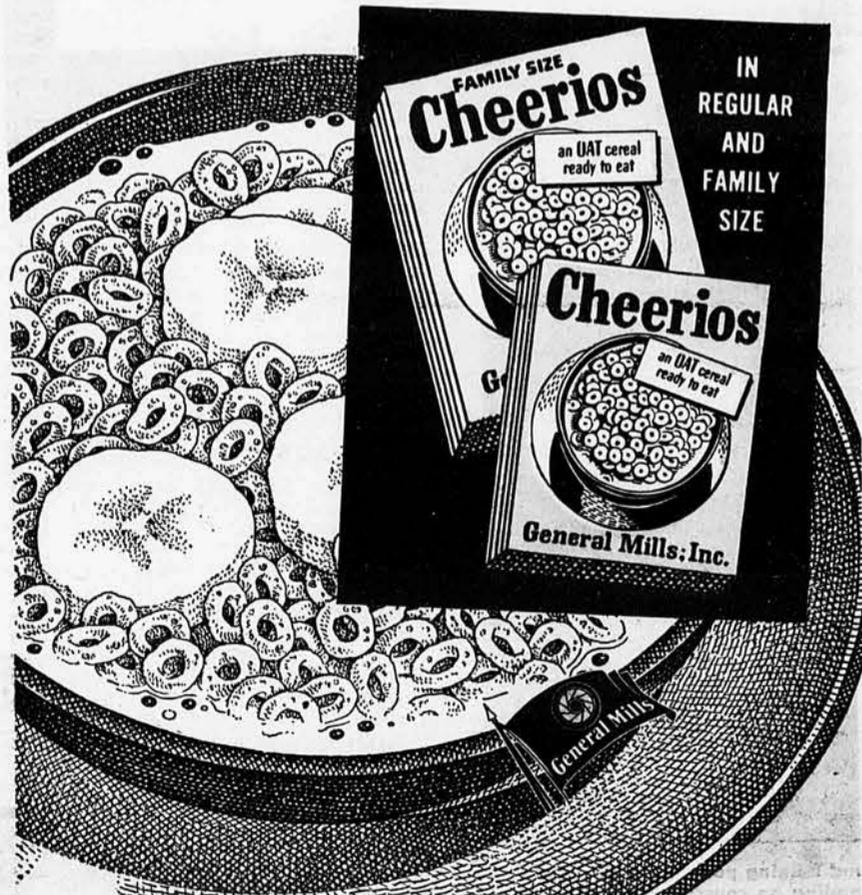


-the OAT CEREAL that needs No Cooking!

\* \* \*

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

Betty Crocker of General Mills, America's best-known food authority, says: "There's lots of nourishment and good eating in a bowl of Cheerios, milk and fruit." Cheerios are so appetizing—like crunchy little doughnuts, with a wonderful fresh toasted-oat flavor. Get a regular or family size package of Cheerios.



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

### Gladiolus, King of Summer Flowers

By FRANK PAYNE

THE common name of Gladiolus is GLADS. That name is used by most growers and florists. They do not have bulbs, they are CORMS and CORMLETS, altho millions of folks wrongly call them bulbs and bulblets.

You can have glads in bloom all summer if you make different plantings. First planting can be made real soon, about April 1. Follow with other plantings every 2 or 3 weeks apart, making your last one about July 1.

Glads bloom about 80 days after planting in an average season. They should be planted 6 inches deep and 6 inches apart for best results. Blooming-size corms should be from one inch to 1 1/2 inches in diameter. Young, healthy corms this size are best to plant. Smallest corms can be planted much thicker and only 3 inches deep.

#### Plant in Open Garden

Be sure to plant glads out in your open garden. They were found growing in South Africa and love sunshine. Plenty of cultivation and moisture are needed right up to the time buds begin to show. When cutting the spike, cut when the first flowers are in bloom. They will continue blooming in a vase of water right up to the very tip. A fair average is 12 flowers on each spike. Be sure to let at least 4 leaves remain on the plant to develop and mature the corm and to increase the cormlets.

Dig glads in the fall when their leaves start to turn brown. Cut off tops about one inch above corm. Store thinly in slatted crate or shallow box so they can dry and cure for next year's flowers. A cool cellar or dry basement is all right for storage if frostproof. Baby cormlets can be saved and in one year can be grown into blooming-size corms. That is the way glads increase and some varieties do so very rapidly.

Here is a list of good varieties I have found do real well in this section. They are not the newest varieties, but are much preferred for cut flowers and most uses. KING LEAR is a deep purple. DR. F. E. BENNET and VALERIA are both good, bright reds. PICARDY is a peach color. MAID OF ORLEANS is the best pure white. GOLDEN DREAM for a yellow with GIANT NYMPH for a pink. BEACON, also SPOTLIGHT are bicolor, red and yellow. MARGARET BEACON is white with red blotch. MARGARET FULTON is rose salmon.

#### Cannas Have a Place

If you need flowers for a background, or to fill a large bed or along a driveway, or even to hide an unsightly building, be sure to use flowering Cannas. Their beautiful flowers and rich green or copper foliage are showy all summer and fall until frost.

Cannas are from the banana family,

cannot stand a bit of frost and should not be planted even when the ground is too cold. May 15 to June 1 is plenty early to plant cannas. Of course, you could start the roots growing in a 5- or 6-inch pot in the house, then transplant outdoors by June 1. You can plant them from 1 to 3 feet apart each way. Here are some good varieties. PRESIDENT is bright red with green foliage. KING HUMBERT is dark red with copper leaves. CITY OF PORTLAND is bright pink with green foliage and YELLOW

#### Flower Questions?

If you have questions about flowers you wish to have answered by Mr. Payne, please send them to Kansas Farmer. He will answer any sent in by May 1, 1951, provided they are about flowers only, and provided you send a stamped addressed envelope for his reply to you. Please send your questions to Editor, Kansas Farmer, Topeka, Kan.

HUMBERT is a nice yellow with copper leaves. When frost kills tops, dig and store in a frostproof cellar or basement, allowing dirt to remain on roots to keep them from drying out too much. Divide next spring just before planting.

#### Tuberose Stand Hot Weather

All folks from the South love the sweetest scented of all summer flowering bulbs, Mexican single or double tuberose. Now they can also be grown in this latitude if you delay planting outdoors until June 1. They could be started in the house in pots if you are in a hurry for blooms. Plant the bulbs outdoors about 2 inches deep. Only the large-size bulbs will bloom. You have to grow the small bulbs for a year before they get blooming size. Dig after killing frost and store same as gladiolus.

My next article is all about DAHLIAS. It will come to you in the March issue of Kansas Farmer.

#### France Is Host To World's Poultry Congress

Announcement is made by the president of the World's Poultry Science Association that plans are going ahead to hold the 9th World's Poultry Congress at Paris, France, August 2 through 9. Altho world conditions are strained, make your plans to attend, advises the Poultry Congress committee.



BIG JOB: Ninety days after planting glads the blooms begin to smile at you. Thirty thousand corms were planted in this acre plot back of the Payne farm home.

# THE HARVESTORS

**SELLOUTS  
YEAR AFTER YEAR!  
LEADING  
SELLERS  
EVERY YEAR!**



*Why?*

### DEPENDABILITY!

... PLUS AN ESTABLISHED REPUTATION FOR LOWER COST HARVESTING PER BUSHEL, PER ACRE, PER DOLLAR INVESTED for more years and a price that's right! THEY'RE BUILT TO GET THE GRAIN under all harvesting conditions—down grain as well as extra heavy stands. And, MM owners report that the HARVESTORS profitably harvest even light stands!

When you choose the 12-foot MM G4 HARVESTOR, you get the harvesting features that count at a price that's right. MM HARVESTORS still feature the original single-unit construction that did so much to reduce weight and increase durability and ease of handling. These MM HARVESTORS are surely QUALITY leaders!—Built to get all the grain, to separate all the grain, to clean all the grain and to save all the grain. Straight-through design insures efficient big

capacity threshing . . . exclusive MM cylinder feed eliminates slugging, assures even feeding at all times . . . a sturdy rasp-bar cylinder and one-piece, all-steel, welded concave and grate thresh the grain uniformly and gently without cracking it or breaking the straw to bits . . . spacing between the cylinder and concave and speed of the cylinder can be easily changed to meet varying crop conditions . . . heavy-duty, galvanized, all-steel straw racks provide extra large separating surface and capacity . . . exclusive MM grain pan assures a steady, evenly distributed flow of grain toward the cleaning shoe and prevents bunching of the grain when operating on rolling fields.

Uni-Matic Power on MM TRACTORS can be used for hydraulically lifting, lowering, and varying the height of cut on the G4 from 1½ to 32 inches, 2 to 41 inches on the Self-Propelled, 2 to 40 inches on the HARVESTOR 69.

### Quality Control IN MM FACTORIES ASSURES DEPENDABLE PERFORMANCE IN THE FIELDS

MM G4 HARVESTORS are noted for their quality construction. Header and thresher are built as one unit, balanced over the main axle for easier handling and positive operation at all angles. Wheels of large diameter are Timken bearing-equipped and pressure-lubricated for long life and smooth performance. High quality ball and roller bearings are used on all high-speed or heavy-

load shafts, assuring long-life dependability. Simplified belt-drives with adjustable sheaves provide flexibility for all crops and conditions.

Get facts on the G4 HARVESTOR and on other MM HARVESTORS and Windrowers. See your local MM Dealer now or write—so you'll be sure of getting your MM HARVESTOR this year!

*Sell YOUR LOCAL MM DEALER OR SEND FOR COMPLETE FACTS TODAY!*

### MINNEAPOLIS-MOLINE COMPANY MINNEAPOLIS 1, MINNESOTA

I am interested in BUYING this year the MM equipment checked. Without obligation, please send me promptly complete facts on the equipment checked below.

Name.....

P. O..... State.....

- MM G4 Harvester
- MM 69 Harvester
- MM Self-Propelled Harvester
- MM Windrowers (8 Ft.-12 Ft.-14 Ft.)
- MM G Tractor 4-5 Plow Power
- MM U Tractor 3-4 Plow Power
- MM Z Tractor 2-3 Plow Power
- MM R Tractor 2 Plow Power

I farm .....acres. **ONE MAN CAN HANDLE BOTH HARVESTOR AND TRACTOR WITH EASE!**

**MINNEAPOLIS-MOLINE  
MINNEAPOLIS 1, MINNESOTA**

# "I'd Like to Order A GOOD RAIN"

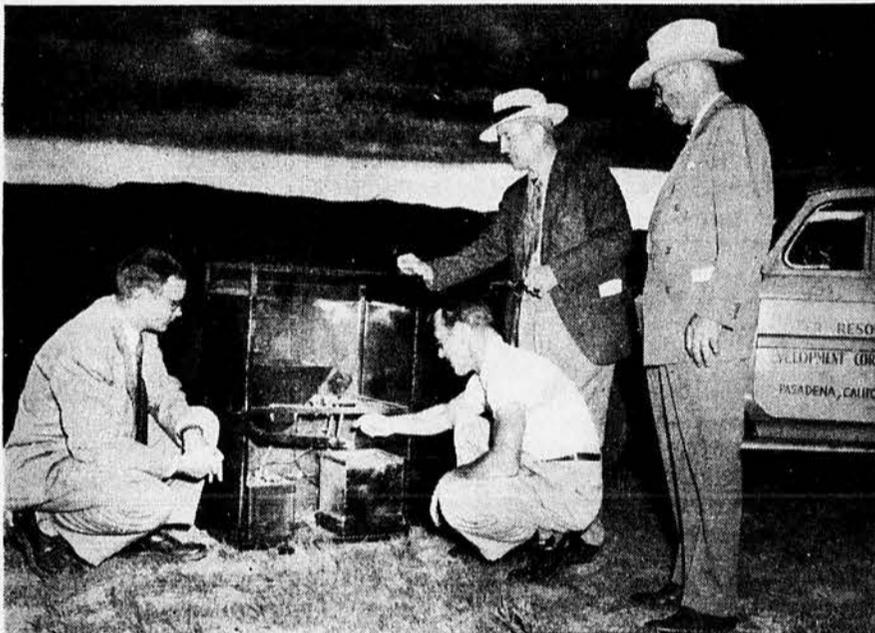
In this article, *Kansas Farmer* brings you up-to-date on pros and cons of weather making. Some say it's O.K. Others pooh-pooh the idea

By **DICK MANN**

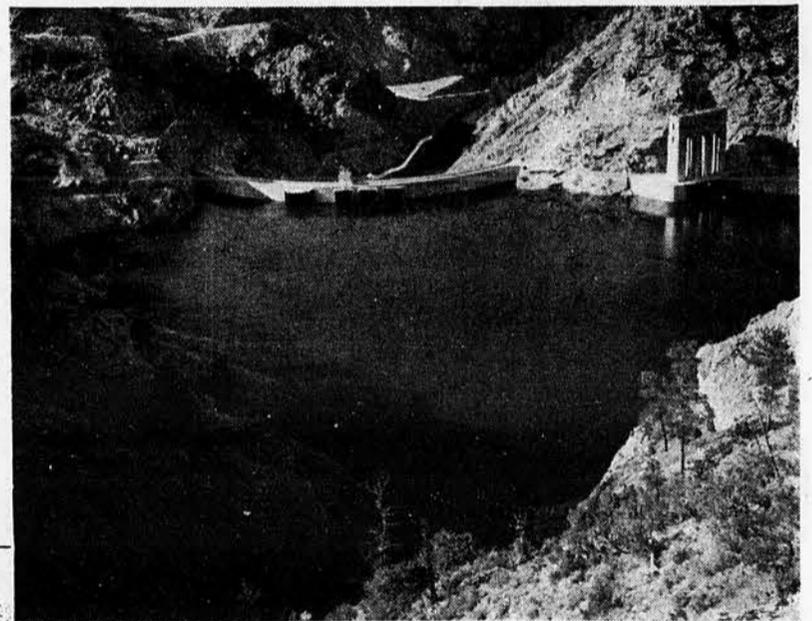
**H**ELLO, Regional Rain Service? This is John Jones. Say, my wheat is looking mighty dry. I'd like to order a good rain for my south 80 for sometime this week." Sound fantastic? Sure, it's exaggerated, but 3 Eastern Washington wheat ranchers, Leo, Dan and B. B. Horrigan, of Prosser, recently reported doing something that sounds almost as impossible. These men own 100,000 acres of wheat around Prosser, Wash. The amount of rain they get during the critical month of June greatly determines the yield of wheat they will get.

About 6 months before harvest last year Leo Horrigan went to Pasadena, Calif., to consult Dr. Irving P. Krick, president of Water Resources Development Corporation, which specializes in cloud-seeding operations. Doctor Krick's company, at Mr. Horrigan's request, made a survey of the Prosser area. Weather and crop records going back over a 50-year period were studied and evaluated. The report indicated conditions were likely to be favorable for cloud seeding during each year from September continuing on to June 15.

Mr. Horrigan then made a contract with the company for some June rain. A trained meteorologist with field experience in cloud seedings was sent to Prosser. He arrived June 1. There he set up his ground generators for sending silver iodide crystals into the atmosphere when favorable cloud formations approached the area. Weather forecasts indicated June 6 to 8 promised desirable conditions for the ranch area. During this period a zone of natural rainfall passed over Eastern Washington. Generators were placed in operation at chosen locations. According to a report made by Doctor Krick, the Horrigan ranch got 192 per cent of average rainfall for June. In other words, rain from that one storm was increased 92 per cent above average amount of rain generally received during the entire month. Generators were operated 36 hours during this first storm. Again on June 11 and 12, Doctor Krick claims, generators were used 15 hours during a second storm. This time Horrigan ranch is said to have received rainfall 238 [Continued on Page 36]



A GROUND GENERATOR for silver iodide seeding of clouds is shown here. Albert K. Mitchell, right, New Mexico rancher, watches as experts operate machine in effort to cause precipitation from cloud at top. (Photo by House of Photography.)



SOME POWER COMPANIES are hiring rain-makers to seed clouds above huge reservoirs like this one in Wyoming to maintain high water levels for power production. (U. S. Bureau Reclamation Photo.)

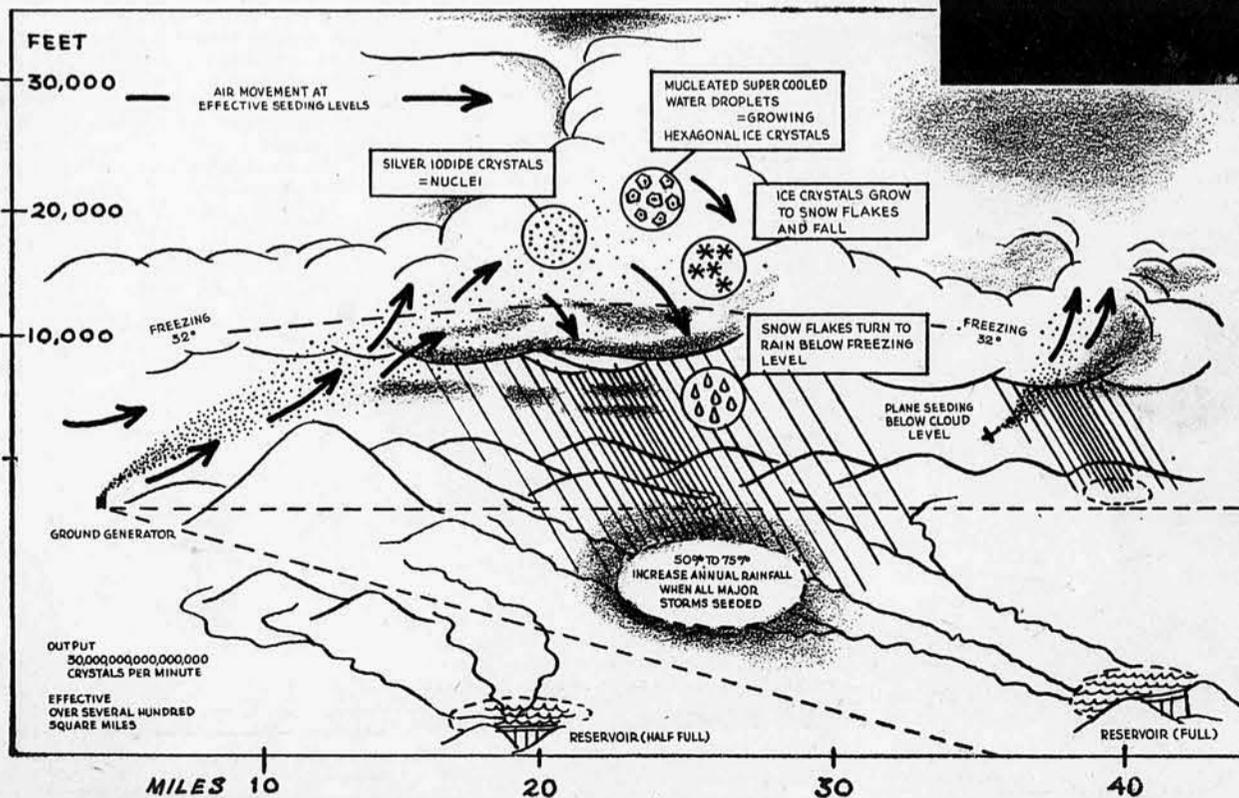


DIAGRAM at left shows how rain-increasing projects are carried out from ground generator. Ground generator sends tiny silver iodide particles into atmosphere at rate of 30,000,000,000,000,000 crystals per minute. Particles are swept upward to clouds by natural turbulence and updrafts. When they rise above 10,000 feet (at proper temperatures) each silver iodide particle absorbs moisture and becomes a potential snowflake. A single generator is effective over several hundred square miles.

# Farm Matters

## AS I SEE THEM

I CAN remember when neighbors used to say of a farmer he was "land poor." In other words, he owned more land than he had the necessary working capital to operate profitably.

It looks to me as if people of the United States, including farmers, face the prospect of being "dollar poor." The country is going to be rich in dollars—but the dollar will have such low purchasing power the possessors will be "dollar poor."

Another word for it is inflation. Most of us have an idea inflation is bad, but too few have an understanding of what inflation really is. Some folks think of it as the opposite of depression, and remembering past depressions, think there may be some good in inflation after all.

I can remember, back in the thirties, when the late John Simpson, then president of the National Farmers Union, told a congressional committee what the country needed was more dollars, "and perhaps a few counterfeit dollars would help." John said that only figuratively. He got a laugh. But not a few people took it that he had a deep and sound underlying philosophy.

The effect of inflation of the currency is best illustrated by what is happening to the war bonds you and I bought say some ten years ago. We paid \$75 for two \$50 bonds. They matured—came due—10 years later, and then were good for \$100. And we can get the \$100.

But there is a catch in the deal. You or I cash one of those bonds now, and proceed to buy things with them, and we discover they will buy only what \$60 would have bought 10 years ago, when we bought the bonds.

We made a "dollar profit" of \$25. We took an actual loss of \$15. The Government which promised us \$100 delivered to us really only \$60. Are we being played for suckers?

What is inflation of the currency? Economists will tell us inflation is when the number

of dollars—currency plus demand bank deposits—increases faster than the supply of goods available for purchase.

What is the cause of inflation?

Cause of inflation is government spending—a government spending more than it can collect in taxes to meet its expenditures.

That is what our Federal Government has been doing for 2 decades, excepting for 2 years. It may or may not be significant that those 2 years were the years for which the Republican 80th Congress made the appropriations for the government to spend, and held down expenditures.

One reason I have tried to give a short-cut definition of inflation is an estimate from the Bureau of Agricultural Economics that American farmers' income this year will be 15 per cent larger (in dollars) than it was last year.

The natural reaction of consumers, who know too well they are paying more for groceries than they did last year, is that farmers are getting rich at their expense.

It sounds like farm prosperity for a government agency to announce that where the farmer had \$100 of income in 1950 he will have \$115 income in 1951. But when it is proposed from another government source that where he paid \$100 in federal income taxes in 1950, he may expect to pay \$130 in federal income taxes for 1951—that does not sound quite so prosperous.

Of course, farmers are not the only ones who will have to pay 30 per cent higher taxes if the 71-billion-dollar budget the President has sent to Congress for the next fiscal year is approved by Congress—and taxes are levied to raise that

amount on the "pay-as-you-go" tax programs the President has asked. The increase in taxes will apply to all.

And if taxes are not levied sufficient to meet the expenditures, then the Government will borrow the money. Some of it will be borrowed—thru bond purchases—from people who have saved that much money. To the extent the bonds are purchased by persons (individuals or corporations) from their savings, that will not be inflationary. But where the banking system is compelled to take the bonds, thereby increasing the supply of credit dollars 6 times for each dollar so lent the government—that is inflationary.

Of course, there is another—and a real—way to fight inflation. That is for the Government not to spend so much money. Senator Byrd of Virginia, a Democrat by the way, says the Government can get by spending 9 billion dollars less than the 71 billion of expenditures demanded by President Truman.

It seems to me farmers can best serve their own interests, and the welfare of the Nation, by insisting that their congressmen pare the President's budget by the 9 billion dollars suggested by Senator Byrd.

We went into World War I with a national debt of around one billion dollars. We prepared to go into World War II with a national debt around 40 billion dollars. We are preparing for participation in World War III with a national debt of more than a quarter trillion dollars.

I say Congress not only should tax you and me until it hurts. Congress also should reduce federal expenditures until it hurts—hurts the federal spenders.

*Arthur Capper*

Topeka.

## Price Fixers Certainly Are Muddled

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

BEST picture of Washington today is a recent Berryman cartoon in the Washington Star. Seated at a desk is Eric Johnston, head of Economic Stabilization Agency. Eric is sweating.

Leaning over his shoulder is Mike DiSalle, Price Stabilizer. Mike is sweating profusely, mopping his brow. To the rear, just outside the door, is a little chap with a worried, hurried look, shivering.

Mike is saying to Eric, sotto voce, "He says he is confused. What shall I tell him about us?"

One of the best of the agricultural information services for the trade says it in words: The price order is a mess, as applied to food and farm products, and if you don't fully understand it, don't worry. Others don't, either.

"Even the government men who wrote the rules cannot explain them concretely," Kiplinger's advises their clients. "We've been sitting on their doorsteps all week, asking for explanations. Truth is they are thoroly muddled, but are trying to clear things up."

### Different This Time

One thing you can bear in mind, as different from last time.

The idea is not to have rigid price ceilings, but to halt the rising price level thru control of profits. So far as most farm and food prices are concerned, only the margins have been frozen. Each handler, processor, wholesaler, retailer is directed to limit his margins to whatever they were from December 19 to January 25. For the present, these are to figure out their own margins—but the warning is they better "guess right."

Meat, cotton and wool are exceptions. In the case of meat, the price ceilings for packer and retailer, and

all handlers between, are fixed at the highest charged in the base period, December 19 to January 25.

No prices have been frozen at the farm level. Prices of live animals could have been frozen, under the law, as meat is away above parity. Livestock producers, like all other farm producers, can sell for whatever prices they can get. But the fixed processor and retail prices will put pressures downward on livestock prices, eventually.

DiSalle has warned that prices will be fixed on live animals, but doesn't say when. Slaughterers are to be licensed, and their slaughterings limited. Orders

are in the making, promised soon. In trade circles it is believed these may be made effective in early March.

Friday last week OPS Director Michael DiSalles issued an order limiting present slaughterers to the same proportionate share of animals killed in 1950, requiring these to be licensed; and no new slaughterers licensed, except in case of dire public emergency.

The regulation provides: "From now until April 1, no slaughterer may slaughter cattle, calves, sheep and lambs, or swine unless he was engaged in the business of slaughtering that specie of livestock in the period from January 1, 1950, up to now."

By March 15, all slaughterers, except farm slaughter, must register with the OPS. Except farm slaughter, no slaughterer may legally slaughter any livestock after April 1, unless he has registered. After that OPS will tell him how many he may slaughter. Farm slaughterers are not required to sell meat in the same channels as 1950, but may not increase their volume above equivalent periods of 1949-50.

### It Sounds Confusing

Objective being rolled trippingly off the tongue in government circles is "tailored price controls." The jargon mongers love the word "tailored." What it means is to apply to each commodity specific price ceilings all along the line; starting with the farm price for the commodity, ending with the retail price to the consumer. Meat is to be the first food item so "tailored."

The meat price controls are a headache. The "tailored" order will have to provide for different kinds of livestock,

and differences in grade, weight, age and condition for each variety. In the packing house, prices must take into account differences in grade in carcasses, size, amount of fat.

Price ceilings for different areas and cities must be delicately adjusted, otherwise meat will tend to flow to those areas where it can be sold most profitably, other areas invited to sit down to a meat famine. Also OPS, like its predecessor OPA, faces the task of defining cuts—steaks, chops. OPS naturally hopes to simplify the definitions. Trouble is a simple definition has to be interpreted, and all the interpretations become in effect regulations, and the simple definition—to the extent that it was simple—becomes more complicated and nonunderstandable with each new interpretation.

(Continued on Page 39)



"Oh, I didn't get this way PLAYING baseball. I was third base."



"You're tired, run down and over-worked—what you need is three weeks of sunshine and fresh air on the golf course."

# Here's the Electric Range for your FARM HOME!

## FRIGIDAIRE "Thrifty-30" Electric Range

- Biggest oven of any household range
- Cooks more food on no more current
- One-piece, all-porcelain oven
- Provides more cooking space up front
- High-speed, waist-high broiler



Yes, you can bake ten loaves of bread or six large pies in this huge oven . . . roast the largest turkey in the flock! And it's . . . . . **\$178<sup>75</sup>** ONLY

### Completely Automatic Model

. . . And there's the "Thrifty Thirty-Five" model with all of the features of the "Thrifty Thirty" PLUS . . . a time clock to make it fully automatic and a beautiful light that adds both beauty and utility. Full-width storage drawer at the bottom holds large utensils . . . . . **\$209<sup>75</sup>** ONLY

## SEE THEM AT ANY OF THESE DEALERS

- |  |   |   |   |
|--|---|---|---|
| ARILENE<br>Shockey & Landes              | DOUGLASS<br>The Electric Store          | KINSLEY<br>Maytag Appliance Co.                   | PARSONS<br>Ellis Radio & Appl. Co.      |
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| ALTMONT<br>Holmes Hdwe. Co.              | EL DORADO<br>Home Appliances, Inc.      | LACROSSE<br>Pittman & Pittman                     | PEABODY<br>Baker Furn. Store            |
| ANTHONY<br>Wood Music Co.                | ELKHART<br>Ellis Motor Service          | LAKIN<br>Hart & Co.                               | PHILIPSBURG<br>Newell's Appl. Store     |
| ARGONIA<br>Horion Furniture Co.          | ELIAS<br>O'Loughlin Motor Co.           | LARNED<br>A. A. Boerr Merc. Co.                   | PITTSBURG<br>Rodey's                    |
| ARKANSAS CITY<br>Wright-Burton Hdwe.     | ELI SWORTH<br>Holt & Goedde Furn. Co.   | LEBANON<br>Lebanon Electric                       | PLAINVILLE<br>Moshier Bros.             |
| ARLINGTON<br>Fay's Sundries & Appl.      | EMPORIA<br>Litke-Stephens Furn. Co.     | LEHIGH<br>Burkholder Lbr. Co.                     | PRATTSBURG<br>Prinsen Bros. Hdwe.       |
| ARMA<br>Bosnio Hdwe. & Appl.             | ERIE<br>Rozers' Hdw. & Furn.            | LENORA<br>Eldridge Electrical Co.                 | PRATT<br>Link Electric                  |
| ASHLAND<br>Grimes Appliance Co.          | ESKRIDGE<br>Willard Sales & Serv.       | LEON<br>Losh Motor Co.                            | PRETTY PRAIRIE<br>General Appliance Co. |
| ASSARIA<br>Johnson's Pibg. & Appl.       | EUREKA<br>Burton's Furn. & Appl. Co.    | LEOTT<br>Western Hdwe. & Sup.                     | QUINTON<br>Quinter Appl. Store          |
| ATTICA<br>K. R. Anthony Furn.            | FALL RIVER<br>Fall River Impl. Co.      | LIBERAL<br>Hettie Appl.                           | RILEY<br>Meyer Mercantile               |
| AUGUSTA<br>Coleman Gas Serv. Co.         | FLORENCE<br>W & R Appliance Co.         | LINCOLN<br>B. G. Hall                             | ROSE HILL<br>Carr Grocery               |
| ANTELL<br>Roth's Lock. & Ap. Co.         | PORT SCOTT<br>Filizola Off. Equip. Co.  | LINCOLNVILLE<br>Burkholder Lbr. Co.               | RUSSELL<br>Deines Bros.                 |
| BAYTOWN<br>Milo Chew Drug Co.            | FRANKFURT<br>Taner Electric Shop        | LINDSBURG<br>Billings Refrigeration & Elec. Appl. | ST. FRANCIS<br>Roelf's Electric         |
| BELLE PLAINE<br>Foster Refrig. & Appl.   | FREDONIA<br>Hollis Hardware Co.         | LITTLE RIVER<br>Hodgson Impl. & Hdwe.             | ST. JOHN<br>A's Electric Service        |
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| BELoit<br>Hiserote & Weir Appl.          | GIRARD<br>Craik Gas & Elec. Co.         | MACKSVILLE<br>Breitenbach Appl.                   | SALINA<br>Goodhousekeepers Appl., Inc.  |
| BENNINGTON<br>Powell Service             | GLASCO<br>R. W. Cramer Hdwe.            | MADISON<br>Schottler's, Inc.                      | SALINA<br>Decker                        |
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| BLUE RAPIDS<br>Brake Furn. Store         | GREAT BEND<br>Mathers-Jaeger Appl.      | MANKATO<br>Beam Motor Co.                         | SCOTT CITY<br>Bryans, Inc.              |
| BUCKLIN<br>Day Hardware Co.              | GREENLEAF<br>Hogan & Sons               | MARION<br>W. J. Haas Furn. & Ap.                  | SHARON SPRINGS<br>E. Koons & Son Hdwe.  |
| BUHLER<br>Kim, Elliott & Gard            | GREENSBURG<br>Culp Home & Auto          | MARYSVILLE<br>Fred Lee & Sons                     | SMITH CENTER<br>Simmons-Olliff          |
| BURDEN<br>Lewis Chevrolet Co.            | HAI STEAD<br>Martie's Dept. Store       | MARYSVILLE<br>Fred Burris                         | SPEARVILLE<br>Heckamp Chev. Co.         |
| BURNS<br>Lyons Supply Co.                | HANOVER<br>Schwartz Appl. and Elec. Co. | MCPHERSON<br>Green's Appl. Store                  | ST. JOHNS<br>Peacock & Solce            |
| CALDWELL<br>Terwilliger Hardware         | HARPER<br>Jess Hamilton                 | MEADE<br>C. F. Worman Elec.                       | STERLING<br>Haney's Appl. Center        |
| CANEY<br>Pendleton Chev. Co.             | HAY<br>The Merchandise Mart             | MEDICINE LODGE<br>Dickey Appl. Co.                | STOCKTON<br>Quenzer Appl. Co.           |
| CAWLER CITY<br>Rey-Rhoades Ap. Co.       | HERINGTON<br>Fred Lee & Sons            | MILTONVALE<br>Phelps Furn. Store                  | SYCAMORE<br>F. A. Gatewood & Sons       |
| CEDAR VALE<br>Williams Motor Co.         | HILL CITY<br>Quenzer Appl. & Hdwe.      | MINNEAPOLIS<br>Horner Hardware                    | SYRACUSE<br>Stewart Furniture           |
| CHANUTE<br>Naff & Bolze Hdwe.            | HILLSBORO<br>John Hiebert               | MOLINE<br>Boyer Gift & Appl. Co.                  | TIMKEN<br>Timken Lumber Co.             |
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| CLAY CENTER<br>Marshall's, Inc.          | HUGOTON<br>Reed's                       | NASHVILLE<br>Stewart Motor Co.                    | WAKEFELD<br>Clark Supply Co.            |
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| COTTONWOOD FALLS<br>Hamm Electric Co.    | KINGMAN<br>Kingman Radio Shop           | ONAGA<br>Tessendorf Furn. Co.                     |   |
| COUNCIL GROVE<br>Rumsey & White          |   | OSBOENE<br>Quenzer Appl. Co.                      |   |
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## Contest Still Open

Cash and Books to Be Awarded

CASH for winners and books for their school libraries will go to 7th and 8th graders who win first, second and third in the *Kansas Farmer* story-writing contest. Stories are now arriving, and we want every interested farm boy and girl to enter before the contest closes.

Here are the awards:

First prize: A personal cash award of \$25 to the boy or girl winner, plus \$100 in books for the school library.

Second prize: A personal cash award of \$15 to the boy or girl winner, plus \$75 in books for the school library.

Third prize: A personal cash award of \$10 to the boy or girl winner, plus \$50 in books for the school library.

The rules of the contest follow:

1. Subject of the story shall be, "Why I Like to Live on a Farm."
2. Story must not be longer than 500 words.
3. The writer must live on a farm of not less than 3 acres.
4. Story must be written plainly or

clearly typewritten, double spaced. 5. Story must be original. Give name or number of the school district.

6. The paper must be 8 1/2 by 11 inches and written on one side only.

7. Seventh and 8th graders who attend rural school and live in Kansas are eligible. A rural school is one under supervision of the county superintendent.

8. As 7th or 8th graders in a school enter the contest, the teacher will choose the best and mail it to the "Story Contest Editor," *Kansas Farmer*, Capper Publications, Topeka. Only one entry may be mailed from each school.

9. To be eligible for grading by the editorial staff, stories must reach the office no later than March 31.

A large list of recommended books for rural schools has been prepared by Mrs. Ruth Gagliardo of the Kansas State Teachers Association. Winners of the contest may choose their books from this list.

## Coming Next Issue

What's ahead for Kansas dairymen and the dairy industry in the state? What progress has been made in dairying in the last 50 years?

These questions and others will be answered in an article to be found in March 3, *Kansas Farmer*. Author of the article is F. W. Atkeson, head of the dairy husbandry department at Kansas State College. The feature is Number 24, final one in our special series reviewing farming progress and looking into the future.

## Is It True?

IS IT TRUE Kansas has a real sea-water spring which rises and falls with the ocean tides? Tho the "Sunflower State" is 1,500 miles equidistant from the Atlantic and the Pacific Oceans, the state can show tourists some real sea-water springs, Waconda Springs. And altho centuries old, the water is said to rise and fall with the ocean tides, says Jim Reed in the Topeka Daily Capital.

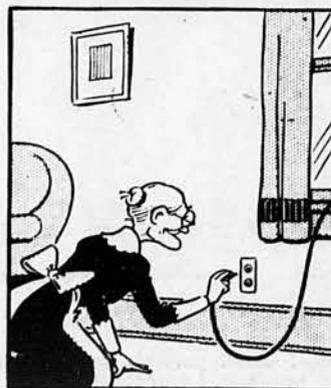
The Kansas Year Book for 1937-38 of the Kansas State Chamber of Commerce states Indians from all over the Midwest came to Waconda Springs to worship and to hold ceremonial dances and events. For centuries, Indians looked upon the waters with devout reverence. They believed their Great Spirit dwelt within its shadowy depths, that its waters possessed healing qualities. They carried their sick to the springs for its curative properties, designated it as the place for celebrating their victories. The waters have a salty

taste of medicinal quality. Expert divers are said to have attempted to plumb the spring's depth without success. Legend fixes it as the tragic setting of a frustrated Indian romance.

William E. Connelley, former secretary of the Kansas State Historical Society, once wrote the name of the spring means "the spirit of the Gods." The Kaw Indian word for God was "Waconda." The most famous legend about the springs concerns a young Indian girl, Waconda, the daughter of a great Indian chief. Her love for a brave of an enemy Indian tribe caused a war fought at the spring. During the battle her lover was wounded and thrown into the spring. She plunged in after him and both were drowned.

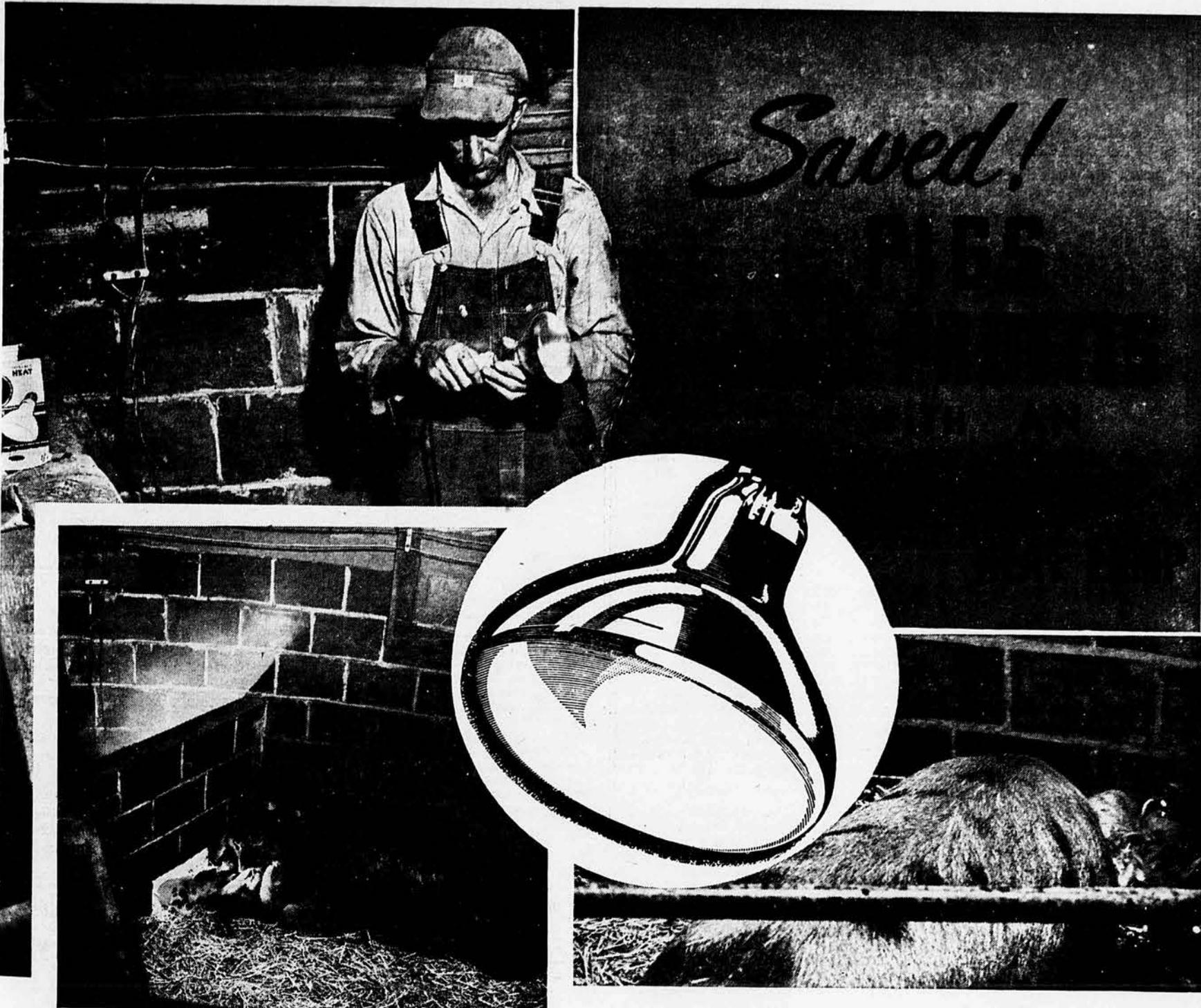
Today, Waconda Springs is still a historical spot in Kansas visited yearly by hundreds who want either to see the spring or to receive benefits from the healing qualities of the famous waters.

## GRANDMA . . . By Charles Kuhn



THERE, THAT'LL KEEP TH' COLD FROM GETTIN' TH' PURTY LITTLE THINGS FOR A WHILE LONGER, ANYWAY--

12-11 CHAS. KUHN



**T**HANKS to Reddy Kilowatt, a brood sow's maternity period during the chilly spring weather has been practically revolutionized by the infrared heat lamp.

Inserted in the socket of any conventional drop cord and hung above the sow before farrowing time, the heat lamp will give her comfort and discourage the building of a nest . . . Naturally it's also ideal in the

maternity pen to quickly dry her newly-born offspring and to provide warmth away from the weight of the mother's body.

And the heat lamp can be used just as effectively on the arrival of calves and lambs!

In the poultry house, the heat lamp is excellent for both heat and light. One lamp will furnish adequate warmth for 100 chicks and in laying houses, can be used for supplemental heat.

In fact the heat lamp is one of the most versatile innovations ever invented for farm use. It is suitable for dozens of uses, among them protecting plants from frost, throwing out sinks and drainpipes, heating workbenches, making motors start easier and protecting radiators. And that's only a start.

*The Electric Light and Power Companies of Kansas are ready to accept whatever demands the nation makes on them.*

*There is no power shortage today. And we pledge our every resources to meet the future needs of our economy and to preserve our security.*



*Your electric dealer will supply you with a heat lamp and describe its many uses. He also will help you choose those new modern appliances that will make living more profitable about the farm and more comfortable in the home.*

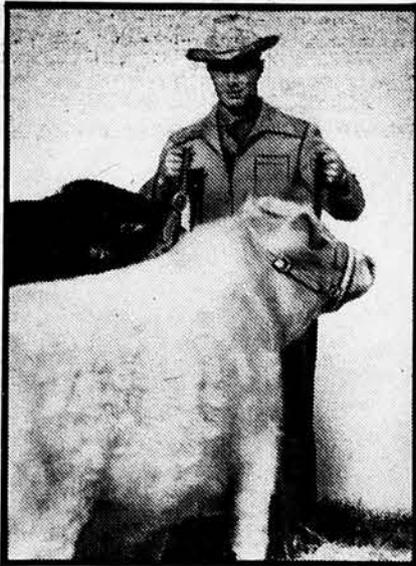


**ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS**

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

# Family Sends Their Polled Shorthorns Around The World

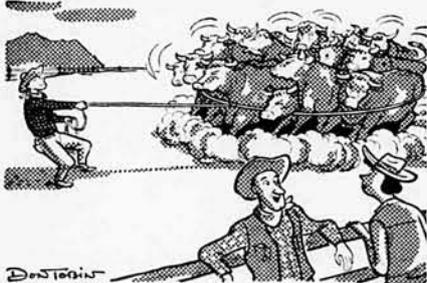
Thieman-bred cattle go to farms in seven different countries!



Harold Thieman exhibits 1948 pair of undefeated calves from his family's herd. Harold's another champion who gets farm-size breakfast nourishment from Wheaties!

CONCORDIA, MO.—“The sun never sets on cattle we bred” might be a slogan for the Thieman family. Lewis Thieman and son, Harold, have sold their cattle to be sent to Canada, Australia, New Zealand, Argentina, three other countries.

FAMED FOR Polled Shorthorns, Thieman's have been raising this breed for 50 years. In last 14 International Expositions almost half the Grand Champion Polled Shorthorns have been bred and shown by this one family. Outstanding record—and outstanding family. A Wheaties family! Harold Thieman has Wheaties about five mornings a week. Likes 'em especially with bananas or peaches and plenty of milk.



“He couldn't even rope one heifer before he started eating Wheaties!”

Born on the family farm, Harold knows his grains. He knows wheat is mighty good nourishment. And there's a whole kernel of wheat in every flake of Wheaties. No wonder Harold goes for those delicious, toasted little whole wheat flakes!

Wheat used in Wheaties is so choice, less than 1% of all wheat grown in U. S. meets the high Wheaties standard! And all the healthful bran and germ of that wheat are left in. You get B-vitamins, minerals, protein, food energy because there's a whole kernel of wheat in every Wheaties flake. “Breakfast of Champions!”



P.S. Economy-minded folks always buy their Wheaties in the Extra-Big Pak. Half again as much . . . at a saving.



“Wheaties” and “Breakfast of Champions” are registered trade marks of General Mills.

# Will Wheat Mosaic Hit Kansas in 1951?

... Nobody knows yet! But here is the way to find out. Kansas State College working on resistant variety

By LOWELL BRANDNER

KEEPING an eye peeled for any disease that might sneak up on Kansas crops, Dr. Hurley Fellows, USDA plant pathologist, is at work in the botany and plant pathology department laboratories at Kansas State College testing for possible mosaic disease.

A report last fall had persons in the Oklahoma Panhandle, East Texas and Southwest Kansas worried about mosaic in their 1951 wheat crops.

Mosaic is the virus disease that is estimated to have cost Kansas wheat farmers \$30,000,000 in 1949. Naturally, a person gets a little jumpy when he hears the disease may be widespread again this year.

Doctor Fellows, who the same week was in the same part of Kansas where the mosaic report originated, says no crop scientist could recognize mosaic with any degree of certainty at that time.

By shading the wheat plants, to make the lighter and darker areas of the leaves show up better, a plant pathologist (plant-disease expert) may see mottled color or strips that do not run the full length of the leaf. Those are symptoms of mosaic. But they also are symptoms caused by leaf spots, rusts and aphids in fields during fall months. Plants starved from certain mineral elements, particularly magnesium, also get the mottled appearance. Mites, too, can cause mottling similar to mosaic.

### No One Is Certain

So, Doctor Fellows says no one is certain Kansas wheat fields will be infected with mosaic this year. On his trip from Manhattan to Rolla, Syracuse, Garden City, and Scott City, the USDA expert got samples of wheat with mosaic-like symptoms.

But to be sure it is mosaic, Doctor Fellows explained, the disease must be transmitted to disease-free wheat.

That's what Doctor Fellows is working on in the K-State laboratories now. To inoculate disease-free wheat plants,

he makes a “juice” from the sample plants gathered in Southwest Kansas. Mixed with carborundum dust (the homemaker's knife sharpener is made of carborundum) to break wheat leaf tissues, the “inoculation juice” is applied to disease-free wheat grown in greenhouses.

If and when the disease-free plants have mosaic, Doctor Fellows will know whether Kansans have the disease in their 1951 wheat fields. By this method he has found samples of plants from several western counties which are diseased with mosaic. Whether this means mosaic will be a factor in wheat yields this year remains to be seen. It is not known yet whether the virus can overwinter in Kansas.

### Do Insects Spread It?

Meantime, he and K-State entomologists (bugologists) also are running tests to see whether insects can transmit mosaic. Insects are put on plants with mosaic symptoms and then transferred to greenhouse disease-free wheat plants. If the healthy plants get mosaic symptoms, they will be used to make “inoculation juice” to be used on a third healthy plant.

If the third plant comes down with mosaic, the K-State scientists will know what insects are transmitters and spreaders of the disease.

K-State scientists have been studying the disease since 1948. They also have dehydrated diseased plants and shipped them to Beltsville, Md., to be tested in temperature-controlled greenhouses.

Beltsville tests have shown that Kansas yellow-streaked mosaic is not seed-borne. The K-State researchers hope to find a hard red winter wheat that is resistant or that could be crossed to breed a resistant variety.

Yellow-streaked mosaic in Kansas is not the only virus disease that attacks wheat. Rosette mosaic, which is soil-borne, has done much damage in the soft red winter wheat belt. Scientists



“If that's Mrs. Marshall, I didn't even know she had been hit with a snow-ball!”

have been successful in developing and using resistant varieties to cut down losses from rosette. So they think in time they can lick the yellow-streaked disease in Kansas.

All different varieties of wheat grown in Kansas have been sprayed with the mosaic virus in field tests with 25 pounds of pressure to inoculate them with the disease. From the tests, the

### Is It True?

Is it true Kansas has some hills that are higher than the highest mountains in 3 of the United States? The nameless hills of Wallace county are nearly 1,000 feet higher than Mt. David, highest mountain in Pennsylvania. They are as high as Big Black Mountain, loftiest peak in Kentucky. And those same Kansas “hills” are 644 feet higher than Mount Greylock, highest point in Massachusetts.—  
Jim Reed in Topeka Daily Capital.

plant scientists hope to find a hard red winter wheat resistant to the disease or one that could be crossed to breed a resistant variety adaptable to Kansas conditions.

Altho wheat mosaic was first recognized in Kansas in 1929, it did little or no recognizable damage until 1949.

The current budget request of K-State to the legislature contains \$60,000 for a temperature-controlled, specially constructed greenhouse for wheat mosaic studies. It will be a good investment.

### Big 1951 Turkey Crop Seen for Kansas

This year will be the 3rd in a row of increases in turkey numbers in Kansas, estimates the U. S. Bureau of Agricultural Economics and the Kansas State Board of Agriculture. It is believed 855,000 turkeys will be raised in the state in 1951. This is a 2 per cent increase over the 838,000 turkeys raised in 1950, and compares with 742,000 birds raised in 1949. Because of continued heavy demand for meat in 1951, turkey producers are expecting more favorable returns this year than in 1950 when profits were generally lower than for several years.

### State 4-H Camp Gets New Road

Work will begin in near future on new all-weather road approaching Rock Springs Ranch, state 4-H Club camp. Preliminary surveying has been done, says J. Harold Johnson, state 4-H Club leader, Kansas State College, Manhattan. The State Highway Department has let the contract for grading, widening and graveling of the approach road.

Plans for a complete sewage-disposal plant have been submitted to the Kansas State Board of Health for approval. Included are blueprints for filtration plant and sewer lines to all major improvements on the camp site. Mr. Johnson added, “It is hoped work can get underway by spring on the big dining hall, the next major above-ground improvement planned for Rock Springs.”



WHEAT PRODUCTION: Dr. Hurley Fellows, USDA plant pathologist, clipping leaves of wheat plants in Kansas State college greenhouse at Manhattan. He grinds leaves with water to make an inoculation juice. The juice then is applied to healthy wheat plants. If healthy plants become diseased, Fellows knows he is on the right track in research to protect Kansas wheat farmers.

# THE NEW 1951 CHEVROLET

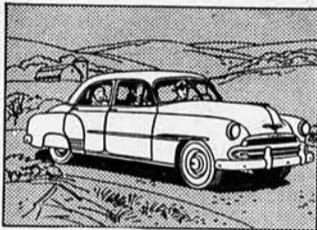


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**America's Largest and Finest Low-Priced Car . . . the all-around favorite of the highways and byways!**

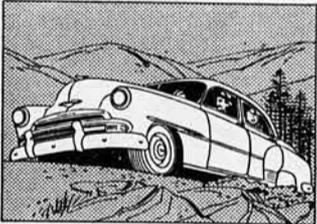
#### Loaded with power and really dependable!

Plenty of power! Plenty of stamina, too! Chevrolet's rugged valve-in-head engines are ready to go in any kind of weather . . . ready to meet the challenge of the roughest roads. Both the standard 92-h.p. engine and the 105-h.p. engine with Powerglide Automatic Transmission\* are loaded with power and ready to go!



#### So economical to own and drive!

Thrift is a Chevrolet tradition. And, on city streets—or on the highways of the nation—this famous Chevrolet thrift goes far beyond outstanding gas and oil economy. For Chevrolet has long been famous for low cost of operation and maintenance. Yes, with Chevrolet, you'll find you save money right from the start . . . throughout the life of the car.



#### A beauty that stays beautiful!

Every one of the fourteen beautiful Fleetline and Styleline models has a beauty all its own. And it's beauty that lasts! Handsome, durable Modern-Mode interiors, with beautiful two-tone color harmonies, are built to stand hard wear. And the modern, new styling of Chevrolet's Body by Fisher will be in tune with the times for years.



It's no wonder Chevrolet is America's favorite, for Chevrolet is the car with everything you want. Beautiful modern styling—Thrifty operation—Unmatched riding and driving ease—Ruggedness—Dependability. Chevrolet has them all! And Chevrolet has *new* Jumbo-Drum brakes, too—the largest in the low-price field, for greater safety, greater ease of operation.

But that's just the beginning. For Chevrolet hugs the highway, smoothes out the ruts in the roughest roads. It's such a joy to ride in . . . so easy to handle . . . such a pleasure to drive!

And what a wonderful choice is yours with Chevrolet. Choose standard driving at lowest cost with Chevrolet's efficient, standard Valve-in-Head engine and Silent Synchro-Mesh Transmission. Or—choose the powerful 105-h.p. Valve-in-Head engine with Chevrolet's Powerglide Automatic Transmission\*—the *only* owner-proved automatic transmission in the low-price field.

Yes, it's no wonder that Chevrolet is America's favorite. For Chevrolet is America's largest and finest low-priced car! Chevrolet Motor Division, *General Motors Corporation*, Detroit 2, Michigan.

\*Combination of Powerglide automatic transmission and 105-h.p. engine optional on De Luxe models at extra cost.



**MORE PEOPLE BUY CHEVROLETS THAN ANY OTHER CAR!**



Make garden plans, use adapted varieties, good seed, fertilizer and tend well.

## Now It's "Liberty Gardens"

.. **Patriotic duty to have one; here are varieties that will do most good in Kansas**

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

**I**N VIEW of the national emergency, a meeting of the National Advisory Garden Committee was held in Washington, D. C., recently to discuss need for a garden and home food preservation program. It will be a definite part of the Civil Defense program. It is expected soon state, county and community advisory home garden committees will be set up. It is to be known as the "Liberty Garden Program."

Time for planning our 1951 garden is here. With emphasis on home-food production increasing, there is more need than ever to put a useful garden plan on paper and later into actual planting and production.

A good garden can be grown on most farms. Home-grown vegetable and fruit products come in mighty useful in season for table use or later on as stored products. A well-planned, planted and tended garden will make a good cash contribution to the family income as well as providing good variety to many meals.

There are more vegetable crops and varieties available than are usually included or needed in the average garden. A common observation is too many gardens do not carry enough crops. It is well to plan to include at least one new crop every year. I do not mean every crop should be included or is adapted in all gardens.

If we have lost track of our list of adapted or useful varieties or find seed stores have too many choices for us to make up our mind, the following list may prove helpful. More emphasis needs to be given use of disease-resistant varieties where they are available. While some gardeners have their favorite varieties many are interested in variety suggestions based on results of tests in their section of the state.

Most useful crops and varieties for Kansas:

**Asparagus:** Mary Washington.  
**Beans:** Snap—Topcrop, Stringless Green Pod, Bountiful; Wax—Pencil Pod Black Wax, Golden Wax; Pole—Kentucky Wonder; Lima—Henderson Bush Lima, Fordhook 242.

**Beets:** Early Wonder, Detroit Dark Red.

**Cabbage:** Yellows Resistant Golden Acre, Wisconsin Copenhagen or Marion Market.

**Chinese Cabbage:** Chihli, Michihli.  
**Carrots:** Chantenay, Danvers Half Long.

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

### Good Grooming

Whenever beauty treatments are discussed, the average woman's reaction is, "If I only had time and money." However, a recent leaflet tells how busy women can get good results for themselves at home by a few simple methods.

This 8-page leaflet, "Good Grooming for Busy Women," covers many subjects: skin care, make-up, hair, hands, wardrobe.

Another pamphlet published by The Pond's Company, entitled "Face Value," has 10 questions and answers about the face, with clever illustrations you will enjoy reading.

We have made arrangements to have these 2 leaflets sent direct to our readers from our office. Please address Beauty Editor, Kansas Farmer, Topeka, and include 2c to cover postage.

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

**Lettuce:** Leaf—Grand Rapid, Black-Seeded Simpson; Head—Great Lakes.

**Onions:** (Use plants, sets and seed) Yellow Globe Danvers, Sweet Spanish, Bermuda (White or Yellow).

**Parsnips:** Hollow Crown.

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

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

**Sweet Potatoes:** Nancy Gold, Orange Little Stem (Orlis), Red Bermuda (in west).

**Rhubarb:** McDonald, Ruby.

**Spinach:** Bloomsdale Long Standing.

**Summer Spinach:** New Zealand.

**Squash:** Summer—Table Queen, Straightneck; Squash, Winter—Delicious, Uconn.

**Swiss Chard:** Lucullus.

**Tomatoes:** (Eastern counties) (Wilt resistant) Rutgers; (Non-wilt resistant) Stokesdale or Valiant, Bonny Best; (Central and Western counties) Sioux, Firesteel, Bounty, Porter.

**Turnips:** Purple Top Globe.

**Watermelon:** Kansas (Hutchinson).

**Planting Dates:** Radishes, spinach, peas, lettuce, turnips—as soon as ground can be worked after February 20. Onion sets, beets, carrots, potatoes, parsnips, cabbage plants—oats planting time, March 10 to 31. Tomato plants, pepper plants, beans (snap)—corn planting time, or frost-free date. Squash, sweet potatoes, beans—after soil is warm, week to 10 days after frost-free date.

Some varieties of useful crops that could be included in more plantings

include the following twelve groups:  
**Broccoli**—De Cicco, Italian Green Sprouting.

**Cauliflower**—Early Snowball.

**Hybrid Sweet Corn**—(60-65 days) North Star, Seneca Dawn, Gold Rush; (70-80 days) Seneca Chief, Aristogold, Flagship, Golden Security.

**Eggplant**—New Hampshire, Black Beauty.

**Kohlrabi**—Early White Vienna.

**Head Lettuce**—Pennlake.

**Leaf Lettuce**—Slobolt, Oak Leaf.

**Okra**—Clemson, Dwarf Green.

**Peas**—Freezonian, Lincoln.

**Squash**—Caserts, Butternut.

**Tomatoes**—Hybrids available from most seed firms including Burpee, Stokes, Henry Field, Farmers Seed and Nursery and many others. Try one or two selections that meet your season of maturity needs.

**Watermelon**—Congo, New Hampshire Midget.



"IT IS grass—Let's see that bottle of tonic!"

### Coming, for the Women, March 3

If you're tired of the same vegetables cooked in the same way, read the story, "New Ways With Vegetables," in the March 3 issue of *Kansas Farmer*. There will be a new tested recipe for a vegetable casserole with meat and dumplings, a meal in one. A new one with onions and a cheese sauce will be included.

### Road Improvements Dot All Counties

**D**URING the last 4½ years the county secondary road improvement program has been in operation in Kansas, road construction projects dot each of the 105 counties, reports the Kansas State Highway Commission. Road improvements on 5,175 miles of the more important county avenues have been made. Work has included grading, light-type surfacing, 227 new bridges and even some higher type surfacing on the heaviest traveled roads.

The commission states funds of the secondary road building program come from the added one cent gasoline tax and matching federal funds. Each county receives a share of the state collected tax based on its allotted secondary road mileage. Under existing statutes the added one cent gas tax expires on July 1, 1951, unless the next

legislature wishes it continued for more improvements.

The Commission pays honor to the efforts and co-operation of county commissioners and county engineers. All have worked together for road improvements on more than 20 per cent of the state's 25,000 county secondary road mileage.

### Log Cabin Days

Dear Editor: My farm has been in our family 84 years. My father, Chris Wagner, bought an 80-acre farm in 1886 from Levi Flint, an Indian. He and my mother were married that year and built a log cabin on the farm. They raised wheat, oats, corn and red clover, and a large family.

I remember one year my father planted a field of castor beans. He had quite a time harvesting them as they were a new crop. My father bought the first self-binder in the neighborhood.

My parents lived on the farm 52 years, improving it and adding more land. In 1918 my husband, Charles Kueker, and I bought the old home after my parents moved to Bonner Springs. We lived on the farm 8 years; my husband died in 1926. My youngest son was still at home and he farmed it for me. In 1940 he went into business for himself, buying a telephone exchange. I now make my home with him and his wife. My oldest son farms the place and his daughter is married and lives in the old home. She has a baby boy, my great-grandson, and we hope to keep the farm in the family for many more years. The farm is located near Monticello.—Dora Kueker, Linwood.

(The story of this family farm is another winner in our Family Farm Contest.—R. H. G.)

### Gift for Kansas State College



**F**ORMER SENATOR ARTHUR CAPPER greets Kansas State College president James A. McCain, (left), as the latter accepted FM radio station equipment given the college by Capper Publications, Inc., February 5 in Topeka during a meeting in Senator Capper's office. H. S. Blake, (center), vice-president and general manager of Capper Publications, Inc., also attended the meeting. Capper radio station, WIBW, ceased FM operations several months ago. President McCain commented the gift "represents a very real and fine service to our student body and faculty. The station will be operated by and for the students." Senator Capper stated "we are happy our equipment can be of use to such a fine school as Kansas State College in further developing their facilities." Daily broadcasting will start about March 1, with call letters KSDB-FM. (Topeka Daily Capital Photo.)

### Entertainment Fun

If in need of suggestions for club or school, our leaflet, "Three Smash Hits," includes 3 plays—"Majoreess Bow-Wow's Amateur Hour," 10 characters; "At the Hamburger Stand," 3 characters; "An Old Maid's Club Meeting," 8 characters. Price 10c.

Most clubs need extra money at various times and our leaflet, "Money Makers for Your Club," has interesting suggestions on how the club can make money. Price 3c.

"Big Business, or the Doings of the Culture Club," is another of Kansas Farmer's leaflets we can recommend. Written in poetry, and has 5 characters. Price 10c.

Your order will be given prompt attention. Please address Entertainment Editor, *Kansas Farmer*, Topeka.



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**FARM EQUIPMENT**

**What Dairymen Are Asking**

ONE popular feature of the dairy program during Agriculture Week, at Kansas State College, Manhattan, is the question-and-answer period. Perhaps you will find the answer here to some question bothering you.

*Q. How important is vitamin-A supplemental feeding to young calves?*

A. If the cow is on good feed, she generally supplies enough vitamin-A for the calf's needs.

*Q. If a cow has a second attack of mastitis after the first one is cured, should she be sold?*

A. There is no general rule. It depends on how severe mastitis is and how valuable the cow.

*Q. Is it good practice to pre-milk first-calf heifers before calving to prevent swelling of udder?*

A. No.

*Q. Will 3-time-a-day milking help prevent mastitis?*

A. Yes, but may not be practical from management standpoint.

*Q. Should mastitis-infected milk be fed to calves?*

A. Authorities disagree but there is no evidence calves will be harmed by drinking infected milk. The food value is still present.

*Q. If one or 2 quarters are infected with mastitis should all 4 quarters be treated?*

A. No, only infected quarters.

*Q. Does a mineral deficiency in cow's diet make it difficult for her to be settled?*

A. Not unless deficiency is severe.

*Q. What causes pinkish spots or pockets in sorgo silage?*

A. These pockets occur where packing is not tight enough.

*Q. Is it profitable to heat water warmer than 35 to 40 degrees for dairy cattle?*

A. No, but tank should be protected from cold winds.

**Dehorning Calves The Easy Way**

Dehorning those spring calves can be easily done with an electric soldering iron equipped with a special copper hollow core tip, states Harold E. Stover, Kansas State College Extension engineer. This method is quick and entirely bloodless. When the iron is not needed for dehorning, the regular tip may be placed back on the iron for regular use.

**More Eggs in 1950**

Total egg production in Kansas in 1950 was 2,064,000 eggs, about 8 per cent more than in 1949. This is a recent estimate made by the U. S. Bureau of Agricultural Economics and the Kansas State Board of Agriculture. Baby chicks produced in 1950 by commercial hatcheries totaled 33,295,000. This was a decline of 13 per cent from production during 1949. Chick production during December, 1950, was 470,000, almost 50 per cent above the 5-year (1944-48) average, and a 13 per cent decline from December, 1949.



11-22  
"... And now maybe you'd like some dessert?"



LIFT TYPE DEARBORN CORN PLANTER



**New Handling Speed... New Planting Accuracy!**

The new Lift Type Dearborn Corn Planter can be attached to the Ford Tractor in sixty seconds. Ford Tractor Hydraulic Touch Control lifts it fast at row ends. Check head automatically releases the wire. Semi-automatic marker is a bother beater. Close coupling and fast lifting give quick turn-arounds.

The Dearborn Corn Planter is a real stand getter at practical tractor working speeds! Quality made parts are synchronized for more accurate seed handling from hopper to furrow. Vertical flexibility allows planting at uniform depth in uneven ground to avoid "runty" hills or tardy sprouting.

To convert the Dearborn Corn Planter from checking to hill drop, simply shift a cam. To drill corn, beans, peas or other crops, just move valve levers on planter boots to drill position. Then select proper sprocket and plate —(seventy-seven plates to choose from).

**DEARBORN CORN DRILL PLANTER**

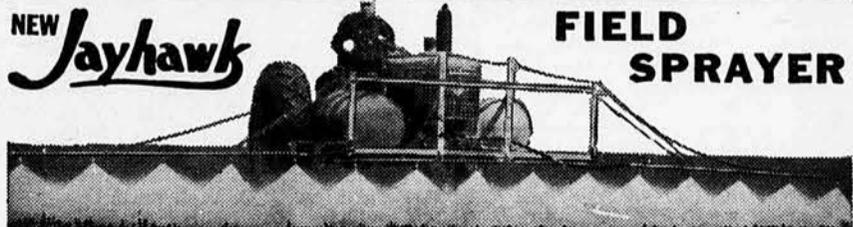
The new Dearborn Corn Drill Planter is a top performer for accurate drill planting of field row crops. See your Ford Tractor dealer for full information on Dearborn Planters.

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GET THE WEEDS • KILL THE INSECTS • WITH SIMPLIFIED, LOW COST



- 1. Oversized bronze gear pump. (1" not 1/2")
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- 3. Senior sized nozzles with non-drip check valves.
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**Made to Attach Quickly, Operate Easily and Cover Any Field or Row Crop Thoroughly**

A practical, efficient machine that the owner of any average sized farm can afford to buy and operate. Has strong welded steel frame, universal hitch, direct power take-off drive and 9-way control of all three booms from tractor seat. Other features at left.

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## Agricultural Week Happenings

... Kansas State College has important job  
in present emergency, reports President  
James A. McCain

**I**NDUSTRY, agriculture and government all are looking to Kansas State College and other land-grant colleges and universities to help solve important problems of the day, says Dr. James A. McCain, president of Kansas State College. He noted this trend in his address to farmers attending the 83rd Agricultural Week, at Manhattan, January 29 thru February 2.

"Research at Kansas State College is especially important during times of emergency," said Doctor McCain. "During the last war much of the research and development of dehydrated foods used by the armed services was done at Kansas State College. We have a real responsibility as far as civilian defense is concerned. We already have started community education for civilian defense thru our Extension Service."

Several state-wide groups held annual elections and recognition events Agricultural Week.

F. J. Raleigh, Clyde, was re-elected president of the Kansas Crop Improvement Association. Other officers re-elected were Otto Eulert, Paradise, vice-president; L. L. Compton, Manhattan, secretary-treasurer, and R. S. Nicholson, Manhattan, assistant secretary-treasurer. Charles Topping, Lawrence, and J. E. Sowder, Toronto, were returned to the board of directors.

Wilfrid Johnson, Garrison, was elected president of the Kansas Hybrids Association for the coming year. H. F. Roepke, Manhattan, is vice-president. Ray Deaver, Sabetha, and H. T. Niles, Lebo, were elected to 3-year terms on the board of directors to replace H. E. Staadt, Ottawa, and O. J. Olfen, Horton. Other directors are C. C. Cunningham, El Dorado; Ralph Hockens, Herington, and L. L. Utz, Highland.

Five Kansas dairy breed associations elected officers during Agriculture Week. The breeds and their new officers are as follows:

**Kansas Ayrshire Club**—Dwight E. Hull, El Dorado, president; Mrs. John C. Keas, Effingham, secretary-treasurer; John C. Stephenson, Downs, vice-president.

**Kansas Brown Swiss Cattle Breeders' Association**—Andy Erhart, Garden City, president; Earl Webber, Arlington, secretary-treasurer; Paul Green, Topeka, vice-president.

**Milking Shorthorn Breeders' Association**—Locke Theis, Dodge City, president; Walter Otte, Great Bend, vice-president; C. O. Heidebrecht, Inman, secretary-treasurer.

**Holstein-Friesian Association of Kansas**—William Beezley, Girard, president; Wilbur Sloan, Cleveland, secretary-treasurer; T. Hobart McVay, Nickerson, vice-president.

**Kansas Jersey Cattle Club**—Boyd Michael, Kansas City, president; John Weir, Jr., Gueda Springs, secretary-treasurer; Jim Berry, Ottawa, vice-president.

Seventy-eight Kansas farm men and women in farm management associations were honored for 20 years of membership. Those honored were:

Mr. and Mrs. G. W. Bennington, El Dorado; Mr. and Mrs. Ernest Briscoe, Winfield; Mr. and Mrs. Walter Hunt, Arkansas City; W. Clarence Fulton, Harper; Mr. and Mrs. Clarence Watkins, Manchester; Mr. and Mrs. J. J. Woodworth and W. G. Woodworth, Crisfield; Mr. and Mrs. Arthur Foley, Cheney; Mr. and Mrs. Kasper J. Kostner, Murdock; Mr. and Mrs. Paul Lindholm, Mr. and Mrs. Frank Young, and Mr. and Mrs. B. T. Robinson, all of Cheney; Mr. and Mrs. Clifford Sparks, Kingman.

Mr. and Mrs. Albert Ottaway, Viola; Mr. and Mrs. C. C. Wehrman, Derby; Mr. and Mrs. Ray Behringer, Wellington; Mr. and Mrs. T. Max Reitz, Belle Plaine; Mr. and Mrs. Charles Rerick, Milan; Mr. and Mrs. John Wade, Mayfield; Mr. and Mrs. Fred J. Hartner, Mr. and Mrs. A. D. Mall, and Mr. and Mrs. E. J. Mall, all of Clay Center; Mr. and Mrs. Henry Buss, Ames; Senator and Mrs. Frank Carlson, and Mr. and Mrs. J. R. Hefner, Concordia; Mr. and Mrs. Merle L. Magaw, Ames; Mr. and Mrs. L. E. Collins, Dwight; Mr. and Mrs. Lawrence Hoover, Junction City; Mr. and Mrs. Ray Bergsten, Randolph.

Mr. and Mrs. John Frey, Mr. and Mrs. Lester Frey, Mr. and Mrs. Herbert Roepke, Mr. and Mrs. Bruce S. Wilson and Griffing Brothers, all of Manhattan; Mr. and Mrs. J. A. Meyer, Riley; Mr. and Mrs. B. W. Roepke, Barnes; Mr. and Mrs. Louis Fiser, Mahaska; Mr. and Mrs. Cecil A. Jones, Hanover; Mr. and Mrs. H. C. McNitt, Washington, and Mr. and Mrs. G. C. Meier, Hanover.

Two men were honored as the 1950 Kansas Premier Seed Growers. They were Herbert T. Niles, Lebo, and George Conrardy, Kingman, as reported to you in your February 3, *Kansas Farmer*.

First place in the Pillsbury state wheat contest was awarded O. C. Stephenson and son, Rozel, by Dewey Walter, Kansas City. Harold Couchman, Garfield, won second place.

The 20 years of Kansas farm management association work spans some interesting agricultural and economic history. During those years, net in-

### Is It True?

Is it true occupants of an automobile are practically immune from being struck by lightning in an electrical storm? Yes, you should stay in your car, says the U. S. Department of Agriculture. However, it is pointed out lightning causes fires in 12 unprotected as against but 1 fully protected building equipped with lightning rods. Lightning rods have been used in the United States since 1752, when Benjamin Franklin went kite-flying.

## Legislative Action Needed To Keep Extension Strong

**U**NLESS the present session of the Kansas legislature takes definite action, there is a possibility of drastically reduced activities on the part of the Kansas State College Extension service on the county level.

What could happen if the legislature makes no new arrangement for fostering Extension on the county level? First, let's assume the state supreme court would uphold the decision made by the Franklin county district court. (This district court held that the county Farm Bureau could not legally collect and pay dues to the Kansas Farm Bureau.) The state Farm Bureau, it could be assumed, would organize under a different name on at least the county level. As now, this would undoubtedly be a dues-paying organization.

But what about the county Extension service? It is assumed that the county Farm Bureau organizations (separated from the state Farm Bureau) would continue to foster Extension. But to foster the services the county Farm Bureaus would need money. Would many farmers be likely to want to continue paying dues to 2 organizations?

### Would Mean Less Money

It is expected county Farm Bureau membership would be seriously reduced when separated from the Kansas Farm Bureau. It is only a speculation, of course. But some sources estimate there would be less than \$100,000 available from county Farm Bureaus in dues money. Others believe the total would drop as low as \$50,000. That would mean between \$150,000 and \$200,000 less on which to operate county Extension work.

Let's go back to 1940. That year there were about 23,000 Farm Bureau members. From these dues-paying members the Extension service on the county level was benefited to the extent of about \$40,000. Last year there were 56,000 Kansas Farm Bureau members. Nearly \$250,000 in county Farm Bureau dues money for 1950 appeared in various county Extension budgets.

Without the help of Farm Bureau dues, some counties could support an



"Dis is Mom talkin'!"

comes have varied from an \$88 loss in 1931 to as high as \$16,142 per farm in the peak year of 1947.

Beginning with a small group of 350 farms in 11 counties in 1931, the farm management program now is part of the Extension Program in every county in the state. In 1950, there were 1,477 farm families co-operating.

Important trends in good farm management thru the years have been concentration of investment and labor on 2 or 3 major sources of income, replacement of small cow herds with deferred-feeding programs, putting soil conservation into practice, and increased yields thru use of adapted varieties and better methods.

### Add Contour Furrows

One new practice is included in the Kansas 1951 Agricultural Conservation Program Handbook, according to the state PMA office. It is "Contour Chiseling or Furrowing Native Grass Pastures to Reduce Water Run-Off and Soil Erosion." Contour furrows or chisel marks are most effective on gentle slopes where they build up an obstruction to catch and hold water that runs down the slope or hill.

Extension program under the present maximum 1/2-mill levy. Some would be unable to increase their programs as they had planned, adding a home demonstration agent, club agent, possibly both. In other counties the total valuation is too low to raise sufficient funds with a 1/2-mill levy. In fact, extra funds from a federal source have been channeled into nearly 23 counties in the state in the past because funds from the 1/2-mill levy were insufficient to support the county Extension program.

Should the state supreme court reverse the Franklin county district court decision, it is assumed that Extension could be supported in the same manner as in the past. However, the legislature is expected to be adjourned long before the supreme court can take action on the lower court decision, either sustaining or reversing the decision. That makes it more urgent that the legislature take action now.

### Kansas Farmer's Report Was Accurate

In a special meeting called at Salina by the Kansas Farm Bureau, its delegates approved a proposal for separating county Farm Bureaus from county Extension work. This proposal also provided for setting up a new agency on the county level to sponsor county Extension work. As reported in *Kansas Farmer* for January 20, 1951, this new agency, or county agricultural Extension council, would be a non-dues paying association.

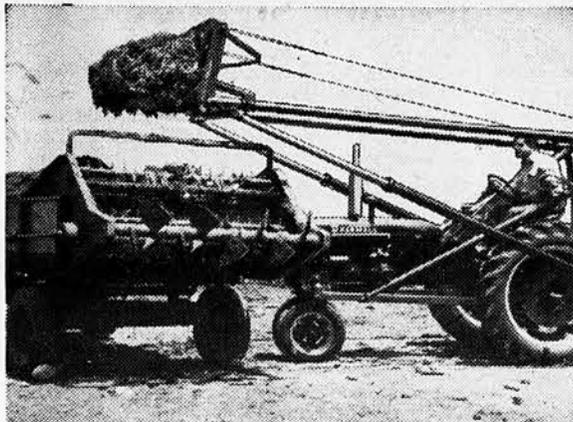
To provide for necessary additional funds, this proposal suggests increasing the maximum levy up to 1 mill where necessary in order to produce sufficient revenue to support county Extension work. It also provides for division of certain properties and funds now controlled or operated from the same county offices.

Regardless of what final action the legislature might take, there will be a certain amount of unrest in virtually all Kansas counties. That unrest will be reflected on the services of Extension. To keep the important arm of county Extension operating efficiently, a rapid and just action by the legislature is important.



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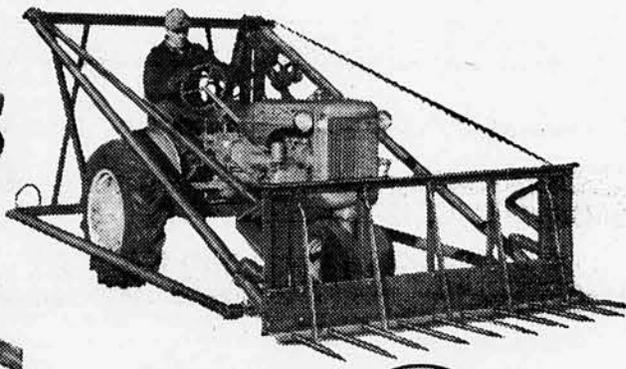
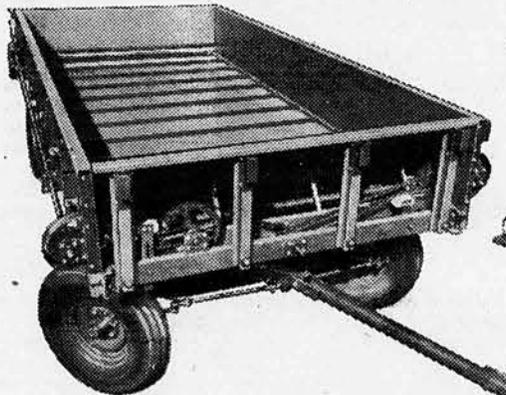
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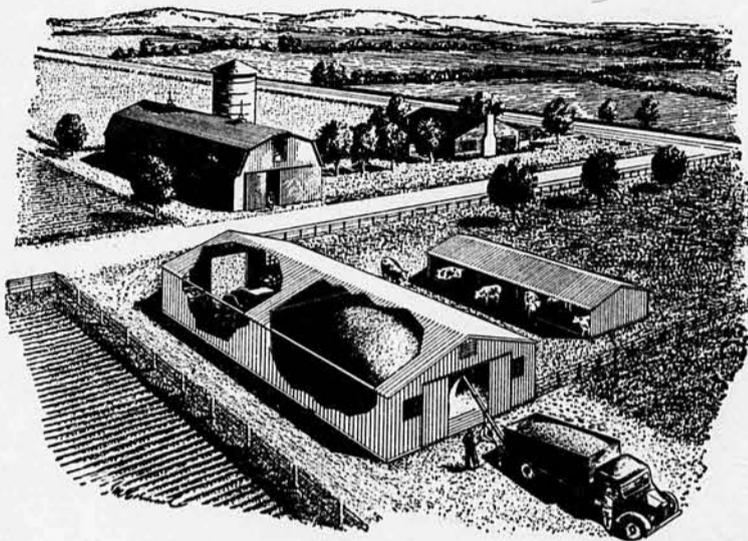
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# Thoughts TO LIVE BY

## Our Daily Bread

THE Supreme Court has ruled the Lord's Prayer can be recited in public schools. The court decreed its concepts are Jewish as well as Christian. Thus it makes a universal appeal to men of faith.

The universality of one of its phrases was impressed upon me in a very dramatic way in New York City recently. I was invited to a demonstration of The Workshop For Cultural Democracy. The meeting was held in the apartment of Mrs. Rachel DuBois, founder of the workshop. There were about 35 people present. It was a cosmopolitan group. There were foreign-born and native-born, black and white, men and women, Christians, Jews, and very likely people who professed no formal faith.

At the appointed hour, Mrs. DuBois asked us to introduce ourselves and tell where we were reared. Then she uncovered several loaves of bread, a loaf from a Jewish bakery, another from an Italian bakery, and a third from a conventional, American bakery. She asked how many had seen such loaves before. Did they bring memories of childhood experiences? Perhaps mother baked bread like that when we were children? Maybe there was once a gnawing hunger that bread helped satisfy? We didn't argue; we didn't discuss; we just shared our thoughts and memories. I had the pleasure of reminding the others of what Kansas contributes to the bread supply of the world. At the suggestion of the leader, some guests related the

symbolic and spiritual significance of bread. Both Judaism and Christianity make rich use of it. Some people sang songs about bread. We discovered there are Negro spirituals and other folk songs as well as hymns about "the staff of life."

Before we knew it, members of the group had thrown away their inhibitions. Nearly everyone participated in this guided conversation. And we discovered how important a role bread plays in the lives of nearly everyone. The demonstration closed by a Jewish girl putting a scarf or shawl on her head, setting candles by the challah loaf and offering the prayer made by Jewish women at the beginning of the Sabbath.

Then Mrs. DuBois, who is a Quaker, explained the purpose and the technic of her workshop. In many schoolrooms, children from various cultural backgrounds make good adjustments to each other, but their parents find it far more difficult to accept one another. Deep prejudices are involved. These are seldom reached by rational appeals for they exist in the realm of the emotions. A group experience such as the one just described can give people a deeper understanding of their neighbors and a new emotional pattern.

There are many other subjects besides bread that can be used such as weather, seasons, anniversaries. Any technic that will bring us closer together is worth studying, for did not Jesus teach his disciples to use the plural pronoun when praying, "Give us this day our daily bread"?  
—Larry Schwarz.

## Here's Wheat Program Growers Want

WHAT kind of wheat program do wheat growers want? Well, here's what delegates to the 2nd annual convention of the National Association of Wheat Growers decided on recently at Dodge City.

A national farm program should embody the following principles:

1. Least possible cost to the government.
2. Least possible government control on how you operate your farm.
3. Parity only on wheat used for food in the United States.
4. Floor under wheat prices in case of emergencies.
5. Maintain productivity of soil for future generations.

Farm organizations generally have done a poor job of public relations, delegates were told, and for this reason the public is blaming farmers for high prices when actually farmers get less than half the food dollar.

### Boost Wheat Use

Because public relations are so important, the National Association of Wheat Growers voted to put 70 per cent of its 1951 budget into helping promote wheat and wheat products in particular, and agriculture in general. All help possible will be given to research projects on production and increased use of wheat.

Herb Clutter, of Holcomb, was re-elected president of the National Association of Wheat Growers. Other officers re-elected were Kenneth Kendrick, Stratford, Tex., secretary; Jens Terjeson, Pendleton, Ore., vice-president, and Herbert Hughes, Imperial, Nebr., treasurer.

Dodge City was selected as permanent headquarters for the organization.

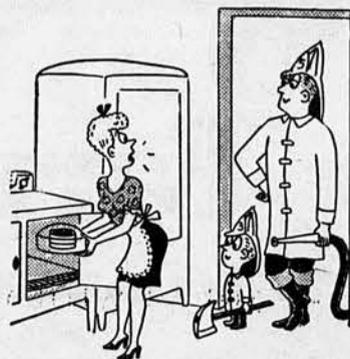
"A scientifically planned rain increasing program applied thruout the 'bread basket' wheat-growing areas would make price controls on wheat

and bread completely unnecessary under the most stringent of war economies," delegates were told by Dr. Irving P. Krick, president of the Water Resources Development Corporation, of Pasadena, Calif.

"The future of cloud seeding to increase natural rainfall is one of the world's brightest promises for peace, once we have regained free access to Communist areas," Doctor Krick said. "Poverty and want are the strongest allies the Communists have. The science of increasing rainfall can turn semi-arid regions into areas of lush plenty."

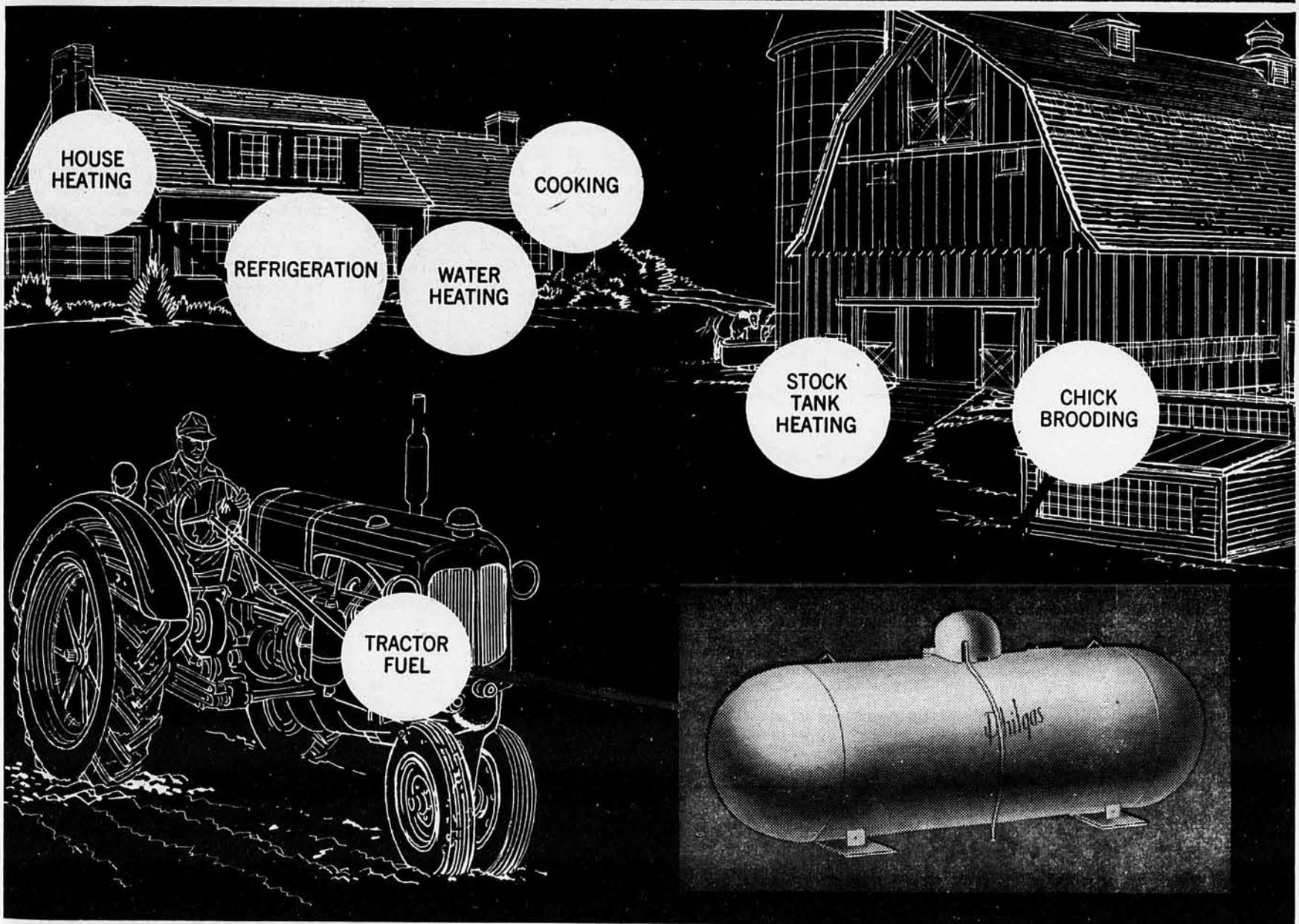
Wheat growers attending the Dodge City meeting seemed mighty interested in the prospects of increasing rainfall in the Kansas wheat-growing areas. Wheat growers in Southwest Kansas now are negotiating with Doctor Krick with the idea of getting a contract for cloud seeding in the area.

A complete story on modern rain-making programs is carried in this issue of Kansas Farmer. It tells how Doctor Krick operates. See it on page 8.



"All right, all right. That was last time!"

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## "Poorer a Man's Cows The More Benefit He Gets"

By DICK MANN



FEW FARMERS are properly equipped to handle dairy bulls. Result is that good bulls are sold too soon. Pens like the one shown here are needed.

LOTS of farmers think they have to own fancy bred cows before they can afford a good bull or belong to an artificial insemination ring. So says Jerry Miller, head fieldman for the Pet Milk Co., Iola. "As a matter of fact," he added, "the poorer a man's cows, the more benefit he gets from good breeding on the bull side. That goes whether he uses a live bull or artificial breeding."

Mr. Miller ought to know, because under his supervision the Pet Milk Co., plant has distributed more than 600 young purebred bulls since 1938 to farmers around Iola.

When he went to work in 1938, the company had just finished an intensive educational program trying to get farmers in its buying area to purchase and use registered bulls.

"Farmers just didn't feel they could afford to use good bulls on low-quality cows," says Mr. Miller. Then came the idea. Why not have the company buy the right kind of bulls in truckload lots and put them out on a minimum cost basis among farmers?

That was the start of the Pet Milk Co., bull program, which has been generally successful thru the years. These bulls are purchased when they are from 5 to 14 months old—preferably 10 months old—and must come from dams with at least a 400-pound butterfat average and from tested ancestry. The young bulls are then kept at the county fairgrounds until placed.

### Pay Actual Cost

Farmers getting these young bulls pay actual cost of the animal to the Pet Milk Co., plus transportation, insurance and feed. The expense of finding the bulls is not included, and farmers are allowed to pay for bulls in 24 equal payments over a 12-month period thru deductions from their milk checks. No interest is charged.

"Since we buy these bulls by the truckload we are able to get a much better price on them than could an individual farmer," explains Mr. Miller. "Besides, a farmer might put out as much as the bull would cost in transportation and lost time while looking for the right one."

Where does the company buy these bulls? "At first," says Mr. Miller, "we bought most of them in Ohio and Michigan. Now we find that breeders in Kansas, Missouri and Oklahoma have just as good young bulls to offer as the larger dairy states. The last 3 years we have bought most of them in or near Kansas."

During the year October 1, 1948, to October 1, 1949, the company placed 76 production-bred bulls in the Iola area. Among these was a son of a Kansas State Champion Guernsey with a high record of 727 pounds of fat in 305 days on 2-time milking. Another was a son of Irene Homestead Colanthe, with 5 records ranging from 512.3 fat to 782.1 fat, and from a proved sire.

What are some mistakes farmers make in trying to breed up a herd of poor dairy cows, we asked? "That's easy," replies Mr. Miller. "I would list the main mistakes as follows:

"Changing the breed of bulls after

pens and other equipment, so are afraid to keep a bull once he becomes hard to handle."

The idea of the Pet Milk Co., bull program is to keep the company's patrons satisfied with dairying. "Farmers aren't happy with dairying if their cows are too poor to show a profit," Mr. Miller points out. "Right now, we are urging all our patrons who will to get into the artificial insemination program. Artificial insemination offers all the advantages of our live bull program, without all the dangers of handling the live bulls."

There isn't any way to accurately measure what the Pet Milk Co., bull program has done for milk production in the area, but here are some facts that will help give you an idea.

The number of cows in the area is about the same now as in 1938, when the program started, and the company has several competitors in the field now that were not buying milk in the area in 1938. Despite these facts, the company bought 59 million pounds of milk in 1948, more than it had ever bought before. The average butterfat content of milk in the area has been raised more than one point. Last year it averaged above 4.1 for all milk purchased.

Just how important production can be to the farmer's pocketbook is indicated by a study of DHIA records



THIS THIRD GENERATION heifer resulted from using a good purebred bull on poor cow. This heifer shows good dairy quality and is in a herd where milk production is being improved thru breeding.

a minor project and who doesn't have a breeding program is the man who will gain most from artificial breeding," says Mr. Miller. "Another type of farmer who will profit most from artificial breeding," he adds, "is the farmer who has a good beef bull and doesn't feel like he can afford to keep a good dairy bull, too."

"I probably would have used a beef bull or stayed out of the dairy business if it hadn't been for the Pet company bull program," states Dale Efin, who has had 3 of the company bulls. His present young herd sire is a double grandson of Meadow Lodge Favor, a bull used by Kansas State College on the college herd 2 years. Meadow Lodge Favor was a son of King of the Meads, one of the best-known bulls of the Guernsey breed.

Ted Henegar, another customer, also has used 3 of the company bulls. He started with a conglomeration of cows that were part beef, part Jersey and part Holstein, he says. "I used good Holstein bulls 3 years then went to a whiteface bull so I could sell all the calves," reports Mr. Henegar. "That set me back several years on my herd improvement program. I've been using highly-bred dairy bulls again, tho, for the last 6 years and the herd is showing decided improvement in uniformity. Milk production has increased at least 50 per cent since I started. I used to milk a barnful of cows just for the fun of it."

### A Mighty Good Bull

Present herd sire in the Henegar herd is a young Holstein sired by Colony Vronka Sir Hengerfeld 35. His 3 nearest dams averaged more than 900 pounds of butterfat. "This is one of the best bulls we ever brought into the county," says Floyd Seyb, company fieldman.

Mr. Henegar is sold 100 per cent on the company's bull program. "It might take weeks of my time to find a bull as good as this one," he points out. "Then, too, a lot of us farmers don't have enough experience in buying good bulls to get the quality we need."

When we were at the Henegar farm we noticed that only one of the 9 new heifers in the lot still shows definite signs of beef breeding. In other words, Mr. Henegar has about wiped out his lapse in the breeding program during the last 6 years.

O. C. Jackson is another well satisfied customer. He has used 4 company bulls. "My cows at the start were very poor and of every conceivable kind," he recalls. "I've had a big increase in milk production and the looks of my cows is much improved. I let my son Conrad take his pick of half the herd in 1945 and he now has the top half so I'm working with the poorest cows of the bunch."

Mr. Jackson's present herd sire is a young Guernsey sired by Meadow Lodge Kings Gladiator, whose 6 nearest dams averaged 680 pounds butterfat on twice daily milking. "I couldn't afford to go out and hunt for a bull of that quality," comments Mr. Jackson.

Many customers who have been benefiting from the live bull program sponsored by the company now plan to change to artificial breeding. "I hope they take us clear out of the bull business," says Mr. Miller, "but I know they won't. We always will have a few farmers who will prefer live bulls and so long as they do we will try to find them."



MORE THAN 600 highly-bred purebred dairy bull calves have been purchased and distributed to farmers since 1938 by the Pet Milk Co., Iola. Shown here with a shipment of bull calves is Floyd Seyb, Pet fieldman.

the cows are bred up several generations to one breed. Farmers should never change breeds once the improvement breeding is started, as changing breeds destroys what uniformity you have attained in the offspring.

"Another mistake is in not keeping a good bull long enough. A lot of farmers let their bull run with the cows and then send him to market at the first sign of meanness. Many never keep a bull until his daughters come into production. This is a costly error if the bull is a good one.

"A third mistake is that few farmers are equipped to properly care for a mature dairy bull. They lack safety

for 1948. These records show that a cow producing 100 pounds fat a year returned \$16 over feed cost and nothing for labor. A cow producing 200 pounds fat (which is above the Kansas average) returned \$110 above feed cost and paid 37 cents an hour for the 120 hours labor required during the year. A cow producing 350 pounds fat returned \$223 above feed cost and paid \$1.17 an hour for labor.

"The average of 350 pounds of butterfat a year is within the reach of every Kansas farmer who uses a sound program of breeding, feeding and weeding," says Mr. Miller.

"The farmer owning 5 or 6 cows as



**Q. How about corncob meal versus shelled corn for fattening cattle?**

**A. There's little or no food value in cobs, but they have a very beneficial effect in helping rumination and better utilization of grain. In a deferred-feeding program, however, shelled corn should be fed at least the last half of the feeding period.**

**Q. Is anything new being planned on control of Tb. and Bang's?**

**A. No. Tb. is being well taken care of under present regulations. Farmers who follow a plan of vaccination, sanitation and good management have the answer to Bang's.**

**Q. When full-feeding cattle is it practical to have a hog-breeding program that will allow pigs to follow cattle in the fall?**

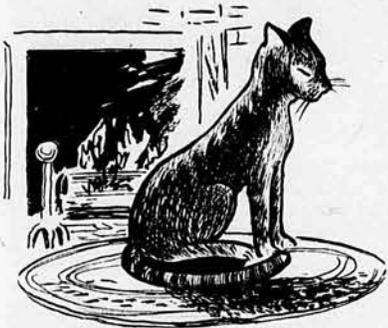
**A. Such a program requires late-spring farrowing. Cheap gains can be had from this practice but care must be taken to keep hogs out of cattle feeders.**

**Q. What kind of farm work comes under the new Social Security program for farm employees, which was effective January 1?**

**A. Raising and caring for livestock, poultry, bees, etc.; cultivating soil; raising or harvesting any agricultural crop; general farm work, such as caring for tools and equipment; clearing brush, or managing farm; preparing, processing and delivering agricultural products to market or storage; clerical or bookkeeping work; household employee; and operating or maintaining ditches, reservoirs, etc., used exclusively for farming purposes.**

## Weather Made Record During 1950

**E**XPECT rain if cows try to scratch their ears. **E**XPECT snow if cats sit with their backs to the fire. **E**XPECT storms if aspen leaves shake in warm weather or if birds stop singing. **E**XPECT cold if pigs grunt and cluster together or if prairie chickens move into creeks. **E**XPECT a thaw if cats



Expect snow if a cat sits with its back to the fire.

wash their faces or if old sheep lose their appetites. . . .

These are only a few of the "home-grown" methods of weather forecasting. And judging from the unusual and odd weather in Kansas in 1950 many a "sign" must have been used overtime! Several weather records were set in 1950 to make it one of the most interesting weather years in the history of the state.

The year 1950 averaged the coolest since 1929. July precipitation broke all records for the wettest month in Kansas since 1887 and, together with the second wettest August of record fol-

lowing, made the wettest 2-month period in the state's history.

Several localities experienced heavy 24-hour rains of near 10 inches or more, especially near Burr Oak, Dorrance, Dodge City, Ashland and Quinter.

July, 1950, was the coolest July on record. The state received the least amount of 100-degree weather since 1915. Temperature extremes were 27 degrees below zero January 26 at Oberlin and 110 degrees on June 24 at Bison and Lincoln. Freezing temperatures were reported in 9 months of the year.

Last year was noted for lack of snowfall. Average snowfall was 6.2 inches or 11.6 below normal. Only 2 previous years reported less snowfall. The northern portion of the state received the most snow in March.

The dry spring retarded crop growth until frost danger had passed. No freezing weather occurred until late October or early November. Favorable weather conditions produced the largest soybean crop on record and the best corn and grain sorghums crops since 1944. Heavy rains caused deterioration of wheat and interfered with harvest. Adversities of weather caused damages totaling more than 11 million dollars.

And to top all these records, here's the most comforting fact of all—the sun shines on Kansas an average of 204 days every year, according to the Kansas Industrial Development Commission, Topeka. As a consequence, Kansans enjoy one of the best public health records in the nation. "The people just naturally feel better, work better, and live better and longer."

## Farm Thievery Increases; Much Livestock Stolen

**D**URING January and the latter part of 1950, farm thievery was on the increase as indicated by reports coming from members of *Kansas Farmer Protective Service*. Livestock was first in demand by these prowlers bent on getting something for nothing, but other property, too, was acceptable to them.

Several theft reports were broadcast, some arrests were made, one reward has been paid and other applications are being considered.

### This Property "Lost"

Some of the service members reporting and the property they lost were as follows: Dean A. Bailey, Scranton, 2 head of Hereford cattle; Theo Biederman, R. 2, Independence, money and 17-jewel watch; A. B. Carpenter, Mulberry, type of property not mentioned; C. H. Clark, Alta Vista, saddle; C. J. Davis, Holcomb, car; Mrs. W. F. Elkins, R. 1, Lawrence, General Electric sweeper and Zenith radio; W. J. Heywood, McLouth, saddle; Mrs. Emma O'Conner, Salina, money.

Mrs. Carl Lewis, Onaga, chickens; Mary Maines, Piper, TV set; Frank Meier, Jr., Alta Vista, 14-foot steel yard gate; George Mongold, Perry, 60

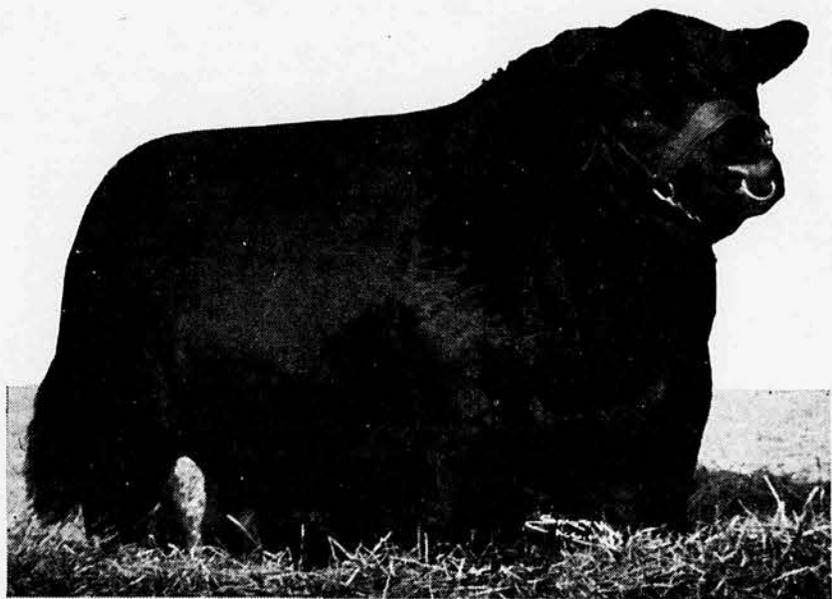
bushels corn; Powell Stout, R. 1, Wells, large pile of junk iron; Mrs. Anna M. Palmer, Arkansas City, 2 batteries; Mrs. Lou Perry, R. 1, Independence, model A Ford and 2 guns; Henry Richardson, Rantoul, a quantity of corn; L. M. Shufelberger, Haven, heifer calf; Alex Sabin, Bigelow, whiteface heifer strayed or stolen; Lloyd W. Wallgren, Phillipsburg, a bird dog.

*Kansas Farmer Protective Service* has a standing offer to pay a reward for conviction and sentence to prison of anyone who steals from a posted farm.

### Received \$50 Reward

In acknowledging receipt of a reward recently Roy Frey, Silver Lake, said in a letter to the Protective Service: "I received the \$50 reward check you sent me for the capture and conviction of the thief who stole my 410 shotgun. I gave \$10 to each of the 3 county officers who did such a splendid job catching the thief. I surely thank the Protective Service very sincerely for its prompt service and interest in the case."

See the Capper representative in your county for further details about the operation of the Protective Service.



## Grand Champion Angus

Elban Bardolier 3rd, Grand Champion Angus Bull of the El Jon Farms in Rose Hill, Iowa, owned by John A. and Elliott Brown. An outstanding herd-sire, Elban Bardolier 3rd was named Grand and Supreme Champion at the Futurity Show held in Lexington, Kentucky; Grand Champion at the Des Moines, Iowa State Fair, 1949-50; Grand Champion at The American Royal Livestock Show in Kansas City, 1950 and Grand Champion of the National Angus Show, held recently at the Grand Nation Cow Palace, San Francisco, California.

### HI-V-I is a Champion Among Motor Oils!

HI-V-I has the stability it takes for efficient lubrication at extreme temperatures. Cold engines need its instant lubrication flow to prevent damaging friction . . . later in the day they need its rich, full-bodied flow at higher temperatures. Try this real Champion among motor oils today . . . get complete protection with HI-V-I.



A Product of  
The Champlin Refining Company, Enid, Okla.  
Producers, Refiners, Distributors of  
Quality Petroleum Products Since 1916

**THIS FARM PROTECTED**

**Kansas Farmer**  
ARTHUR CAPPER PUBLISHER

**PROTECTIVE SERVICE**  
DIVISION OF

**CASH REWARDS**      **ALL PROPERTY MARKED**

**.THIEVES**      **BEWARE**

**CAPPER'S NATIONAL PROTECTIVE SERVICE ASSOCIATION**  
TOPEKA KANSAS

KANSAS FARMER Protective Association gives you an added chance to bring to justice those who prey on your livestock and equipment. Be sure you have this protection.

## MAKE A BIRTHDAY GIFT to Crippled Children

The Capper Foundation for Crippled Children, Topeka, Kansas

◆◆◆◆◆

**DIAMOND TOP**

◆ SYMBOL OF QUALITY ◆

**TONGUE-LOCK**

**Concrete Stave Silos**

**QUALITY IN PRODUCTION**

**IN ERECTION**

**WIDE HINGED DOORS**

**LIBERAL DISCOUNT ON**

**EARLY ORDERS**

**McPHERSON CONCRETE PRODUCTS Co.**  
904-1126 W. Euclid St., McPherson, Kan.

**KOSCH FRONT MOUNTED MOWER**

You've always wanted a Front Mounted Mower. Now it's here. With a Kosch, you see where you're going—see where you're mowing. Mount in a few minutes. Never before has mowing been so fast and easy. All points of wear are Standard IH parts, including bar, sickle and pitman. Thousands satisfied users. Learn why KOSCH MOWER is Best. Available for Farmall, John Deere, Allis Chalmers, Ford, Ford-Ferguson, Ferguson, and other make tractors. Get all the facts. Specify make and model of tractor. Write for FREE literature today.

**KOSCH MFG. CO., Dept. E-7, Columbus, Nebr.**

# Now That You Have Electricity

An electrically-heated foot warmer comes to our notice as a tonic for chronic cold feet. It looks like a footstool, has all the uses of a footstool of rather elegant design, walnut trim, velvet upholstery, but also will turn out some radiant heat from an electric element. Some Eastern Kansas folks might find it a comfortable place from which to view television.

Electric blankets are wonderful items to induce restful sleep by remov-

ing need for heavy bedclothing. But why not bring one out to the big easy chair for a cozy evening of reading or darning or just snoozing? Or put it on the floor to furnish a warm spot for the pre-crawler tot.

This might be a good spot to insert reminders about caring for electric blankets. They come to us direct from the manufacturer. Don't store blanket in naphthalene moth flakes. You can wash it as you would any fine blanket

by using lukewarm water, mild soap and lots of suds. Three minutes is maximum time it should be in suds after which you should squeeze, rinse and stretch the fabric. It should be hung lengthwise to dry with an occasional change of position. But it shouldn't be dry-cleaned and pins and needles are harmful . . . all of which is scarcely more than ordinary blanket care, anyway.

Don't forget there are heating panels that can be installed in hard-to-heat rooms to supplement the central heating unit. And there are forced-air portable heaters that combine heat elements and an electric fan. Don't forget heating pads, either.

It won't be long before you can take that electric heating cable from around the water pipe it is protecting and use it in your hotbed. Burying it according to directions, this cable and a small amount of electricity will keep the earth around new roots warm enough to induce good growth and keep you ahead of the markets.

A new way of installing convenience outlets in a room involves a ready-made strip that is fastened around the baseboard. Every few inches are 3 slots into which the appliance or lamp cords can be plugged. The 3 slots provide a choice of whether the device will be controlled from a switch or will run without interruption, such as a person would want for clock or radio.

Hot water now can be provided by a plug-in electric heater that attaches to any sink or tub faucet. The photo and information we saw gave impression the device is size of a quart canning jar.

This column has mentioned electric sanders and polishers that have come on the market, but these mostly have been of the commercial variety. More recently there have appeared some home models that perform within home limitations, doing such duties as polishing car surfaces, furniture and silverware as well as sanding woodwork.

Recently developed is a screw-in fluorescent unit for standard lamp socket to adapt this newest means of illuminating without needing special fixtures.

Engineers tell us that, theoretically at least, a light bulb could be made that would burn continuously for 1,000 years. As a lighting device, however, it would be useless because the amount of illumination it would provide would be less than that of a firefly. This paragraph we hereby place in our department of unessential information.

Here's one that answers a lot of ranch problems. It is a remote-control gate opener to enable the driver of a car, truck or tractor to operate the gate without stopping the vehicle. A button on the dashboard operates the gate mechanism by radio impulses, saving considerable dismounting and stopping time in any large operation.

For those who might like to do some replating of old silverware, gold, nickel, brass, tin, copper, cadmium, jewelry, and other items, a portable electroplating set is being offered for home hobbyists.

It may be possible before too long that someone may develop a universal electric farm device that will count and classify a variety of products. Manufacturers now are using electronics to perform these tasks and we can see



"He went that-a-way!"

where apples, for instance, might be counted, then classified by weight and color all by a simple machine.

There's a magnetic switch that can be set in dirt, gravel or cement driveways. When a car passes over it causes a bell to ring in the house as a warning to light up for guests, or as a safeguard against prowlers.

For the woman who likes to sew, electric scissors have been introduced that cut out a lot of thumb exhaustion. The unit weighs about 15 ounces and will cut any material around the house.

Here's another use for the fan-type electric heaters which were discussed in the column earlier this winter. Use it for rapidly defrosting your home freezer. A very few minutes of heat applied to the walls will loosen the ice and put the box back in use in much shorter time, it has been suggested.

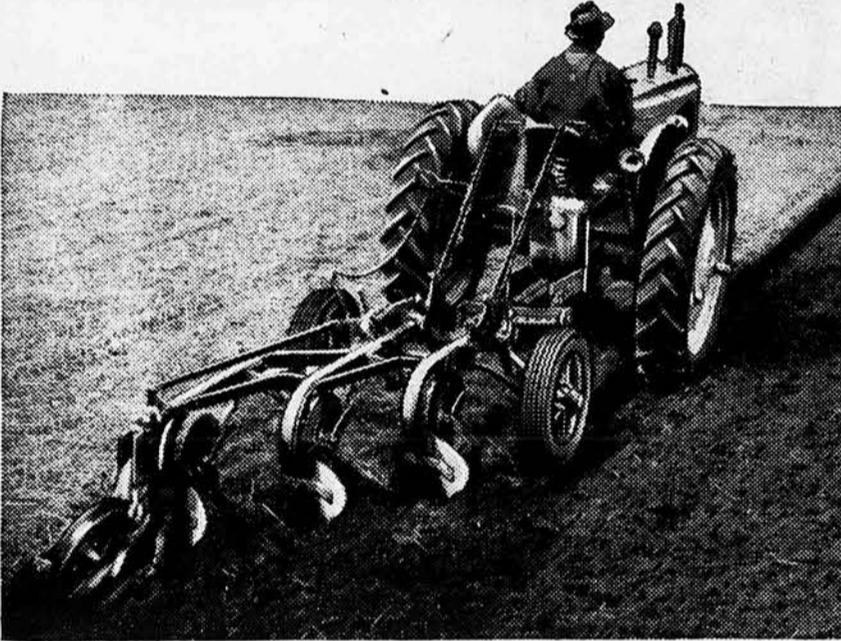
We have met some farm folks who recently were connected to the high line. One of their first purchases was a home movie outfit, complete with projector; screen and camera. They like to travel, their children are active, and a permanent record of their family is very desirable. Few days go by without some sort of show, and we venture this is not an uncommon event in Kansas.

In a recent magazine article, something new in cooking was introduced. A new lamp becomes the heat source in this arrangement and delivers infrared radiation as soon as the power is applied. The extra-tough bulb resists the effect of cold liquids that might fall on it altho a translucent stove lid provides the surface for the pots and pans. And the manufacturer proposes that this bulb might replace new and old heat units in electric ranges.

Read the other day of a farmer using a light bulb to keep his automatic chicken waterer from freezing. By installing a waterproof socket in a tile on which sits the water pan, the bulb heat will maintain sufficient temperature for 4 or more inches of water, according to the story.

This column has remarked to the ladies about using heat lamps or infrared lamps for drying hair, and about using warm air space heaters that have a fan. Newest hair-drying device, however, involves a tank-type electric vacuum cleaner and a special cap which fits the head above the hair line. A tube brings air from the cleaner to cap and circulates it around the hair, no heat, no hands.

# Plowing is Easier, Faster with a Massey-Harris No. 28



It's the big favorite with plowmen everywhere! The Massey-Harris No. 28 gives you a high-speed plow that does a better job of plowing faster . . . more economically.

From hitch to tail wheel, the No. 28 is built to meet today's plow requirements. Its modern design gives you a heavy-duty plow with an amazingly light draft. Streamlined, slow-rolling moldboards reduce drag, make it an easy-pulling plow that helps you make better use of your tractor's power . . . save fuel, cut plowing costs.

Its patented *Constant Clearance Lift* automatically raises the bottoms 7 1/2 inches above the ground regardless of the depth you're plowing — assures you good clearance. Control levers are mounted in an easy-to-reach position. Sturdy, *X-type frame bracing* holds

the No. 28 in perfect alignment . . . protects it against the rough twists and strains of high-speed plowing. Long-wearing, *cone-type wheel bearings* are easily adjusted to give you true-running wheels for the life of the plow.

There's a No. 28 for your specific soil conditions . . . to fit your tractor. You have a choice of 2, 3, 4 or 5 bottoms — with 12, 14 or 16 inch shares. Have your dealer explain the exclusive Massey-Harris features and practical improvements on the No. 28 and you'll see why it's the plow preferred by champions!

For details on the complete line of Massey-Harris plows, tractors, combines and equipment, ask him for a copy of the Massey-Harris BUYERS GUIDE . . . or mail coupon below.

**Make it a Massey-Harris**

THE MASSEY-HARRIS COMPANY, Quality Avenue, Racine, Wis., Dept. B-75  
Please send me a free copy of the Massey-Harris Buyers Guide which illustrates and describes the entire Massey-Harris line of farm machinery.

Name .....  
Town ..... R.F.D. ....  
County ..... State .....

**MAIL THIS COUPON**

## Watch for These, March 3

### Push-button Farming . . .

- Handiest thing on the farm is electricity, say many folks. Yet we have merely scratched the surface using it. See how many ways it can be used in next issue of *Kansas Farmer*.

### Those "New" Vegetables . . .

- A farm woman was asked, "Are you going to raise those new vegetables again this year?" Then she got to wondering just how new they really are. In March 3, *Kansas Farmer* she will tell you.

### What Do We Know About Red Sindhi Cattle? . . .

- Mule-eared, hump-shouldered dairy cattle! How would you like them on your farm? Well, sir, the experts have something to tell you about them in your March 3, issue of *Kansas Farmer*.

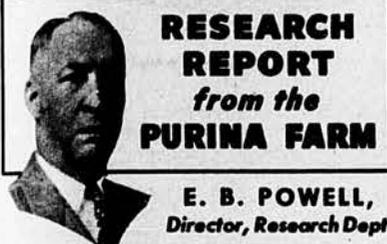
# PURINA CHECKERBOARD NEWS

FROM YOUR PURINA DEALER WHO IS LISTED ON THE BACK



## LISTEN TO THESE CHECKERBOARD RADIO PROGRAMS

WIBW, Topeka — Wes Seyler with Noon Markets, Mon. thru Sat., 12:20 p.m.  
 Wes Seyler "Sunday Farm Forum," Sun., 8:00 a.m.  
 KFH, Wichita — Bruce Behymer, Mon. thru Fri., 6:15 a.m.  
 KMBC, Kansas City — Ken Parsons' Farm Feature, Mon. thru Sat., 6:10 a.m.



### RESEARCH REPORT from the PURINA FARM

E. B. POWELL, Director, Research Dept.

#### Razorback Sows Have Big Litters When Properly Fed

Last spring 8 typical razorback sows were bought way back in the Ozark hills. The heaviest sow weighed less than 225 lbs., the lightest 112 lbs. All had farrowed at least once, but not one had ever farrowed more than 6 or 7 pigs.

At the Research Farm they were bred, then were fed a conditioning ration of Purina Sow & Pig Chow and grain. During gestation they gained an average of 225 lbs.



Ozark sow on arrival at farm



Same sow before farrowing last fall

At farrowing time last fall one sow had 15 pigs. The smallest number was 9, with an average of 12. There weren't enough "faucets" for all, but the 8 sows took care of 72 pigs, while 6 others were raised on bottles.

You'll want a complete report on these sows and their litters a little later. Already this work has shown what can be done with ordinary stock on an ordinary farm where the Purina Hog Program is followed.

#### Birds Bred for Meat, But Lay Well, Too

The New Hampshire flock at the Research Farm is from a strain bred for meat, but records show they can lay, too. From 5 months of age through 6 full months of laying these pullets averaged 58.2% production, without one bird being culled. Throughout this period the eggs averaged 93% fertile, with a hatch of 86.6% of all eggs set.



## "I'VE NEVER ACTUALLY SEEN A BROILER!" says Harold Kennedy, Kansas Broiler Operator

"I've got a system," said this Baldwin City, Kansas, farmer as he opened the door of his 5,000 bird broiler house. "Got to or I couldn't make a go of it"

**H**AROLD KENNEDY lost his eyesight in a blasting accident when he was twenty years old. Now, after a quarter-century, he's self-supporting. He has tackled a big job . . . raising five thousand broilers four times a year. With the help of his brother who turns the 3-inch litter of ground corn cobs and wood shavings and checks for ailing birds, he's making about \$5.00 an hour labor profit.

"After talking with a lot of people and chasing around a lot, I

decided there was a future for me in the broiler business. I finally had a chance to make something for myself. I felt confident of success from the beginning and believed this was my chance to help some other handicapped person get on his own," said Harold.

Doing his own work is a real thrill, he states. Without the use of eyes, he opens feed sacks, loads his feed wagon and fills the feeders. Then, each night he cleans, disinfects and refills the waterers. When asked how he disposes of the old litter at the end of each growing cycle, he laughed, "There's a shovel back there with my name on it. I shovel it out and a fellow hauls it away to be used as fertilizer right here on the farm. In that way, I'm helping improve our farm." Kennedy's mother and two brothers manage the home farm.

Kennedy is a Purina Program feeder. His broilers are started on Purina and finished on Purina. He uses Purina equipment, Sanitation Products and feeding programs. He buys his chicks from his Purina Dealer who helps him market them at the end of each period. This service helps Harold Kennedy do a top job.

To control coccidiosis, Kennedy feeds a sulfaquinoxiline-Broiler Chow mixture. Stampedes, a common cause of smothering, are in part prevented by the use of a radio playing day and night in the house.

Proof that Kennedy is doing a fine job raising his broilers is shown through his low death loss and high feed conversion ratio. He lost less than 3% of the chicks started and raised broilers averaging 2 lbs. 14 oz. in 9-10 weeks on a little more than 9 lbs. Purina Broiler Chow.

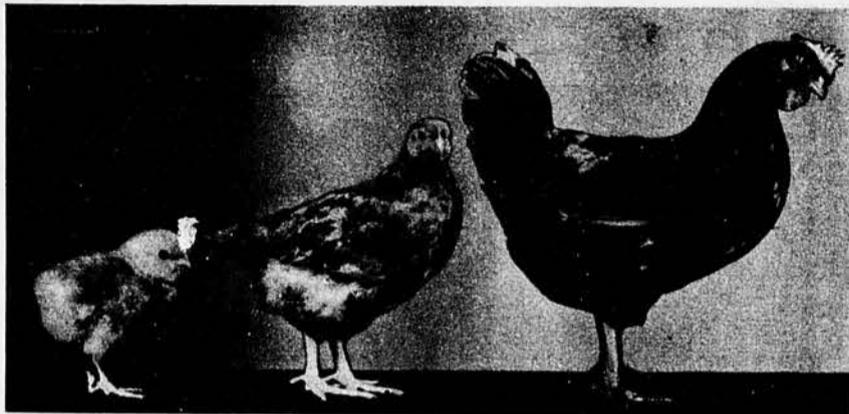
Harold shrugs his shoulders when complimented on the spunk he shows and the job he's doing. "There's no reason why any other handicapped person with sufficient financial backing, a lot of persistence and a little know-how can't do as well. You know, it does take help to get along. Also, it takes a complete program from buying through marketing plus a sound management, sanitation and feeding program for success," said Harold Kennedy, who raises 20,000 broilers yearly, but has never seen a broiler.



Here's the cement-block house where Kennedy raises 5,000 broilers 4 times a year. Ventilation is excellent, litter remains dry and everything is right where this blind operator can reach it.

# FORMULA "1028"

STEPS UP PURINA'S STARTING AND GROWING CHOWS FOR CHICKS AND PULLETS FOR 1951



Faster growth from chick to 5 weeks on Startena with "1028". Bigger, better-developed pullets by laying time on Growena with Formula "1028."

Ever since the earliest scientific discussion of the miracle growth promoters, variously described as Antibiotics, Vitamin B<sub>12</sub> Supplement (formerly APF), and Growth Vitamins, these products have been under test in Purina Laboratories and at the Purina Research Farm.

## HOW PURINA RESEARCH DEVELOPED

## FORMULA "1028"

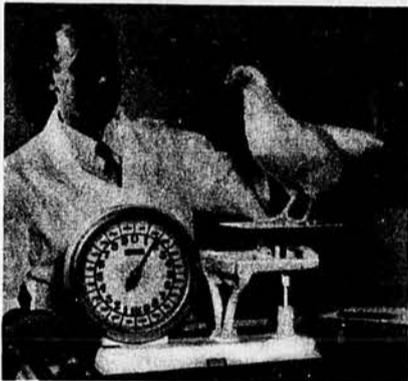
### ...AND WHAT IT MEANS TO YOU

by Wm. C. Sherman, Ph. D.  
Head, Purina Biology Dept.

The Antibiotics, Vitamin B<sub>12</sub> Supplement, and Growth Vitamins are very complex in their action. Chicks respond best to one combination, poults to another, pigs to another, etc.

As a result of 1028 tests involving thousands of chicks, we have Formula 1028 on which chicks grow faster and feather better than on any formula tested without the

magic promoters. The pullets are bigger. 571 tests with poults resulted in a formula with startling growth differences. Numerous other tests were with pigs and growing pullets and broilers. Without our knowledge gained from these feeding tests, we might have made mistakes that would be costly to our feeders.



magic promoters. The pullets are bigger. 571 tests with poults resulted in a formula with startling growth differences. Numerous other tests were with pigs and growing pullets and broilers. Without our knowledge gained from these feeding tests, we might have made mistakes that would be costly to our feeders.

# HOME HANDIES



Cold lard won't clog the blades of your electric mixer if you warm the blades in warm water for a few minutes before starting to mix.



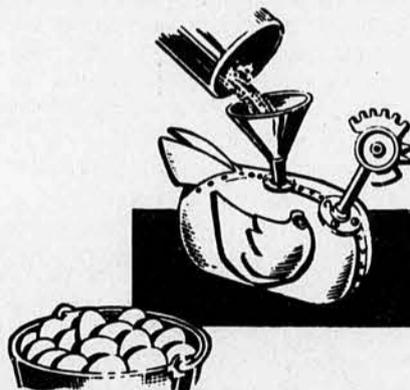
Teach the children to put eggs in the case small side down — always. Tests show that eggs packed small side down grade higher and bring higher prices than those packed incorrectly.



When using foods from your freezer, be sure to leave them in the container until they are completely thawed. Taking them out sooner may cause them to turn dark and lose flavor.



Want to help someone else with your own handy hints — and win \$5.00? Just send your favorite hint right away to Home Handies, Ralston Purina Co., St. Louis 2, Mo., and if it's printed here we'll mail you a \$5 check right away.



Plan to raise every chick. Naturally there will be some loss, but with good chicks, good management and good feed your losses should be small. Many good poultrymen figure there'll be one to cull for each one that dies. Don't keep birds that should be culled, but handle your birds so there will be fewer culls.

# PURINA CHECKER



## DOES IT PAY TO BUY GOOD CHICKS?

Of course it does. Unless your chicks live and return a fair profit over their cost plus cost of the feed they eat, you will soon be out of the chicken business.

Good pullets are bred to develop quickly and to lay lots of big eggs. Chicks bred for meat must return a high per cent of meat from the feed

they eat. They grow big frames, feather rapidly and grow uniformly.

A difference of just one egg per pullet in a year, or of an ounce or two on a 3-pound fryer, would escape ordinary notice, but it's difference enough to offset the difference in cost of a truly good chick and an ordinary one.

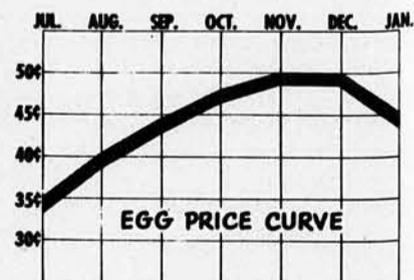
## IT'S EGG PLANNING TIME

By JOHN HOFF  
Purina Poultry Field Specialist



It's planning time for next fall's eggs, so I'd like to suggest some factors for your special consideration.

Plan for enough pullets. Profits from just one hen are never large. A small flock requires almost as much work as a larger one. Think of each chick as a potential egg machine. Develop her so she'll live up to your expectations.



Get eggs when they count most. You know egg prices in September, October, and November are always good. Get your chicks early and grow them out so they'll be ready. Plan to get all the eggs your birds are bred to lay.

FEB 19 1951

## ACTUAL PHOTOGRAPHS OF PIG EMBRYOS DEVELOPING THROUGHOUT GESTATION



### SAVE A PIG

By  
**C. R. BANKHEAD**  
Livestock  
Specialist

Saving pigs is like putting money in your sock. A helpful hint or two at the right time often means the difference between a pig saved or lost.



#### SCRUB THE SOW

Cleaning her up and providing warm, clean

farrowing quarters pay in live pigs. Brush the loose dirt off and scrub with a brush and warm, soapy water.



#### CLIP NEEDLE TEETH AND DISINFECT NAVEL CORD

As pigs come, clip the cord and dip in iodine to stop infection. Using clippers on needle teeth prevents injury to sow's teats.



#### GUARD RAILS

Rails placed 8-10 inches from the wall and floor will save many pigs from being mashed by the sow.

#### A SHOVEL OF SOIL



A shovel of good, clean soil placed in the pen every day or two will allow pigs to root... helps prevent pig anemia, a pig killer.

None of the above tips will guarantee success or prevent all losses. When a part of the 4-Square Purina Hog Program, however, they may help you save pigs... raise pigs... save yourself some money.

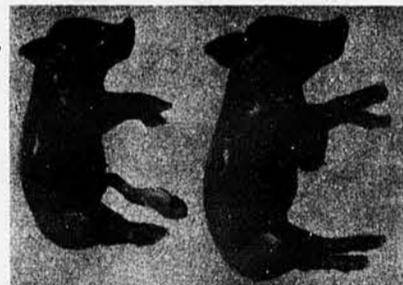


30 DAYS 60 DAYS 80 DAYS 90 DAYS 106 DAYS

The above photographs show how pigs develop inside the sow. These Purina Research photographs are the first record of pig embryo growth taken at regular intervals during the gestation period.

The comparison of the size of the embryos above points up the tremendous job the brood sow must do. She has to grow and farrow 9, 12 or more pigs twice yearly. In addition, she has to keep up her own body condition as well. Growth and development such as this put a big drain on the sow's system. Keeping her condition and supplying these fast-growing embryos with the nutrients they need makes the amount and kind of feed your sows get an important consideration. A poor sow ration is sure to result in small litters, dead or runty pigs.

Authorities estimate from 20-33% of all embryos are lost before farrowing. Up to about 60 days after gestation begins, embryos that have



What a Difference Ten Days Makes! Proof of the fast growth and development in only 10 days is shown in this picture of 80- and 90-day embryos. And remember, 10 or 12 other pigs are growing at the same time.

not received enough nutrition are resorbed into the sow's system or walled off as foreign objects and never born. So an unbalanced sow ration may cause pig losses even before pigs are born.

These pictures prove that growth and development continue right up to the day of farrowing... show the never-ending need for sow nutrition.

Purina Research shares the information gained through these many pig embryo studies in a film, *A Trip Through a Pig Factory*, which shows complete embryo development in natural-color slides.

Ask your Purina Dealer when he is going to show this film in your area, then plan to attend.



Only 2 to 4 days before birth! This little fellow is just about ready, but he's still not completely developed. The only hair visible is around the mouth and snout. Feet and mouth are not fully formed. The need for nutrition never stops!

### FREE TO YOU!

#### Purina's New Book... "A Trip Through a Pig Factory"

This book shows a selection of colored photographs of pig embryos and offers helpful information on hog management and feeding. It's available to you FREE!

Clip the coupon, fill in your name and address, and mail. Your book will be sent promptly.

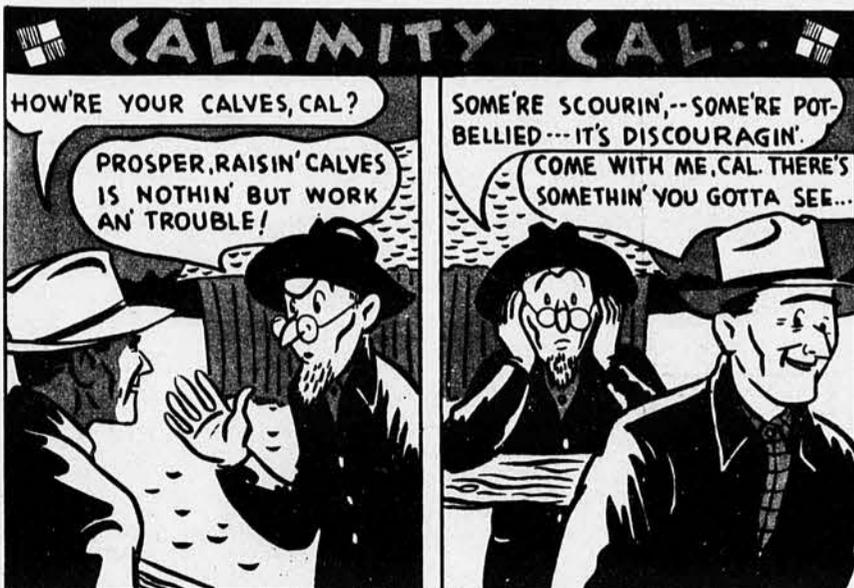
CHECKERBOARD NEWS  
GB Checkerboard Square  
St. Louis 2, Missouri

Gentlemen: I'd like a free copy of (S4305) "A Trip Through a Pig Factory."

NAME.....

ADDRESS.....

TOWN.....STATE.....



# PURINA CHECKERBOARD NEWS

## FARM HANDIES



Lifting a 10-gallon can of milk into a cooler can be backbreaking. This device, however, makes it easy for Fred B. Sanders, Nacogdoches, Tex., to raise and lower a can with pulleys and rope. The top pulley is on a runner so that the can may be moved horizontally as well as vertically.



Egg records show layers seem to like the darkness of community nests. The simple nest shown here can be easily constructed out of plywood and 1 x 3's. Each nest section can accommodate about 50 birds. Walter F. Wood, Holliston, Mass., is the owner.

## DR. R. M. BETHKE BECOMES PURINA RESEARCH HEAD

Dr. Roland M. Bethke, former Assistant Director of the Ohio Agricultural Experiment Station, has been named Purina's Vice President in charge of Research and Product Control.

Dr. Bethke has been active in educational and civic organizations and at various times has been President of Poultry Science Association, American Society of Animal Production, American Institute of Nutrition, and many other positions associated with the livestock and poultry industries.

Dr. Bethke received all of his scientific education at the University of Wisconsin.



DR. ROLAND M. BETHKE  
Vice-President  
Research and Product Control

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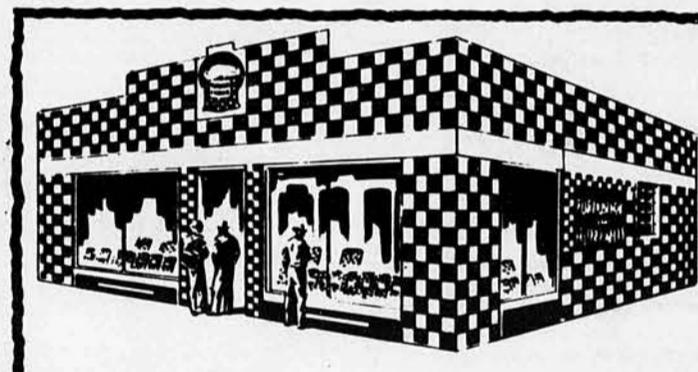
**\$5.00** **WHAT'S YOUR FARM HANDY?**  
We'll pay you \$5 if your Farm Handy idea is accepted for publication. Send your idea, with sketch or photograph, to Farm Handies, Checkerboard News, 835 South 8th St., St. Louis 2, Mo. Print your name and address.

**CUSTOM MIX MIKE SEZ:**

**THERE WAS A YOUNG LADY NAMED GAY WHOSE CHICKENS JUST NEVER WOULD LAY, TILL HER CUSTOM MIX STATION IMPROVED HER GRAIN RATION... THEY NOW SHELL OUT EGGS ALL THE DAY.**

## How to Build GOOD Broiler Houses described in New Purina Folder

"Double-gable" ventilation, space requirements, equipment needs, and other features of the up-to-date drive-through broiler house are included in a new folder prepared by Purina. You can get a free copy of this Handy Folder (P4729) by writing Checkerboard News, Ralston Purina Company, Checkerboard Square, St. Louis 2, Missouri.



## YOUR PURINA DEALER IS HEADQUARTERS FOR GOOD CHICKS AND SUPPLIES



ABILENE, Gordon Mark Elevator Co.  
ANDALE, Andale Farmers Elevator  
ANDOVER, L. S. Dack  
ANTHONY, Thurman Hatchery  
ARKANSAS CITY, Arbuckle's Hatchery & Feed Co.  
ASHLAND, Wallingford Elevator  
ATCHISON, Berry Bros. Hatchery  
ATTICA, Imperial Flour Mills Co.  
AUGUSTA, Furlong Hatchery & Feed  
BALDWIN CITY, Hardy Farm Supply  
BAXTER SPRINGS, Gaines Feed Store  
BELLE PLAINE, Halls Produce & Feed  
BELLEVILLE, Hall Mill & Elevator  
BELOIT, Jones Feed & Seed Co.  
BONNER SPRINGS, Coleman Coal & Feed Co.  
BURLINGTON, Solsby's Feed & Seed Store  
BURRTON, Hensley Oil & Feeds  
CANEY, Halligan Feed & Produce  
CARBONDALE, Surber Grain Co.  
CEDARVALE, L. C. Adam Mercantile Co.  
CHANUTE, Farm Service Store  
CHANUTE, Floyd R. Potter  
CHENEY, Ball Produce & Hatchery  
CHERRYVALE, Cherryvale Grain Co.  
CHETOPA, Karns Grain Products Co.  
CLAY CENTER, Gordon Mark Elevator  
CLEARWATER, Hugh R. Wilk  
CLYDE, Derousseau's Hatchery  
COFFEYVILLE, C. C. Feeders Supply  
COLUMBUS, Columbus Hatchery  
CONWAY SPRINGS, Farmers Union Coop. Assn.  
COTTONWOOD FALLS, Schoop Poultry & Egg Co.  
COUNCIL GROVE, Powell's Feed Store  
DENISON, Farmers Elevator  
DODGE CITY, Casterline Grain & Seed, Inc.  
DWIGHT, Dwight Feed Co.  
EDGERTON, Edgerton Grain Co.  
EDNA, Edna Produce  
EL DORADO, The Home Grain Co., Inc.  
ELK FALLS, O & B Oil Co.  
ELKHART, Elkhart Coop. Equity Exchange  
ELLIS, The Wheatland Elevator  
EMPORIA, The Kansas Sava Products Co., Inc.  
ESBON, Eshan Feed & Seed Co.  
ESKRIDGE, Converse Farm Service Co.  
EUREKA, C. T. Agrellius Feed Co.  
FONTANA, Barnes Feed & Seed Store  
FORD, Security Elevator Co.  
FT. SCOTT, Chas. Leist Feed & Seed Co.

FT. SCOTT, National Coal, Ice & Fuel Co.  
FRANKFORT, Kenro Hatchery  
FREDONIA, Cox Produce & Grain Co.  
GARDEN CITY, Western Terminal  
GARDNER, Gardner Grain Co.  
GARLAND, Pfeiffer Produce  
GARNETT, A. H. Fawkes & Sons  
GAS CITY, Goodsell Hatchery  
GIRARD, Potter's Hatchery  
GREAT BEND, Barton County Hatchery  
GREELEY, Rommelfanger Produce  
GREENSBURG, Security Elevator Co.  
HAMMOND, Bruce General Mdse.  
HARPER, The Imperial Flour Mills Co.  
HARVEYVILLE, Harveyville Grange Coop. Bus. Assn.  
HAYS, Engel Electric Hatchery  
HERINGTON, White Grain Co.  
HIAWATHA, Wolf Feed & Grain Co.  
HIGHLAND, The Derrick-Hischke Farm Supply  
HILLSDALE, Hillsdale Elevator  
HOLTON, Farmers Union Coop. Assn.  
HOPE, The Farmers Coop. Elev. & Sup. Co.  
HUGOTON, Security Elevator Co.  
HUMBOLDT, Dale's Feed Store  
HUTCHINSON, Orth's Feed & Seed Co.  
HUTCHINSON, Salt City Hatchery  
HUTCHINSON, Security Elevator Co. B.  
INDEPENDENCE, Star Mill Co., Inc.  
IOLA, Ari's Feed Store  
IONIA, Ionia Produce  
JUNCTION CITY, Hart Bartlett Sturtevant Grain Co.  
KANSAS CITY, Crawford Hatcheries  
KANSAS CITY, Dyer & Co.  
KANSAS CITY, Kansas Avenue Merc. Co.  
KANSAS CITY, Kelley Feed Store  
KANSAS CITY, State Ave. Merc. Farm Store  
KANSAS CITY, Frank Wells Feed Store  
KANSAS CITY, KANS., Kelley Feed & Seed, 740 Kansas Ave.  
KANSAS CITY, KANS., Park Junction Feed Store, 1905 N. 5th St.  
KENSINGTON, Levin Bros.  
KINGMAN, Goenner Hatchery  
KIOWA, Curran Hatchery  
LA CYGNE, Farmers Produce  
LANE, Gerths Breeder Hatchery  
LAWRENCE, Cadwell Hatchery  
LAWRENCE, Douglas County Hatchery  
LEAVENWORTH, Hibbs Farm Service

LEBO, Lebo Grain Co., Inc.  
LENEXA, Jennings Feed & Coal Co.  
LEOTI, Herb J. Barr & Sons Grain & Supply Co.  
LIBERAL, Security Elevator Co.  
LOGAN, The Logan Grain Co.  
LOUISBURG, Owens Feed & Produce  
LYONS, W. S. Dayton Hatchery  
MACKSVILLE, Kansas Milling Co.  
MAIZE, Maize Mills, Inc.  
MANHATTAN, Johnmeyer Feed & Seed  
MARION, Seymour Packing Co.  
MARQUETTE, Rodney Milling Co.  
MARYSVILLE, Mak's Marysville Hatchery  
MAYETTA, Farmers Union Coop. Assn.  
McLOUTH, McLouth Grain Co.  
McPHERSON, Community Produce  
McPHERSON, Hilltop Turkey Farm & Hatchery  
MEDICINE LODGE, Kansas Milling Co.  
MERRIAM, Merriam Feed Store  
MICHIGAN VALLEY, Bulmer Grain Co.  
MINNEAPOLIS, Golden Rule Hatchery  
MONTEZUMA, E. A. Mowrey Grain & Feed Co.  
MONUMENT, Wheatland Elevator  
MORAN, Louie Benbrook Produce  
MORSE, Morse Grain Co.  
MOUND CITY, Ward Produce  
MOUNDRIE, Moundridge Coop. Elev. Assn.  
MULVANE, Moore Grain Co.  
MUNCIE, J. E. Puett  
NEODESHA, Shacklett Hatchery & Feed  
NEWTON, Berry's Feed & Supply Store  
NICKERSON, Farmers Coop. Elevator Co.  
NORTON, N. L. Johnson Grain Co.  
OAKLEY, Wheatland Elevator  
OLATHE, Farmers Coop. Union  
OSAGE CITY, Steinhoff & Son  
OSAWATOMIE, Osawatomie Feed & Produce Co.  
OSKALOOSA, Oskaloosa Feed Store  
OSWEGO, Karns Grain Products Co.  
OTTAWA, Ottawa Produce Co.  
OVERLAND PARK, Jennings Feed & Coal  
PAOLA, Washburn Hatchery  
PEABODY, Peabody Coop. Equity Exchange  
PENALOSA, Kansas Milling Co.  
PERRY, Heck & Seyler  
PIQUA, Niemann's Store  
PITTSBURG, The Potter Hatcheries  
PLEASANTON, Pleasanton Mill & Elevator Co.  
POMONA, Pomona Feed Store

PORTIS, Wolter's Lumber Co.  
PRATT, Pratt Equity Exchange  
PRETTY PRAIRIE, Security Elev. Co.  
PROTECTION, Park Hatchery  
RICHMOND, Farmers Home Coop. Merc. Society  
SABETHA, Sabetha Coop. Produce Co.  
ST. MARYS, Farmers Union Coop. Assn.  
SALINA, McMinn & Tanner Feed & Produce  
SCOTT CITY, Durrant Seed & Supply Co.  
SEDAN, Sedan Seed House  
SEDGWICK, J. O. Coombs & Son  
SHAWNEE, Shawnee Hatchery  
SPRING HILL, Zweimiller Feed & Produce  
STAFFORD, Stafford Hatchery  
STANLEY, Boyd & Maelzer  
STERLING, Sterling Feed & Seed  
STILWELL, Stilwell Feed & Coal  
STOCKTON, Bouchey Grain Co.  
THAYER, Potter's  
TOPEKA, Emery T. Shimer Feeds & Seeds  
TOPEKA, J. R. Shimer  
TRIBUNE, South Side Service  
TROY, Winger Hdwe.  
TURON, Turon Hatchery  
VALLEY CENTER, Valley Center Farmers Elevator Co.  
VALLEY FALLS, Reichart Elevator  
VIRGIL, Virgil Feed & Coal  
WAKEENEY, The Wheatland Elevator  
WATERVILLE, Wagor Produce  
WATHENA, Wathena Hatchery  
WAVELEY, J. R. Baxter Produce  
WELLINGTON, Newell's Feed Store  
WELLSVILLE, Averill Produce  
WHITE CITY, White City Grain Co.  
WHITEWATER, Whitewater Hatchery  
WICHITA, C. Ball Feed Co.  
WICHITA, Berry's Hatchery & Feed Store  
WICHITA, Capital Feed & Seed Co.  
WICHITA, Kellogg Brothers Feed & Seed  
WICHITA, Maxwell Feed & Hatchery  
WILLIAMSBURG, Williamsburg Produce  
WILSEY, F. S. Riegel  
WINFIELD, Wallace Feed Store  
WINONA, Wheatland Elevator  
WOODBINE, Reed's Store  
YATES CENTER, Yates Center Elevator Co.  
ZARAH, Zarah Grain & Elev.  
ZENITH, The Zenith Cooperative Grain Co.



## Eight Rules Help With Baby Chicks

**Too much heat will cause serious trouble; choice of temperature is best**

By TOM AVERY  
Department of Poultry Husbandry  
Kansas State College

"Company coming. Got to have cleaning done ahead of time for chicks."

THERE is no one best way to brood baby chicks. But there are certain practices that should be followed for good results. Brooding is not difficult if a few fundamental rules are followed.

Conditions necessary for successful brooding are: (1) a hover in which temperature is under control and which has (2) constant supply of fresh air, (3) dryness, (4) adequate space, (5) ease of disinfection, (6) proper light, (7) protection against chick enemies, and (8) safety from fire. Unless one is reasonably sure these conditions can be provided, it is very unlikely any degree of success can be achieved.

There is no agreement among poultrymen as to exactly the proper hover temperature for chicks. It is known chicks do best when a range in temperature is available. When there is a choice of temperature for chicks, they soon learn to find the one most comfortable to them. It is a general opinion a temperature of from 95 to 100 degrees F. at edge of the hover on a level with the chick's back is best during the first week. Temperature can be lowered 5 degrees a week until chicks no longer require heat.

### A Reliable Guide

Action of the chicks around the hover is a reliable guide as to temperature. If chicks huddle in bunches and are inactive it is a good indication temperature is too low. Chicks will move to warmer temperature if it is available. If the temperature is too high they will move out away from the hover.

The serious trouble comes when the entire room becomes too warm and there is no place for them to get away from the heat. Chicks that are well distributed under the hover and are active are comfortable chicks. If the proper temperature is maintained under the hover, then one doesn't need to worry too much about the rest of the house being a little cool. It is good for chicks to get out into the cooler part of the house if there is a warm place for them to go when they get cool.

A small chick, when compelled to remain in the cold after he begins to feel chilly, soon becomes helpless. This is caused by paralysis of his breathing apparatus. The lungs are located on either side of the center of the back, and are protected only by a very thin layer of skin. That is why a chick becomes paralyzed when exposed to continued chilling.

It is important that the entire brooder house be well ventilated, but it is espe-

cially important that the air under the hover be constantly changing. Type of hover one uses will have considerable bearing upon how much ventilation there is. A good method of checking is to observe litter under the hover. If it is dry it is a good indication there is enough ventilation. If litter under hover is damp, one can expect trouble. Dampness breeds disease and even an inexperienced poultryman knows profits aren't made with sick chickens. Dryness in the brooder house is as important as any other one factor.

It is desirable to have the area under the hover partially darkened. Too much light is not desirable, neither is too little. Some lights helps prevent piling.

No chick is going to do well if overcrowded. Some brooders are over-rated as to capacity. Well-fed chicks grow rapidly, often doubling their weight 3 times in the first 5 or 6 weeks, so it is obvious a brooder filled to capacity with day-old chicks will be badly overcrowded within a very short time. Experiments have shown when electric hovers are used, 11 square inches of hover space per chick are most practical, and that 1/2 square foot of floor space per chick should be provided in the brooder house.

Just how many chicks should be started under one hover is a matter of debate. Some commercial broiler growers start from 600 to 1,000 under each brooder stove with good results. It is the opinion among practical poultrymen that if one expects to raise chickens to maturity 200 to 250 chicks under one brooder are sufficient.

### Safe From Fire

Most brooders of today are much safer from fire than the old style. This does not mean care in making the purchase and operation of the stove should not be kept constantly in mind. Oil stoves should have always an overflow pipe which extends outside of the house, and should have the oil supply tank on the outside.

Electric wiring in houses where electric hovers are used should be checked carefully before beginning of each season. Most colony brooder houses are moved to a new location before the brooding season starts. Care should be taken to see that trash or weeds close to the house are cleared away. Grass fires destroy a good many brooder houses each spring.

It is wise to order chicks early but don't stop there. Be sure the brooder house is ready several days before chicks are due to arrive.

## If Mastitis Bothers

IF YOU are having trouble clearing up mastitis in your dairy herd, here are tips that might help. They were given at a recent dairy meeting in Kansas by Dr. W. E. Petersen, professor of dairy husbandry, University of Minnesota. Doctor Petersen is one of world's top dairy problem authorities.

"In treating mastitis," says Doctor Petersen, "use large doses. If penicillin is prescribed, use not less than 100,000 units to the infected quarter. If cow is a good milker dose should be 500,000 units. Medicine should be left in infected quarter 24 hours before it is milked out. If signs are still evident, repeat dose. Most persons make 2 mistakes in mastitis treatment," says Doctor Petersen. "They don't use large enough dose and don't leave the medicine in infected quarter long enough. It takes time for medicine to diffuse thru the quarter and reach all infected areas."

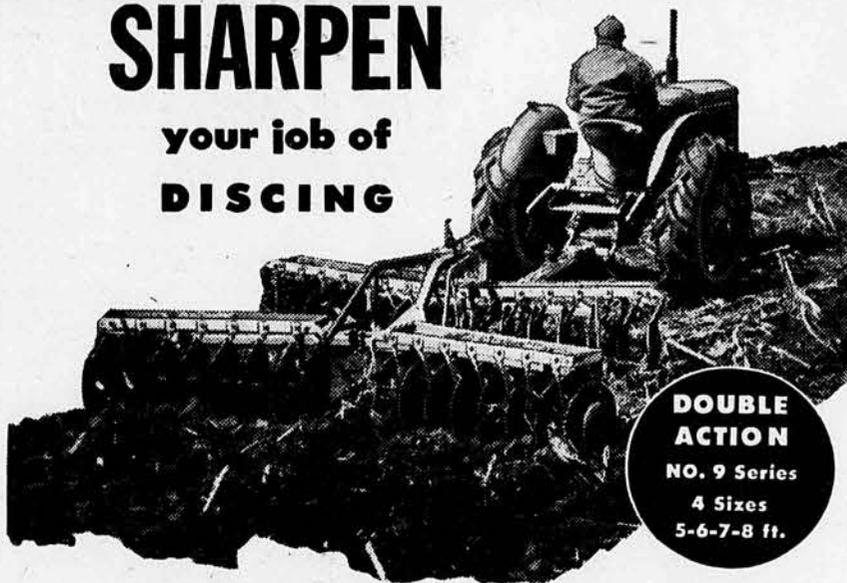
Other tips are to get a veterinarian as soon as possible after trouble is found so treatment can be started. "There are many kinds of mastitis germs," says Doctor Petersen, "and a proper diagnosis is needed before treatment or no results will be obtained."

### New Records Set For Wheat and Soybeans

World records in wheat and soybean production were set in 1950, reports U. S. Department of Agriculture. Soybean production for 1950 is expected to be 63 million bushels more than the previous 1948 high. Wheat crop is estimated at 6.4 billion bushels, second largest crop reported since 1938. It is 2 per cent above last year's crop and is exceeded only by 1948 wheat production. Soybeans now rank 5th in U. S. agriculture.

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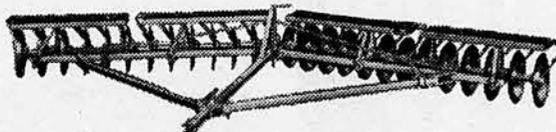


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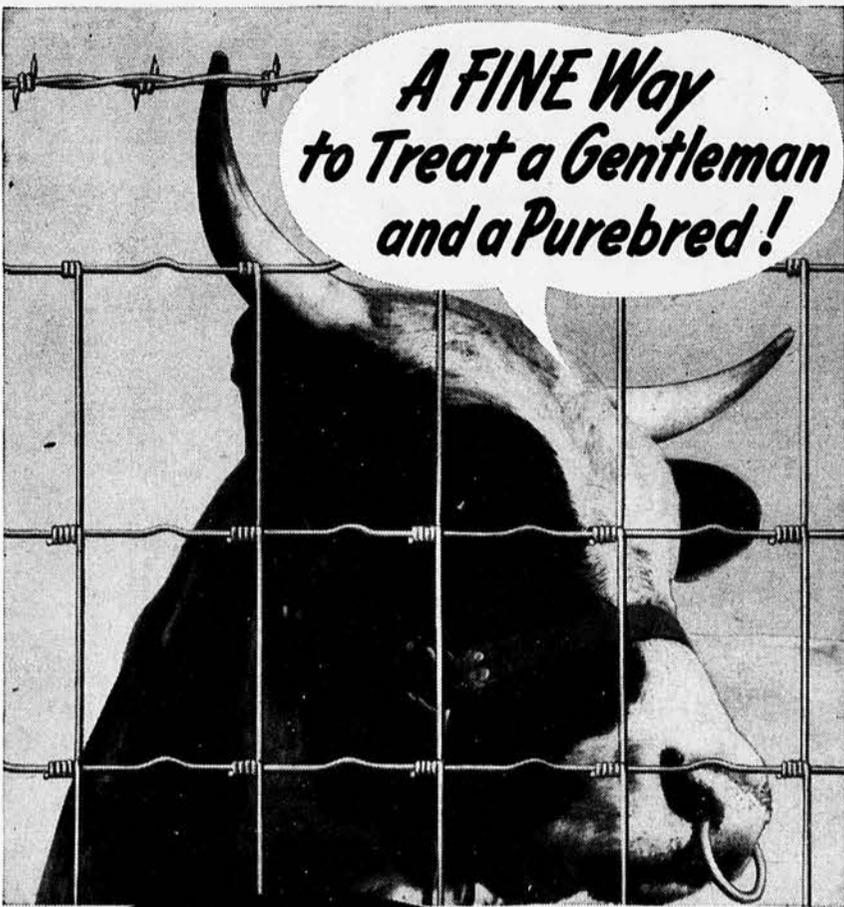
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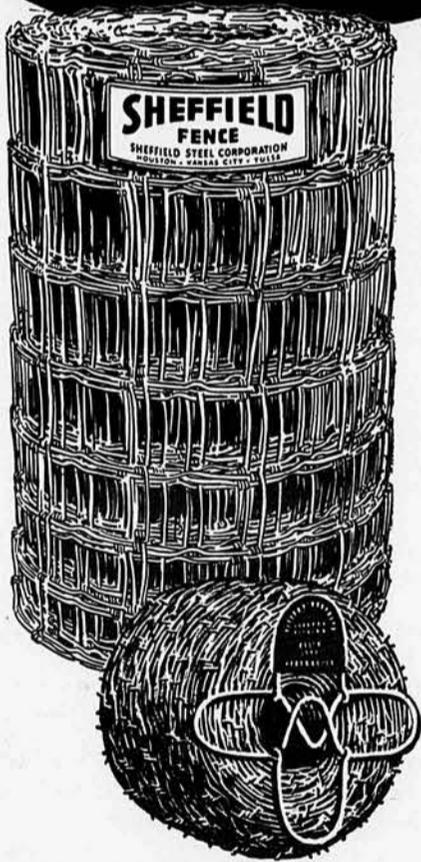
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## Name Nine Farm Families Balanced Farming Winners

By EULA MAE KELLY

**N**INE farm families have been named district winners in first Kansas Balanced Farming and Family Living contest. Sponsored by Kansas State Chamber of Commerce and Kansas State College Extension Service, the contest will be climaxed in June by selection of 3 state winners from district selections.

District winners are: Mr. and Mrs. Wilmot Price, Goodland; Mr. and Mrs. John Stephenson, Downs; Mr. and Mrs. Wilbur Larson, Concordia; Mr. and Mrs. E. Joe Hanks, Pendennis; Mr. and Mrs. Clarence Michaelis, Kinsley; Mr. and Mrs. Fay E. Taylor, Wellington; Mr. and Mrs. Don Clary, St. George; Mr. and Mrs. Jackson George, Lebo; and Mr. and Mrs. Willis R. Colman, Lawrence.

District winners will receive bronze plaques and suitable recognition from the state chamber. The 3 state families will be special guests at the annual meeting of the state chamber of commerce in Wichita in June, when state awards will be presented.

Enrollment in this state Balanced Farming Contest attracted entries from 83 counties. More than a third of these counties followed thru to name county winners from whose applications district selections were made. Applications are judged on the basis of progress made on the 10 points of the Kansas Balanced Farming and Family Living program.

### Covers 3-Year Period

This contest covers a 3-year period—1948, 1949 and 1950. Records of accomplishments for competing families listed improvements and progress made, as well as a written plan. The judging committee was made up of: John O. Miller, agricultural commissioner, Topeka Chamber of Commerce; H. C. Love, Jr., Extension farm management specialist, and Gladys Myers, Extension home management specialist, both of Kansas State College.

Well-kept farm and home accounts have been a constant guide to these families in their operations. Families estimated that farm-produced foods, including milk, meat, garden produce, and fruit contributed from \$500 to \$1,500 to the family budget. Records showed foresight in providing education for children and health insurance.

Now for summaries of accomplishments of the 9 district winners.

**Wilmot B. Price** family of Goodland operates 1,558 acres, with wheat and beef as main enterprises. Five-hundred-forty-nine acres of wheat land were summer fallowed in soil-building program that also includes a definite crop rotation. In 1948, wheat yield on summer-fallow land yielded 40 bushels per acre.

Price maintains cow herd of 30 registered Angus. Formerly handled as high as 100 grade cows. During 1950, he marketed 20,800 pounds of beef and 1,980 pounds of pork. A laying flock of 232 hens added \$340 to the family

income. Good use is made of 172 acres of native pasture and 90 acres of temporary pasture.

A modern farm home centers a landscaped farmstead with well-placed buildings and lots. Tree and wood windbreaks shelter livestock. Storage facilities for 40,000 bushels of grain are provided.

The Prices are community leaders. Family recreation includes community parties, ball games, roller skating and dancing.

**John C. Stephenson** family lives on 480-acre farm near Downs. Soil conservation is of major importance, each year showing increase in acres farmed

### Easter Entertainment

Our leaflets, "New Fashions for Easter Favors" and Easter Eggs-ibit," will help you with your plans for an Easter party. We suggest an early order. Easter is March 25. Please address Entertainment Editor, Kansas Farmer, Topeka. Price 3c each.

on contour and protected by terraces. Soil is being built up thru use of manure topdressing and alfalfa.

Livestock in 1950 included 34 dairy cattle, 45 sheep, 89 hogs. Cattle are sold as breeding stock. Wheat is major crop, other acreage in corn, oats, milo. Forty acres of rye and 9 acres of brome supplement 48 acres of native pasture.

Maternity barns are included among farm buildings. Farm windbreak is completed and growing nicely, and lawn and landscaping well started. The Stephenson home is electrified, insulated, has running water.

Three Stephenson children have college educations. Mrs. Stephenson is Sunday school teacher, a home demonstration unit member, and is on school board while her husband is a soil conservation district supervisor, PMA township committeeman, and active in church and Farm Bureau.

**Wilbur Larson** family, near Concordia, owns 160 acres and rents 340 acres.

"Whatever the objective," comments Wilton Thomas, Cloud county agent, "the whole family works on it whether gardening, yard work, home carpentry or soil conservation. Home improvement costs are moderate because Mr. Larson and Wilbur do most of work. Wilbur, the son, won a soil conservation college scholarship in 1949."

One-hundred-thirty acres are protected by terraces. On one terraced hillside, before terracing, Larson had to combine up and down the slope and get one combine bin of wheat. Following terracing he combined around the slope and got three bins of wheat in 1950.

Sweet clover has been used effi-  
(Continued on Page 29)

### Easy to Water Hogs



**GRAVITY DOES WORK:** Donald Brown, left, Crawford county 4-H Club agent, and Ernest DeLange look over watering setup for hogs on DeLange farm. Water from farm pond is piped to an enclosed concrete tank, then into trough by means of float valve. Trough is put in fence line to serve 2 pastures.

ciently in the soil-building program. Soil tests and wheat fertilizer test plot led to profitable use of phosphate and mixed fertilizers.

Hogs and beef cattle are Larson choices for livestock. Six litters of pigs were produced in 1950, and a cow herd of 24 head utilizes all pasture and roughage. The laying flock consists of 230 hens.

The two oldest Larson children are in college and the two younger girls plan to go.

Don Clary family of St. George comes up with outstanding performance. Steady growth in erosion control and soil building are combined with profitable deferred beef and hog enterprise. Sixty-eight deferred calves meant 46,560 pounds of beef sold, while 65 hogs were marketed for a total of 17,385 pounds of pork. Clary estimated that 60 tons of hay and 100 tons of silage were marketed thru livestock. A laying flock of 300 hens made a regular addition to family income.

The 3 years have brought running water, graveled driveway, and new live-

Thirty head of steers are managed on deferred system along with 22-head cow herd. Major improvements for chickens included straw-loft poultry house, cement floor, feed room, and watering system. A concrete foundation was put under garage in 1950.

Grapevines, roses and shrubs have been planted on a long-range landscape plan. Running water was added to house in 1949. A radio phonograph for whole family and a Shetland pony for 2 small daughters were listed under recreation. Mr. and Mrs. George are farm management association members.

Mr. and Mrs. E. Joe Hanks, Pendenis, have dual-purpose cattle, Milking Shorthorns, and hog production combined with wheat farming on this 800-acre farm. Seventy-five per cent of land is farmed on contour, 280 acres were summer fallowed for wheat and 30 acres for sorghums.

Sixteen head of Milking Shorthorns make good use of temporary pasture. Three stock ponds were built last year. Eleven brood sows produce 2 litters of pigs a year. Hanks estimated he sold 10,000 pounds of pork during 1950. Individual houses are provided for sows and a Quonset building for milk cattle.

This Lane county family has a modern farm home. Their community activities include church, Farm Bureau, breed associations and social clubs.

Clarence M. McClelland family, Ashland, are making steady progress on 437-acre rented farm. Wintering and summering steers or heifers and hog production combine with wheat and sorghum in this young farmer's well-balanced program.

The year 1950 brought a new bathroom to the McClelland home and a septic tank for sewage disposal. Their plans include college educations for their two small children, age 3 and 1.

McClelland normally handles around 30 head of beef cattle each year. In 1950 he marketed 13,700 pounds of beef, put 30 tons of hay into these cattle. The laying flock numbers 120 hens, an increase of 20 hens over 1949. His 2 brood sows produced 2,400 pounds of pork last year.

This Clark county farmer believes in summer-fallowing for both wheat and sorghums. He has divided his main crops into 184 acres in wheat and 61 acres in sorghums. He has storage facilities on the place for 3,000 bushels of grain and 25 tons of hay. He has 127 acres of native pasture.

Farm and home account books are an important part of the farm business.

Grain crops and dairying and poultry are main sources of income on 160-acre Sumner county farm operated by Mr. and Mrs. Fay E. Taylor, Wellington. A good soil-building program is under way using alfalfa and sweet clover, lime and phosphate. Forty tons of lime have been spread on Taylor acres each of 3 years of the contest.

With no native pasture available, Taylor uses 50 acres of Sudan or rye and his legumes for dairy pasture. He is gradually increasing dairy herd, has 4-cow stanchion milking parlor, and is taking advantage of artificial breeding service from Kansas State College.

Wheat and oats are principal crops. Eighty acres of wheat yielded 18 bushels to acre in 1950. A good start has been made toward completely modernized farm home. A septic tank was added in 1950. Taylor is his own plumber.

This family believes in more reading for better education. Mrs. Taylor is president of her local home demonstration unit.

**75 Recipes**

A new meat recipe booklet, "Meat Recipes for Good Eating," is just off the press. It includes menu suggestions, meat cuts and special points for each specific meat cookery method, and a special feature, "Ways with Meat in the Kitchen." The booklet is generously illustrated and is published by the National Live Stock and Meat Board. A free copy may be ordered from Home Editor, Kansas Farmer, Topeka.

stock shelters to the Clary place. A windbreak will be planted this year.

Oldest Clary daughter graduates from nurse training at the Kansas City Medical Center in March. The two younger daughters hope to attend Kansas State College. A family vacation each year is part of the family plan. Community activities include 4-H membership and leadership, and executive positions in home demonstration, soil conservation, and Farm Bureau work.

Namloc Acres, Kaw Valley farm of Mr. and Mrs. Willis R. Colman, Lawrence, earned district recognition. A grass farming enthusiast, Colman has 60 per cent of his 200-acre farm in alfalfa and grass.

Colman won Kansas Bankers Association award for soil conservation in 1948. He keeps a 40-head cow herd, 7 dairy cows, 40 head of sheep, and 5 brood sows. Pastures for his stock are rotated and supplanted with alfalfa and certified oats on regular rotation. He has 74 acres in brome. Every acre of cropland is protected by terraces.

The attractive Colman home has cove lighting in dining room, put in by Colman. Outdoor picnic facilities are shared with church and college groups. The Colman son and daughter are University of Kansas alums.

Jackson George family of Lebo, in 5 years of farming, nicely-balanced crop and livestock program that has made possible home improvement and good living.

The Georges operate 400 acres, own 240; 150 of 160 acres of cropland are farmed on the contour. He has gradually cut down the number of acres that need terrace protection, completing last acre recently. He has had as many as 82 acres in sweet clover.

**Please Be Careful**

While helping vaccinate a cow, which went wild after being vaccinated, a farmer stepped on a gate in an effort to get away from the cow. The cow lunged against the gate, which opened altho it was fastened, the farmer was thrown into the air, fell on his back and suffered fatal injuries.

A young farmer was carrying a weed-burning device on his shoulder, burning weeds on his farm, when a hose on the sprayer broke, causing an explosion and setting his clothing on fire. He died from burns in a hospital next day.

While riding herd on cattle a middle-aged farmer was thrown from his horse and died from a cerebral hemorrhage caused by the accidental injury.

—Kansas State Board of Health.

**HERE'S YOUR BIG MONEY SAVING PLAN**



**TAKE ADVANTAGE OF GENEROUS DISCOUNTS GIVEN ON PHILLIPS 66 PRODUCTS**

You bet it's true! You can get all the quality of Phillips 66 Motor Oils, Greases and Gear Oils—at the same time save money. Discounts are now available on these products—are given on orders as small as 15 gallons. Discounts are as much as 5 cents a gallon on quantity orders.

**Here's how you benefit...**

- **SAVE MONEY...** These special discounts on Phillips 66 Products save you money—put cash in the bank for you.
- **NO MONEY DOWN...** You don't tie up your cash. Pay after delivery.
- **ASSURED SUPPLY...** A really important feature now. You'll have the products you need—no worry about shortages.
- **HIGH QUALITY...** New Phillips 66 Premium Motor Oil is four ways improved. Phillips 66 Greases and Gear Oils are known nationally for their high quality. You can always depend on these products.

**Here's all there is to it...**

Order your supply of Phillips 66 Motor Oils, Greases and Gear Oils before March 31. Set a single delivery date between now and May 31. That's it. You save money and have the dependable products you need when you need them. See your Phillips 66 Distributor today.

**SEE YOUR PHILLIPS 66 DISTRIBUTOR AND TAKE ADVANTAGE OF GENEROUS DISCOUNTS!**

Hear Rex Allen and the Sons of the Pioneers every Friday night over C.B.S.

Butter-Nut's  
EXTRA FINE  
FLAVOR  
IS  
EXTRA  
VALUE



SO GOOD IT IS  
FIRST CHOICE  
IN OVER A  
MILLION HOMES

EXTRA  
RICH

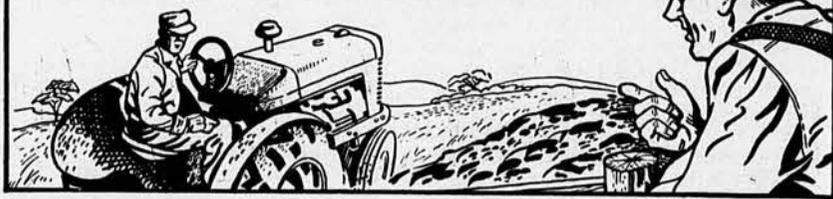
COSTS LESS  
PER CUP  
THAN CHEAP COFFEE  
THAT SELLS FOR  
LESS PER POUND

EXTRA  
MELLOW

EXTRA  
DELICIOUS

THE FARM FAVORITE!

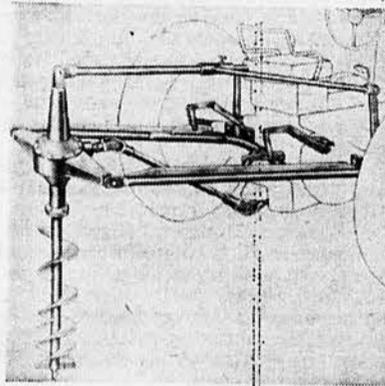
Have You Heard?



Notes on New Products and Folks Who Make Them

FARM fencing now can be done in a fraction of the time it used to take, says Twin-Draulic, Inc., Laurens, Ia. Their new posthole digger fits practically all tractors, digs 40 inches deep in 30 seconds. It's low priced, custom built for row-crop tractors. It can be

assure a perfect filling job. The Tire Filler comes equipped with indicator dial, hose, necessary adapters and complete operating instructions. Full details and prices can be obtained by writing direct to the company.



mounted or unmounted in a short time, is adjustable for digging straight or at an angle. It's operated from power take-off, and all gears are enclosed.

Black Leaf's Rat and Mouse Killer is another of the many warfarin-killers now on the market. According to the Tobacco By-Products & Chemical Corp., 401 East Main St., Richmond 8, Va., this new product is hailed as one of the safest from the human standpoint. It is "one which holds a promise of wiping out rodent colonies completely and permanently."

The Hypro Engineering Company, in Minneapolis, Minn., has announced a powerful little portable pump to do numerous household and industrial pumping jobs. It is useful for such things as draining garden pools, cellars, cess-pools, boats and many other jobs. The unit consists of a 1/4-horse motor, self-lubricating pump and a folding handle. It is rated to lift water up to 10 feet unprimed, 22 feet primed. It will deliver up to 5 gallons a minute, yet it weighs only 27 pounds complete.

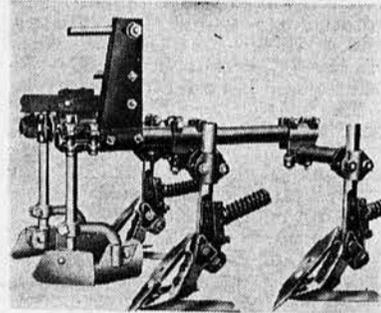
Clay Equipment Corp., Cedar Falls, Ia., has written us about the 3 new Clay barn-gutter cleaners. Their Model "A" is for small barns (up to 25 cows); Model "B" is for medium barns (25 to 50 cows); Model "C" is for large barns (50 to 100 cows). Here are some advantages of a barn cleaner as listed by the Clay Equipment Corp.: Do away with the big, man-killing job of shoveling miles of manure; on new barns, building cost savings nearly pay for the electric barn cleaner; saves on your health; helps to hold your boys on the farm.

A new catalog is out describing fast-operating weed and insect sprayers. It was printed by Massey-Harris and describes their No. 5 Trailer Sprayer and their No. 4 Tractor-Mounted Sprayer. Both are adaptable for grain or row-crop spraying. Free copies of this new color catalog are available by writing to Massey-Harris Co., Racine, Wis.

J. I. Case Co., Racine, Wis., write their Case Model "J-2" Blower is a forage blower that will give you a real advantage in fast, moderate-cost silo-filling. "It's the heavy-duty blower you've been looking for as a companion machine for your field forage harvester," says the company. "With plenty of capacity, it handles green grass silage, corn silage, sorgo or other ensilage crops. Ideal for blowing chopped hay or straw in the barn. At a filling rate of 30 tons per hour, this blower, belted to a 3-plow tractor, will fill a 60-foot silo in short order. The Model J-2 also makes good use of a 2-plow tractor.

A new cultivator tooth is introduced. It is of special interest to farmers who must cultivate hard ground or trashy and weedy ground. The new attachment is called the Sweep-Controllor. It works especially well in heavy soil where there are a lot of weeds and grass. The attachment combines the advantages of 2 different kinds of cultivator teeth—straight digging teeth and ordi-

"Before You Build Your Barn" is a new, free booklet offered by the Dow Chemical Company, Midland, Mich.



Gehl Brothers Manufacturing Co., West Bend, Wis., has 2 new folders available. One tells about the complete Gehl line of hammer mills now available with a direct power take-off drive. Grinding capacity is stepped up as much as 50 per cent by direct power drive. The other folder describes the power take-off for Gehl hammer mills and a transport truck.

nary sweeps. Either row-crop or field cultivators may be fitted with the new attachment. It's made by Russell Mfg. Co., 445 Wells St., Caro, Mich.

Western Condensing Co., Appleton, Wis., has renamed its poultry feed supplement. Formerly known as Peebles' Condensed Whey Product, it's now called Peebles' Free Choice Feed. It's packed in easy-to-handle, water-repellent, 50-pound cartons. You just cut off the end of the carton, stand it up and the feed is ready to be eaten. No mixing is necessary. This feed contains many vitamins necessary for good health and improved feed usage.

Terramycin is the newest of the earth-mold "wonder drugs." It is contained in a new antibiotic animal feed supplement just announced by Charles Pfizer & Co. The supplement is called Bi-Con TM-5, is prepared especially for poultry and swine. In addition to increasing growth rates of these animals, terramycin fortified rations produced a decline in mortality rates and tended to decrease vitamin B-12 requirements. Also, a lower protein content was required for maximum growth, thus tending to make feeds with antibiotic supplements cheaper.

Tractor owners will be interested in this item. G & D Manufacturing Co., Streator, Ill., has a new Farmer's Friend Tire Filler. They say it's designed to permit easy, economical filling of tractor tires with water, calcium chloride, or air. No outside source of air or water pressure is required to

"Tex—the Story of a Champion Calf" is a new, 30-minute, 16 mm color sound film about a farm boy in his efforts to raise a champion calf. The film was produced by The Texas Company, shows new breeds, how to judge cattle. Limited number of copies are available on loan for farm meetings. Write J. M. Gregory, The Texas Company, 135 E. 42nd St., New York, N. Y. Or contact your local Texaco man. Say you saw this notice in Kansas Farmer, please.

# Try These—To Make a Hit

By Florence McKinney

RECIPES that turn out dishes practical, pretty and particular. That describes new things on this page, pancakes reinforced with cottage cheese for extra food value, a new tuna-noodle casserole, a nut bread to add variety to dinners at home and the school-lunch box as well.

## Cottage Cheese Pancakes with Applesauce

2 eggs                      3/4 cup flour  
 1/2 cup cottage cheese    1/2 teaspoon baking  
 3/4 cup thin sour cream    soda  
                                  1 teaspoon salt

Beat eggs. Push cottage cheese thru sieve and blend with eggs. Stir in sour cream. Sift flour, measure and sift with soda and salt. Add to egg mixture and beat well. Let batter stand a few minutes before baking. Cook on hot, lightly-greased griddle until browned, turning each only once. Serve hot with butter and applesauce. Makes 10 to 12 medium-sized pancakes.

## Bird in the Snow

He carols so bravely this wintry, cold  
 morn . . .

No bird e'er sounded sweeter

Since the day I was born!

I watch his form flutter

Above the snow's sheen

And back to my heart

Surges a feeling serene.

Any bird can warble

When spring comes back green,

It takes courage to sing

When icy winter is King!

—By Caroline Granade.

## Tuna-Noodle Casserole

1 tablespoon salt	2 tablespoons dry
3 quarts boiling	mustard
water	1/2 teaspoon salt
8 ounces egg noodles	1/8 teaspoon pepper
3 tablespoons butter	1 1/2 cups milk
1/2 cup chopped	1 7-ounce can tuna
celery	1 medium apple,
3 tablespoons flour	pared and sliced
	1/4 cup brown sugar

Add 1 tablespoon salt to boiling water, gradually add egg noodles and cook uncovered until tender, stirring occasionally. Drain. Melt butter in saucepan or top of double boiler, add celery and cook until tender. Combine flour, mustard, salt and pepper. Blend with butter and celery mixture. Gradually add milk and cook until mixture thickens, stirring constantly. Remove from heat, add tuna fish and noodles and mix. Turn into a greased 1 1/2-quart casserole and place apple slices on top. Sprinkle with brown sugar. Bake in [Continued on Page 32]



A SUNDAY SUPPER SPECIAL: New pancakes reinforced with cottage cheese served up with applesauce make supper something special.



Says New Dry Yeast gives grand results

## Hutchinson Mother Takes 2 First Prizes at State Fair Cooking Contests

Daughters Lois and Lorraine admire their mother's latest blue ribbons. Mrs. William Rauckman has won awards at the Kansas State Fair every year since she first entered statewide food competitions in 1945. Here she's showing her 1950 ribbons—2 first prizes and 1 second.

Like so many champion cooks, Mrs. Rauckman praises Fleischmann's New Improved Active Dry Yeast. "This new dry yeast gives me such grand results," she says. "And it's so

fast-acting, so easy to use—dissolves in seconds' time!"

Do you know—the world's most delicious treats are made with yeast! The delectable flavor and nourishing goodness of yeast-raised goodies make them everybody's favorite!

When you bake at home—do it with yeast... the best yeast. Fleischmann's New Improved Active Dry Yeast is easier, faster, gives better results. Just add to warm water and stir well... it's ready to use! Get several packages today.

## Stop Taking Harsh Drugs for Constipation

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

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

When you occasionally feel constipated, get gentle but sure relief. Take Dr. Caldwell's Senna Laxative. It's all-vegetable. No salts, no harsh drugs. Dr. Caldwell's contains an extract of Senna, oldest and one of the finest natural laxatives known to medicine.

Gentle, effective relief

Pleasant, minty-flavored Dr. Caldwell's acts mildly, brings thorough relief comfortably. Helps you get regular, ends chronic dosing. Even relieves stomach sourness that constipation often brings.

Try Dr. Caldwell's. See how wonderful you feel. 25¢, 60¢, \$1.20 sizes. Get Dr. Caldwell's Senna Laxative now.

**DR. CALDWELL'S**  
**SENNA LAXATIVE**

**PACIFIC HYBRID  
DELPHINIUMS**

Will Bloom  
this Year **3 FOR  
50¢  
POSTPAID**

Tall spikes, densely packed with huge florets. Beautiful colors from pale blue to deepest indigo and royal purple. One of America's favorite perennials. Limit 1 order per customer. Order today.

FREE Scores of beautiful flowers, trees, shrubs, vegetables pictured in full color in our BIG CATALOG. Sent Free.

**EARL MAY SEED CO.**  
417 Elm St. Shenandoah, Iowa

**3% SAVE  
BY MAIL**

NOW—let your idle funds be earning a LIBERAL dividend. We've been paying at least 8% on savings for 20 years.

United Offers You —  
SECURITY - AVAILABILITY

**UNITED BUILDING AND  
LOAN ASSOCIATION**

MAX A. NOBLE, President  
Write Dept. 14 for Information  
217 E. WILLIAM - WICHITA 2, KANS.

**EVERBEARING, INDIAN SUMMER  
RED RASPBERRIES**

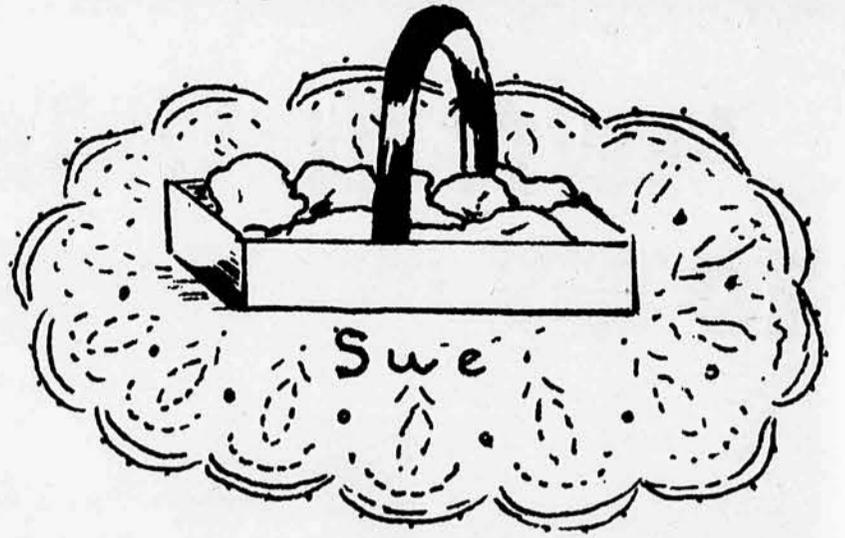
**10 PLANTS 50¢ POST-PAID**

Plump, luscious, red raspberries with wonderful fine flavor. This great variety yields 2 big crops every year. Enjoy this delicious fruit for years to come. Limit 1 order per customer. Send your order today.

FREE Big Beautiful Catalog with sensational new hybrid vegetables. Hundreds of varieties... roses, perennials, trees, plants.

**EARL MAY SEED CO.**  
416 Elm St. Shenandoah, Ia.

## Easy and Fun to Make



A PRETTY spring or summer luncheon or school party call for nut cup favors. Here they are... made of small matchboxes and paper doilies. Save penny matchboxes... use the tray or drawer and discard the top. Paint the boxes with poster paint to fit the color scheme. Cut strips of waxed paper to fit as a lining and paste them in.

The smallest of paper lace doilies

will serve as the base. When the paint is dry paste the trays on the paper doilies. With crayon print the names of the guests on the paper doilies, just in front of the box. Add a tiny paper handle if you like.

When you arrange your party table, fill each tray with salted nuts, candy corn, red hots or any small candies or nuts. They're pretty, fun to make and cost little. We recommend 'em.

## First Woman Mayor

The first Kansas legislature in 1861 gave women the right to vote in school elections. In 1887 this was extended to city and bond elections and in that year Argonia in Sumner county, elected the first woman mayor in the world... Mrs. Medora Salter.

## Try These to Make a Hit

(Continued from Page 31)

moderate oven (350° F.) for about 30 minutes.

### Nut Bread

½ cup shortening	3 cups flour
½ cup sugar (beet or cane)	3 teaspoons baking powder
½ cup honey	1 teaspoon salt
1 egg	¾ cup milk
	1 cup chopped pecans

Cream together butter and sugar. Add honey and mix well. Add egg, beating well. Sift together flour, baking powder and salt. Add to creamed mixture alternately with milk. Add nuts. Bake in greased loaf pan in moderate oven (350° F.) about 1¼ hours.

### Scalloped Beans

6 cups water	2 medium onions, chopped
2 cups navy beans	4 tablespoons flour
¼ pound salt pork, diced	salt and pepper to taste
	½ cup bread crumbs

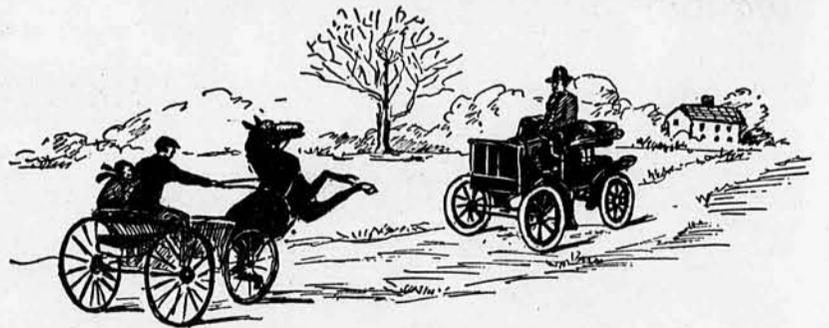
After washing, bring beans to boil in 6 cups water. Remove from heat and

soak one hour. Cook until tender in same water. Brown the salt pork and add to the beans. Brown onions in salt pork fat and add to beans. Mix remaining fat with flour, stir in some water

### March Parties

We have a new leaflet entitled, "Games for March Parties." Six games of various types are given with 2 suggested menus. If you are searching for new entertainment for the month of Irish games, you will want to see this leaflet. Please send your order to Entertainment Editor, Kansas Farmer, Topeka, and enclose 3c to cover mailing charges.

and mix with beans. Add salt and pepper to taste and put mixture in a greased baking dish. Sprinkle bread crumbs over the top. Bake in a moderately hot oven (350° to 400° F.) for about 20 minutes. Serve hot with crisp green salad.

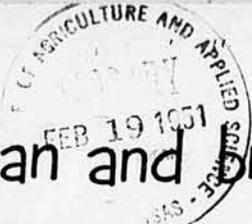


When the automobile was first introduced, a popular verse declared:

It doesn't shy at papers as they blow along the street;  
It cuts no silly capers on the dashboard with its feet;  
It doesn't paw the sod up all around the hitching post;  
It doesn't scare at shadows as a man would at a ghost;  
It doesn't gnaw the manger and it doesn't waste the hay,  
Nor put you into danger when the brass bands play.

—By Margaret Whittemore

At last! No-Rinse washes that are clean and bright!



# WE CHALLENGE EVERY WOMAN TO TRY NO-RINSE WASHING NOW!

PROCTER & GAMBLE'S NEW PATENTED

# cheer®

READ SOME OF THE AMAZING THINGS WOMEN DISCOVER ABOUT CHEER



**cheer!**  
*For snowy-white washes in far less time WITHOUT RINSING!*

"Because I don't have to rinse, CHEER saves me hours of work. Never have I seen such sparkling-clean no-rinse washes as I get with CHEER!" says Mrs. Doris W. Larkin of Syracuse, New York.

**Latest, most remarkable no-rinse product!**  
**Specially made to assure bright, clean washes WITHOUT RINSING!**

If you have a *single doubt* about no-rinse washing, we dare you to do *one* wash with CHEER—without rinsing!

With Procter & Gamble's great new CHEER no-rinse washing becomes really *dependable!*

CHEER was specially made for no-rinse washing!...TESTED!PROVED! GUARANTEED to give the cleanest possible no-rinse wash!

Wonderful new CHEER floats dirt out of your clothes and *holds* it in

the wash water! When you wring out your clothes—*out goes the dirt!* The wash is clean as a new pin, dries soft and sweet as clover, irons smoothly as satin!

**You don't have to bleach, blue or use water softeners with CHEER!**

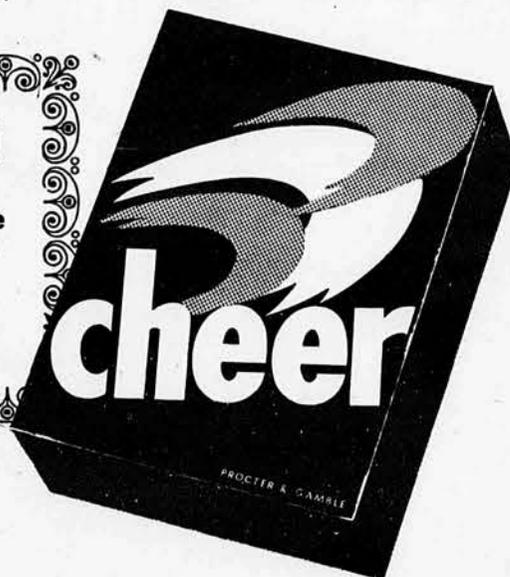
Try CHEER . . . with or without rinsing! You'll be convinced it's the grandest washing product that ever came down the pike! Whichever way you wash—CHEER offers you the cleanest wash it's possible to get by that method.

**cheer!**  
*Clothes iron beautifully WITHOUT RINSING!*

"My CHEER-washes iron so smoothly and look so lovely. I'll never rinse again!" says Mrs. Rita Fecht of Clay, N. Y.



**GUARANTEED to give you the cleanest possible no-rinse wash—  
—OR YOUR MONEY BACK!**



## Try **cheer** once... and you'll **cheer** forever!

Notes from the  
**BEET SUGAR  
KITCHEN**



by Nancy Haven



Holiday Cakes

**BASIC SPONGE CAKE**

(Enough for 6 individual drums or hearts.) Beat 4 egg whites until stiff; slowly add  $\frac{3}{4}$  cup Beet Sugar; continue to beat until mixture stands in stiff peaks. Beat 4 egg yolks until thick; add  $\frac{1}{2}$  tsp. lemon extract; fold into egg whites. Stir in sifted dry ingredients, ( $\frac{1}{2}$  cup all-purpose flour,  $\frac{1}{2}$  tsp. baking powder,  $\frac{1}{4}$  tsp. salt), gently and quickly. Spread thick batter in shallow pan (15x10 $\frac{1}{2}$ x $\frac{1}{2}$  in.) which has first been well-greased, bottom lined with heavy brown paper and greased again. Bake in hot oven (400° F.) about 10 min. Quickly turn cake out onto clean, linen towel; peel off brown paper. Let cool slightly.

**CREAM ICING.** Beat 2 cups whipping cream until thick; gradually add  $\frac{1}{2}$  cup Beet Sugar; beat until cream holds shape. Gently fold in 2 stiffly beaten egg whites to which  $\frac{1}{2}$  cup of Beet Sugar has been added.

**ROSY COCONUT FOR TRIM.** Color  $1\frac{1}{2}$  cups shredded, coconut (4-oz. pkg.) with 16 drops of red food coloring.



Here's how...

**PATRIOTIC DRUMS.** Cut 12 (2 $\frac{1}{2}$ -inch) rounds of sponge cake. Sandwich two together with Cream Icing; frost completely. Press rows of Rosy Coconut or Maraschino Cherry quarters into icing at top and base of drum. Sticks are long red gum drops.

**VALENTINE HEARTS.** Cut 12 (3-inch) hearts. Pair together like drums. Frost. Press Rosy Coconut all around sides. Or, for all-white heart, fold uncolored coconut into Cream Icing, completely frost and decorate with a Maraschino Cherry heart.

Marvelous...with Beet Sugar

For Beet Sugar—the purest, whitest, finest sugar there is—brings out the best in your baking and makes every one of your sweet treats a special event.

\*\*\*

CONSUMER SERVICE • WESTERN BEET SUGAR PRODUCERS, INC.  
P.O. BOX 3594, SAN FRANCISCO 19, CALIFORNIA

Reliable Advertisers Only are accepted in Kansas Farmer.

**Save Money On  
This Home Mixed  
Cough Syrup**

Big Saving. No Cooking. So Easy

You'll be surprised how quickly and easily you can relieve coughs due to colds, when you try this splendid recipe. It gives you about four times as much cough medicine for your money, and you'll find it truly wonderful for real relief.

Make a syrup with 2 cups of granulated sugar and one cup of water. No cooking needed. (Or you can use corn syrup or liquid honey, instead of sugar syrup.) Then put 2 $\frac{1}{2}$  ounces of Pinex (obtained from any drug-gist) in a pint bottle, and fill up with your syrup. This makes a full pint of medicine that will please you by its quick action. It never spoils, and tastes fine—children love it. This simple mixture takes right hold of a cough. It loosens the phlegm, soothes the irritated membranes, quickly eases soreness and difficult breathing.

Pinex is a special compound of proven ingredients, in concentrated form, well-known for its quick action in coughs and bronchial irritations. Money refunded if it doesn't please you in every way.

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

**Carolyn Wins  
In Pie-Baking Contest**



**CAROLYN IS WINNER:** Carolyn Fields, of Solomon, won the purple ribbon at the state cherry pie-baking contest and goes to national contest at Chicago.

**B**LENDING half the shortening in at a time and allowing the pie dough to chill for an hour before rolling it out are two of the techniques used by pretty 18-year-old Carolyn Fields, of Solomon, state winner of the 4-H cherry pie-baking contest. Carolyn now goes to the national contest to be held in Chicago on February 21.

Here is Carolyn's recipe that won first in competition with 25 other county champion pie bakers in the contest at Kansas State College on January 31.

**Cherry Pie Crust**

$\frac{2}{4}$ cups flour, sifted	$\frac{3}{4}$ cup shortening
$1\frac{1}{4}$ teaspoons salt	6 to 8 tablespoons ice water

Sift flour and salt together into a mixing bowl. Blend half the shortening into the dry ingredients with pastry blender until in small pieces. Add rest of shortening and blend until size of peas. Gradually sprinkle the ice water over the mixture. Stir it with a fork. Dough should then be chilled in refrigerator for an hour.

Divide into halves, roll out, fit into pie pan and pour filling into crust. Top with remainder of pastry and bake in a very hot oven (450° F.) for 15 minutes. Turn back to 350° F. for about 30 minutes.

**Cherry Filling**

3 tablespoons cornstarch	$\frac{1}{4}$ cup juice
$\frac{1}{4}$ teaspoon salt	
$3\frac{1}{2}$ cups cherries (canned)	1 cup sugar
	1 tablespoon butter

Mix cornstarch, sugar, salt and juice in saucepan, add cherries and butter and bring to a boil. Pour filling into lower crust, add top crust and bake as mentioned above.

**It Took Practice**

Between the time that Carolyn won the Dickinson county pie-baking contest and the state meet at Manhattan, she did a lot of practicing. In fact, she baked 26 cherry pies! She has been a member of the Willing Willowdalers 4-H Club for 9 years and during 7 of those years she has carried food preparation. A glance at her project program during 1950 shows that she took

as many phases of foods as is possible. Carolyn ranked second in Kansas in the 4-H girls' record project the past year. She has won 55 ribbon placings at county and state fairs.

Another Carolyn, Carolyn Peterson, 17, from the Happy Valley 4-H Club of Comanche county, was runner-up in the state contest. Her recipe differs somewhat from that of Carolyn Fields and is given in the amount for 2 pies.

**Cherry Pie Filling (2 pies)**

2 cups sugar	2 tablespoons lemon juice
4 tablespoons cornstarch	4 tablespoons butter
2 tablespoons flour	2 No. 2 cans cherries (water pack)

Drain juice from cherries and add sufficient water to make 2 cups of liquid. Then combine sugar, cornstarch and flour in sauce pan. Mix well. Stir in cherry juice. Bring to a boil over moderate heat. Boil until clear and thickened, about 1 minute. Add butter, lemon juice and cherries. Set back while making crust.

**Pie Crust (2 pies)**

$4\frac{1}{2}$ cups flour, sifted	$1\frac{1}{2}$ cups shortening
2 teaspoons salt	$\frac{3}{4}$ to 1 cup water

Blend together flour, salt and shortening with a pastry blender until crumbly. Add water in small amounts, mixing with a fork, until dough holds together. Divide into fourths and roll each out on floured board. Place in pie pan and trim close to rim. Pour cherry filling in crust. Moisten edge with water and put on top crust. Flute edges and bake in hot oven (450° F.) for 10 minutes, then reduce heat to 350° F. and bake for about 30 minutes.

Almost all the girls used canned cherries, altho a few preferred frozen cherries. The contest was conducted in the food laboratories in Calvin Hall on the Kansas State campus.

Georgiana Smurthwaite, state home demonstration leader and Mary Fletcher, Extension foods specialist, judged the pies for flavor and appearance. Elsie Lee Miller, department of foods and nutrition and Vera Ellithorpe, home management specialist judged on methods. The poise and personality factors were rated by Bud Fiser, secretary

**Etiquette Leaflet**

"How to Make Introductions" is the name of a new leaflet we have just written. It gives all rules on how to introduce people to one another—men, women, the young, the old. A few simple rules are outlined on how to introduce people and how to make friendly responses that lead to lasting friendships.

This leaflet should be of use to 4-H Club groups and other young people's organizations. Write to Home Service Editor, Kansas Farmer, Topeka, and enclose 3 cents for cost of mailing.

of the Manhattan Chamber of Commerce.

After the contest was finished, more than a hundred county folks and college faculty gathered in Calvin lounge for a reception and refreshments of hot tea and cherry pie. President and Mrs. James McCain were special guests and carried home a blue-ribbon cherry pie. Announcement of winners was made over radio station KSAC direct from the reception.

Alvin Hostettler, president of the Manhattan Chamber of Commerce presented ribbons to the girls, purples to the 2 Carolyns and blue ribbons as follows:

Blue ribbons: Virginia Palmer, Republican county; Barbara Beye, Pawnee; June Eckert, Barton; Vesta Shaw, Lyon; Delores Abraham, Butler; Lenora Hoover, Cowley; Lois Perry, Shawnee; Betty Bartel, Marion; Mary Schwinn, Leavenworth.

**For St. Patrick's Day**

The playlet, "Peggy's St. Patrick's Day Party," requires 8 young folks, one at the piano, all sing and harmonize. Included in the playlet are such good old Irish songs as "I'll Take You Home Again, Kathleen," and "Come Back to Erin." If you need a school or community program, you will find this playlet quite suitable. The Entertainment Editor, Kansas Farmer, Topeka, will send you without delay, copies of this leaflet at 5c each.

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If your discomforts are due to these causes, don't wait, try Doan's Pills, a mild diuretic. Used successfully by millions for over 50 years. While these symptoms may often otherwise occur, it's amazing how many times Doan's give happy relief—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

**Spring Fashion**



9258—Tiny tot's one-piece dress. Sizes 1 to 5. Size 2 dress, 1½ yards of 35-inch; bonnet, ⅝ yard; cape, 1⅜ yards 39-inch material.

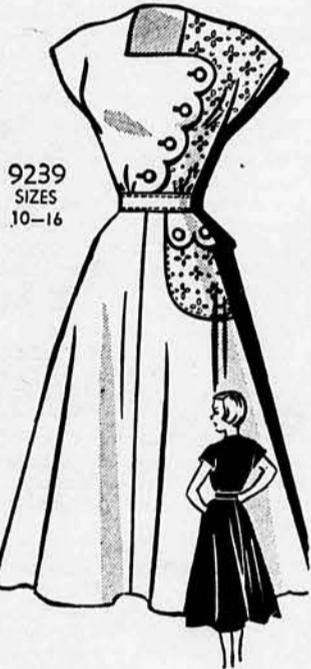
9355  
SIZES  
12-20

9355—Smooth-fitting dress with stand-up collar. Sizes 12 to 20. Size 16 takes 3¾ yards; ⅝ yard contrasting 35-inch material.

9239—Teen-age dress with slant scallops and big pocket. Sizes 10 to 16. Size 12 takes 3¾ yards; ½ yard contrasting 35-inch material.

T9323—Slenderizing, youthful with crisp revers and gored skirt. Sizes 34 to 50. Size 36 takes 4 yards; ⅝ yard contrasting 35-inch material.

4535—Dress with cool sleeves and colorful embroidery at shoulders. Sizes 34 to 48. Size 36 takes 4½ yards of 39-inch material. Transfer included.



9239  
SIZES  
10-16



T 9323  
SIZES  
34-50



4535  
SIZES  
34-48



9336  
SIZES  
12-20  
30-42

9336—Dress for sheer or eyelet. Sizes 12 to 20; 30 to 42. Size 16 takes 4¼ yards of 35-inch material.

Pattern Numbers	Size	Name
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Pattern numbers starting with T are 80 cents each, other 25 cents. Fill out coupon above, enclose money or stamps and send to Fashion Editor, Kansas Farmer, Topeka, Kan.

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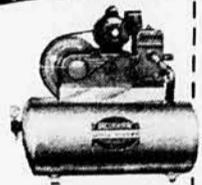


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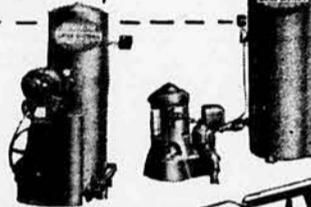


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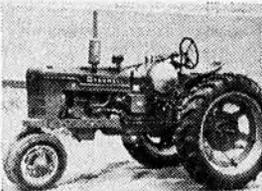
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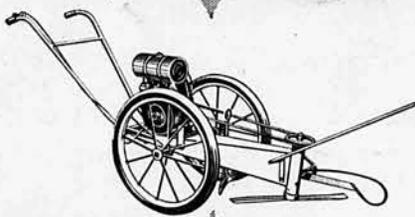
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**"I'd Like a Good Rain"**

(Continued from Page 8)

per cent of normal total for June. Rain in both storms, it was claimed, came down gently over a longer time than normal for rains in that area, with a minimum resulting erosion.

During both "rain increasing" operations, Doctor Krick claims farms surrounding Horrigan ranch got some of the additional rain, but not to the extent of the increase on Horrigan land, toward which the cloud-seeding operation was targeted.

During July, 1950, Doctor Krick's corporation operated in a New Mexico target area covering 7 towns and their surrounding ranches. His company claims rain increases in the target area ranging from 156 to 419 per cent of normal for the month.

Ranchers in the target area were convinced. They recently organized and offered Doctor Krick's company a \$25,000 contract for rains to be delivered during their critical growing period.

**Can't "Make" Rain**

Actually, these scientists can't "make" rain. Doctor Krick himself is quick to say no one can make rain fall from an unfavorable sky. But, he adds, properly trained men using the right equipment can increase the amount of rain in a given area.

There are farmers and ranchers in Western Kansas who believe a cloud-burst at Gove last summer was caused by "cloud-seeding" operations in the mountain areas. We investigated these beliefs, and found this to be true:

During most of July and all of August, 1950, 3 field supervisors and 14 technicians from Doctor Krick's company were operating over about 35,000 square miles of Northeastern New Mexico and Southeastern Colorado. Eleven mobile silver iodide generators were located over the area and used to seed cloud formations when conditions were favorable.

Doctor Krick says: "A study of rainfall amounts for the period of seeding shows greatest amounts of rain 'increase' fell in the south central portion of the target area and downwind in Kansas."

While Doctor Krick thus claims some credit for increased rainfall in Kansas he would be quick to deny his seeding operations could cause such storms as that at Gove. "Cloud seeding modifies rather than intensifies storms because seeding 'smooths out' the storms," he claims.

Other scientists seem to bear him out on this. In fact, one real promise of cloud seeding is that hailstorms may be broken up and forced to become rain instead of the usual hard pellets that annually cause so much damage. Someday, farmers living in hail zones may be protected by men and equipment stationed at strategic points to watch for and attack hailstorms. In fact, some of this kind of work already is being done in Oregon and Washington fruit areas.

The company headed by Doctor Krick is only one of many companies and agencies carrying on ground and air

cloud-seeding experiments to see whether rain and snow can be controlled.

"Project Cirrus" probably is the most extensive. It is a co-operative research investigation in cloud physics sponsored by the Signal Corps of the United States Army and the Office of Naval Research, in consultation with General Electric Co. The project, begun in 1947, is intended to obtain a more complete understanding of the physical processes in the atmosphere, such as the formation, growth and dissipation of clouds.

The report of Doctor Krick is the most optimistic of all the rain-increase studies being made in the United States at this time. Other scientists working on such projects report results ranging from "little or none" to "moderate" increases in rain or snow due to cloud seeding.

An official committee of the American Meteorological Society, appointed to look into the claims of rainmakers, has reported "the possibility of artificially producing any useful amounts of rain has not been demonstrated so far."

You will remember the papers last winter were full of news stories about the efforts of a Dr. Wallace Howell to increase rainfall for the depleted New York water supply. The city paid Doctor Howell \$100 a day for his service.

**Difference of Opinion**

Dr. Bernard Haurwitz, chairman of the department of meteorology at New York University and chairman of the committee to investigate all rain-making claims, has this to say: "I personally do not believe last winter's rain-making efforts by Doctor Howell resulted in any appreciable amount added to New York's reserves."

In discussing any possible rain-increasing efforts in Kansas, A. B. Cardwell, head, department of physics, Kansas State College, says:

"No method so far developed is likely to produce sufficient rainfall to relieve drouth under conditions of inadequate supply of moist air—a condition that almost always exists during a serious drouth.

"This is particularly true in Kansas," Mr. Cardwell continues. "During periods of deficient rainfall, our skies generally are clear and free from any sign of moisture-containing clouds. Moisture-containing clouds must be present before seeding is effective. Actually, a cloud 2 miles thick will produce only about .14 of an inch of moisture."

One big stumbling block to wide-scale experiments on rain or snow increase is danger of lawsuits from persons who might be damaged by "man-induced" moisture at a given time.

As Doctor Krick points out in his report: "The wheat farmer would like very much to have 4 or 5 feet of snow fall on his land during winter. But the stockmen would be greatly alarmed by such an event. The requirements of a power company are different from those

(Continued on Page 37)



**THIS RAINSTORM** in New Mexico was started by cloud seeding, it is claimed. The storm dumped a million acre feet of moisture in New Mexico, and rains followed all thru Southern Kansas to Kansas City, weather makers say. (Official U. S. Army Signal Corps Photo.)

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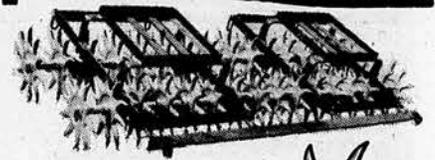
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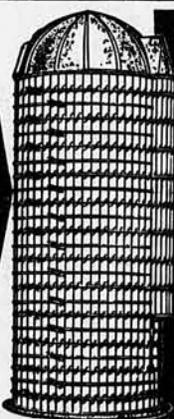
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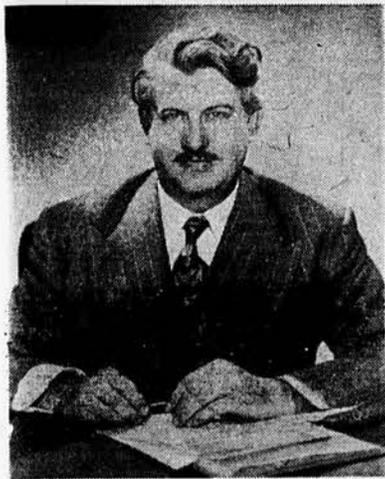
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**CAN HE CONTROL rain and snow? Dr. Irving Krick, president of Water Resources Development Corporation, Pasadena, Calif., whose company is being hired by ranchers, power companies and cities to increase rain in certain areas.**

of the vegetable farmer, and the needs of those using irrigation for farming, whose water can be stored, may be at odds with the stockman who is most interested in rain when grass or feed crops can best benefit."

Writing in the Public Power magazine, Roscoe Fleming reports the California Electric Company has been hiring contract cloud seeding for the last 3 years to fill reservoirs for power production. Mr. Fleming reports the company claims it has got 14,300,000 extra kilowatt-hours out of its high-mountain generators in the Sierra Nevadas, at a cost of about 1.5 mills a kilowatt-hour.

What does the U. S. Weather Bureau think of all this rain-tinkering business? Here is a statement recently sent

exclusively to *Kansas Farmer* by Harry Wexler, chief, scientific services division, U. S. Weather Bureau:

"The Weather Bureau is at present analyzing operations of the California Electric Power Company, those of the City of New York, and certain of those of Project Cirrus. No report is ready at this time.

"At present we feel it has not been satisfactorily or scientifically demonstrated that cloud seeding has ever substantially increased rainfall in a given region. More years of testing are needed before we can possibly say how much of the rain was natural and how much 'induced' by seeding."

Then Mr. Wexler continues: "The Weather Bureau, in co-operation with the Air Force, conducted 170 cloud-seeding flights in Ohio, California and the Gulf Coast from January, 1948, to June, 1949. In most cases no precipitation at all was produced from the base of the cloud, and in those where it did occur, it was raining naturally within 30 miles. In a great majority of cases the entire cloud was dissipated following seeding.

"The use of a ground silver iodide generator introduces other elements of uncertainty," he continues, "since there is no way at present to tell where the smoke has gone. Also it has been found that silver iodide loses its effectiveness rapidly when exposed to sunlight."

So there you have a few of the pros and cons. According to Science Service, an effort now is being made to bring everybody together—those who are making big claims and those who pooh-pooh results—in an attempt to find a common ground of understanding.

In the meantime farmers don't know whether to cheer or tremble. At a recent meeting of the Colorado Farm Bureau a public debate was held on the subject of cloud seeding. The debate was headed: "Will Control of the Weather by Man Be a Promise or Menace?"

### Form Weather Improvement Association

Interest in "man-made control" of weather is so keen and widespread a new group known as the National Weather Improvement Association has been organized this winter.

President of group is Harvey Harris, rancher of Sterling, Colo. Oliver Dilling, Connell, Wash., wheat grower, is first vice-president; Albert Mitchell, rancher and past president of American Livestock Association, Albert, N. M., is second vice-president; Don Aldrich, Eads, Colo., rancher and farmer, is third vice-president; and Glenn Saunders, Denver Water Board attorney, is treasurer; Jim Wilson, landowner and agricultural writer of Fort Collins, Colo., is secretary and news-service chief.

"Our purpose," says Mr. Wilson, "is to insure that these weather-improvement developments proceed in an orderly fashion, and that this great new force is directed into constructive channels for best interests of the whole country."

### Kansas Corn Hybrids Win Oklahoma Tests

SOME Kansas hybrid corn varieties have rated tops for 2 straight years in Oklahoma corn performance tests. The tests are conducted by the Oklahoma Agricultural Experiment Station. In both the 1949 and 1950 competition, Tomson Hybrids of Wakarusa made the top records. Hybrids entered in the Oklahoma tests are all offered in the state for sale during 1951. Tomson variety K2234 recorded the highest yield among 147 entries at 120.2 bushels per acre. The same variety also had the highest average yield of all entries in a series of 10 different test locations. Tomson entries produced an average of 74.7 bushels to the acre.

In 1949, Tomson hybrid K2234 averaged first in a field of 49 medium-maturing varieties, and second in the full field of 147 entries.

#### Nemaha County Is Top Corn County

Nemaha county was number one "corn county" in Kansas in 1950. That county took corn production honors with a yield of 4,357,000 bushels, according to the Kansas State Board of Agriculture. Marshall county was second with 4,231,000 bushels. Brown county, 1949 champion, was third with 4,168,000 bushels—600,000 bushels more than in 1949. Republic county's production was over the 3-million-bushel level. These counties each produced more than 2 million bushels—Doniphan, Dickinson, Jackson, Jewell, Miami, Pottawatomie, Smith and Washington.

In yield per acre, Doniphan county was first with 44.7 bushels. It was the 7th time in 8 years this county had highest yield. Brown county was second with 44.3 bushels. Pottawatomie had an average yield of 43.9 bushels and Riley county, 42.8 bushels.

#### Kansan Re-elected

Verne V. Albrecht, Smith Center, recently was re-elected president of the United Duroc Record Association at the annual meeting held in Peoria, Ill.



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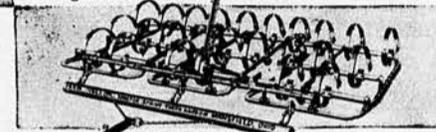
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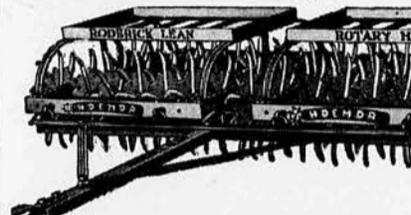


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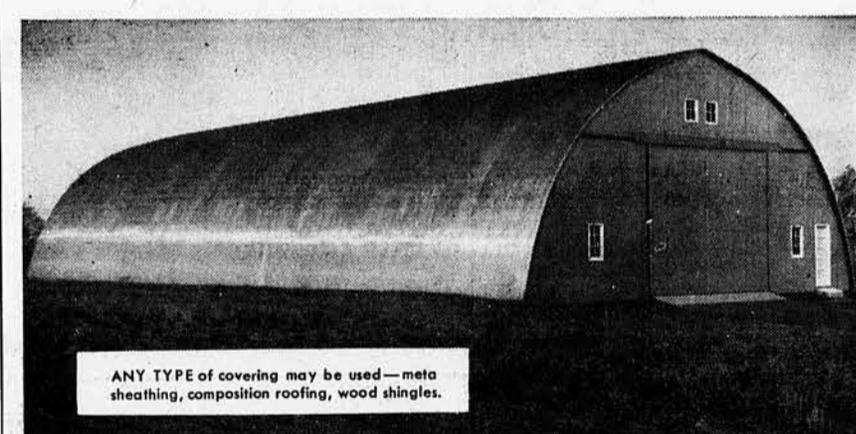
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#### Rules of Order

We have prepared a new leaflet which gives the most necessary rules of order used in women's club meetings. It may be used as a drill to acquaint all members with the rules. It includes election of officers, constitution, by-laws, how to make a motion, amendments, discussion, responsibilities of officers, duties of committees, voting and order of business. Send 3 cents for cost of mailing to Home Service Editor, Kansas Farmer, Topeka.



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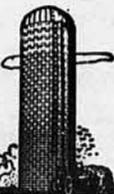
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## How Does Your Farm Look?

(Continued from Page 1)

their farmsteads of rubbish and old machinery, and made what repairs they could."

Response was very good. Twenty-one of the 26 students entered the contest and made definite improvements. Farmsteads were examined by judges in spring before the contest started and again in fall after the contest ended. Judges were R. G. Cremer, comptroller at Emporia State College; V. D. Milner, Emporia insurance man, and R. M. Roberts, of The Emporia Gazette.

Merchants co-operating included the Nickelson Lumber Co., Neosho Valley Nursery and the Farmers' Supply Co. When judges visited farms in spring they took score sheets and rated each

ever, the real value of the contest was in improvements made during the summer. "Real value of the contest," says Mr. Marcotte, "was it made me really think about how my place looked. I knew a lot of things needed to be done but just never got around to them. Now that I see what can be done I have a lot more things planned."

First on the list will be painting the house—using paint won as the first prize in the contest. Other farmstead improvements planned by Mr. Marcotte include providing for grain and hay storage and a loafing shed.

Vernal Fehr, winner of second place in the contest, made most of his improvements in the barnyard. He put up some new corral fences, installed attractive and easy-to-operate gates, and built a 16-foot hay-storage extension on his old barn. He also dug 1,500 feet of ditches to bring water from a farm pond to his livestock and poultry.

Albert Blaufuss, third-place winner, cleaned up brush in his yard, tore down an unsightly outbuilding, built new walks around the house, built new corral fences, a new feed bunk and a new pole-type loafing shed. He is working now on a straw loft in his poultry house.

"I plan to put a water system in the house next year and to fence off the yard to keep chickens out," says Mr. Blaufuss. Like Mr. Marcotte, both Mr. Fehr and Mr. Blaufuss say now they are started, they plan to go ahead and make many additional improvements.

It is difficult to measure the value of such a farmstead-improvement contest, Mr. George believes. "We know those in the contest will continue to benefit thru further improvements and many of their neighbors will be encouraged to follow suit."

### House Plants

If you need more information regarding care of your house plants, Kansas State College Experiment Station has an authentic bulletin which may be ordered free as long as the supply lasts. Kansas Farmer's Bulletin Service, Topeka, will be glad to order a copy for you. Please ask for Circular 184, "House Plants and Their Care." There is no charge.

farm as it looked to them at the beginning of the contest. Then, in the fall, they scored each farm on improvements made.

Here are some things the judges looked for:

Is there provision for a good vegetable garden?

Are poultry house, garage, shop, barns and corrals arranged to give best possible service?

Does farm owner show originality in making his farmstead both serviceable and attractive?

Have trees been used to frame the farmyard, and has a good windbreak been planted?

Are shrubs, vines and grass being used to good advantage?

Are weeds being kept down and lawn given care?

Does barnyard show need of paint and repairs? Are barns and sheds safe, as sanitary as possible, and are they attractive?

Is service area neat or cluttered? How about yard fences, clothesline, walks, gates, and the drive area?

### First-place Winner

First place in the contest was won by Lewis Marcotte, whose main efforts were centered on a general clean-up of the premises. "I hauled 6 hayrack loads of junk out of my driveway and service area," he says. "Before the contest started I had machinery scattered all over the place. Now it is all in one place—out of sight behind one of the barns."

Mr. Marcotte does not believe, how-

### Paper Towels Aid Milk Letdown

Damp paper towels are as effective as a damp cloth in massaging a dairy cow's udder to stimulate milk letdown and for cleaning the udder. G. H. Beck, of the Kansas State College dairy husbandry department, says paper towels might be more suitable than cloth because of their convenience.

### Safe Water Important

An authoritative booklet with illustrations, gives quite complete information on a safe water supply for the farm. It is published by the USDA, entitled, "Safe Water for the Farm," No. 1978. Its 46 pages contain many subjects of interest to the man who is planning a permanent water system. All interested may send to Bulletin Service, Kansas Farmer, Topeka, for a copy of this booklet. Price 3c.

### Champion Hereford Females at Denver



Pictured here are champion and reserve champion Hereford females of the 45th annual National Western Stock Show, Denver. Top spot went to Miss Lurette (right) with Jim Hering of McGregor, Texas, at the halter, and the reserve champion CK Cameo 86, owned by CK Ranch of Brookville, Kansas, with Joyce Vanier at the halter. (Photo by American Hereford Association)

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**Price Fixers Muddled**

(Continued from Page 9)

Present plan is to "tailor control" every other farm commodity as its farm price reaches parity, if the meat tailored prices prove to be even fairly workable. In the offing appear to be the more highly processed canned fruits and vegetables, shortenings and oils, baked foods, in line for tailoring. What is anticipated is a strictly tailored price controls on a comparatively few major food items, other foods free from price controls, unless consumers run prices of these up by switching to them in large numbers.

Government maintains price controls on what the farmer buys will check the rising costs for farmers. Department of Agriculture estimates net farm income will go up 15 per cent for 1951 over 1950—in dollars. If inflation does not cut the purchasing power of the dollar correspondingly, then the farmer will be better off financially than before.

Look for publication of several "stop" prices for grains in terminal markets in the very near future. These figures will translate legal minimum farm price ceilings into terminal freeze prices, as the grain commodities reach parity prices at the farms.

Wayne Darrow, in his Washington Farmletter, estimates the following "terminal freeze prices"—based on January parity:

Wheat, No. 2 hard winter, Kansas City terminal freeze price, \$2.63-\$2.64; corn, No. 3 yellow, Chicago, \$1.89-\$1.90; oats, No. 3 white, Chicago, \$1.08-\$1.09; barley, No. 1, Minneapolis, \$1.72-\$1.73; rye, No. 2, Minneapolis, \$1.95-\$1.96; grain sorghums (cwt.) No. 2 milo, Kansas City, \$3.38-\$3.40; flaxseed, No. 1, Minneapolis, \$4.84-\$4.85; soybeans, No. 2 yellow, Chicago, \$3.33-\$3.34.

Congress is showing no signs of falling over itself in its hurry to enact President Truman's 10-billion-dollar tax increase into law before next June or July. The President recommended a

10-billion increase immediately; then another 6.5 billion by midsummer.

General Eisenhower apparently has failed to convince Congress that a feasible plan of defense against Russia, that will "save" Europe, has been worked out. But he expresses hope that one can be. And the United States is obligated to make the attempt, if the people of Western Europe give evidence they will help defend themselves.

He did advocate sending ground forces to Europe, on a ratio basis, but did not pin himself down to what the ratio should be. Senator Taft last week came up with a proposed 1-to-9 ratio; one American division for each 9 comparable European divisions.

And General Eisenhower, while as general in uniform backing the policy and programs of the Commander-in-Chief of the U. S. armed forces, in his "report" to members of Congress, also apparently backed the Hoover and Taft positions in 2 respects.

1. He warned that national bankruptcy would result in the failure of any plan for defense; we should make sure that "the United States is not being made merely an Atlas to carry the load on its shoulder." (In Greek mythology Atlas carried the world on his shoulders.)

2. Build a "large mobile reserve" in this country, that could be used abroad if our Allies do their part toward mutual defense.

Some of our "liberals" who want to be sure to remain in government—and in power—have worked out a formula: Both parties nominate Eisenhower for President; each party to nominate its own candidate for vice-president. Thus, they argue, the 2-party system will be preserved—presumably like they would preserve private enterprise but have government ownership or control of major industries, electric power, transportation and communications, banking and finance, and education.

**Marketing Viewpoint**

By Harold M. Riley, Livestock; John H. McCoy, Feed Grains; Joe W. Koudele, Poultry and Eggs.

*I have a bunch of fall pigs I am heading toward a late-March market. With present price ceiling wouldn't it be desirable to hold these hogs longer and feed to heavy weights?—F. B.*

Conditions indicate the January 25 price freeze on livestock is of temporary nature to the extent that more-detailed provisions will be announced later. In general the January 25 order provided that ceiling prices for pork and lard would be set at parity level. By late January live-hog prices were at or near parity level (\$20.60) calculated on January 15.

It seems probable altho meat prices in general tend to strengthen during spring, live-hog prices may show some seasonal decline from late March until May. Last fall's pig crop was 9 per cent larger than a year earlier indicating pork supplies will be large this spring. It also seems likely ceiling prices for pork products may be set up so as to recognize the normal seasonal price trends. If this action is taken, it would tend to force hog prices down during April-May period.

Another factor to consider is that corn prices are now below parity, and it seems probable they will rise during spring. This would narrow the hog-corn ratio and would discourage feeding to heavy weights.

Rising lard prices have influenced a narrowing of price spread between light and heavy hogs, but the probability of a seasonally adjusted ceiling on pork products, large market supplies of hogs this spring, and rising corn prices seem to favor marketing early at weights below 250 pounds.

*What trend is expected in wheat prices during the next 30 to 60 days?—H. K.*

During the next 30 to 45 days wheat prices are expected to decline erratically. Condition and progress of the new crop and political and military developments will be major factors in price trend during balance of current crop year.

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**WILL you Remember?:** Alexander Graham Bell, inventor of the telephone, once told his family he would rather be remembered for his teachings to the deaf.

**Meat for the Masses:** America produced 32 per cent of the world's meat supply in 1949. This tremendous supply of meat was made possible by the production of 5 billion, 283 million meat animals.

**Gone on Vacation:** Sixty million Americans take vacations in their automobiles each year.

**Secretary:** America did not have a Secretary of Agriculture until one was added to the President's cabinet on February 11, 1889.

**Tons and Tons:** Kansas farmers used a total of 127,438 short tons of fertilizer in 1949. That's an increase of 112,993 tons over the 1939 total of 14,445 tons.

**Producing Our Food:** In Revolutionary times 9 out of 10 Americans worked at producing food. Today, only 1 adult in 5 works on farms or produces food.

**Beginner:** A man named Lucius is believed to have operated the world's first chain of grocery stores in ancient Rome.

**Even Numbers:** An ear of corn always has an even number of kernel rows.

**Babies for Bossie:** About 3 million dairy cows were enrolled in artificial breeding associations in America in 1949. The U. S. Department of Agriculture estimates 1 cow in 9 was bred artificially in 1950. A total of 5,725 Kansas cows were bred artificially in 1949.

**Over the Waves:** The story of how an American hatchery operates will be beamed to Europe and the Far East by the State Department's "Voice of America" broadcast.

**Outdoor Ads:** Outdoor advertising along streets and highways is a \$125 million business, employing 25,000 persons in about 1,000 firms.

**Every Day, Every Hour:** The U. S. Chamber of Commerce says the federal government is going into debt at the rate of 15 million dollars per day. Government costs amount to about 6 million dollars per hour.

**Degree for Daughter:** A total of 130 women received bachelor of science degrees in agriculture from American colleges or universities in 1948. The total for the men was 4,982.

**Scientists at Work:** The United States government, jointly with other American governments, maintains and develops inter-governmental agricultural experiments in Ecuador, El Salvador, Guatemala, Nicaragua, Peru, Bolivia and Cuba.

**On the Up and Up:** The U. S. Department of Agriculture says that the population of the United States increased nearly 2 million persons every year from 1940 to 1948.

**Happy Birthday!** The Connecticut Agricultural Experiment Station recently celebrated its 75th birthday.



"What do you mean, 'Throw myself on the mercy of the court!' The judge is my mother-in-law!"

Oldest in America, it was established July 20, 1875, by Samuel W. Johnson, one of the country's pioneer agricultural scientists.

**Roll out the Barrel!** Fifty years ago America had only 16 oil-producing states with a 2½-billion-barrel crude oil reserve. Today, there are 26 oil-producing states and the reserve is 24.6 billion barrels. Ten more states and 10 times as much reserve oil in 50 years!

**For Better Crops:** Farmers in the Netherlands on the average use from 15 to 20 times as much fertilizers as American farmers. They apply about 55 pounds of nitrogen to the acre, 90 pounds of phosphorus, and about 85 pounds of potash.

**A Yam Is a Yam:** The sweet potato is not a yam, but belongs to an entirely different family. It's believed the name "yam" may be a corruption of an African word pronounced "nyam." Negro slaves brought the name to America and applied it to the sweet potato.

**No More Chopping:** The world champion wood chopper is retiring. He is Peter McLaren, of Australia, who became "King of the Wood Choppers" in 1905. He appeared in 500 contests.

**Ovine Economy:** On the New Zealand islands there are 20 sheep for every person. Ninety-five per cent of the farm land is grazed rather than farmed.

**White-collar Farmers:** There are about 3,000,000 "city farmers" in America who grow most or all of their food. This total is made up of industrial or white-collar workers who work their land in spare time, says Crosley Motors, Inc.

**Tractor Invasion:** There were 4,002,000 tractors of all types on U. S. farms on July 1, 1950, says Farm Implement News. These included 3,442,000 wheel tractors, 150,000 crawler tractors, and 410,000 garden tractors.

**Growing Pains:** It took 200 centuries of cultivation to develop the corn plant to its present state. It started out as a wild grass in what is now Central America. It was the mainstay of the ancient Inca and Aztec civilizations.

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## from Hy-Line\* RESEARCH

Hybrid corn research gave you many more bushels per acre over old open pollinated strains. Now—Hy-Line research gives you hybrid chickens with greater egg laying capacity. This BIGGER EGG PRODUCTION results from hybrid vigor and bred-in qualities obtained by crossing superior inbred lines. Research gives you high-speed Hy-Line layers with capacity to keep producing at an average of 50% to 80% for 12 to 14 consecutive months.

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In 1949-50 tests, 34 Kansas farmers raised Hy-Lines and crossbred or standard-bred chickens under the same conditions (usually housed together with a wire partition separating the two groups. Each farmer kept daily egg records. And, for the year:

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### See our Certified Seed Section

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KANSAS CERTIFIED SEED

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Fields examined before harvest by competent inspectors. Kansas Certified Seed must be labeled with the official tag which when properly filled out complies with Kansas Pure Seed Law. These protective measures are your guarantee of superior seed.

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Hybrid Corn — Oats  
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You name it — We supply it  
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Especially adapted to the northern half of Kansas. Holds ears. An excellent mechanical picker Hybrid.  
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**Certified Madrid Sweet Clover** 40c. Achenbach Brome 30c germination 80% otherwise certifiable, very heavy. Certified Kansas Hybrids: K1639 yellow \$9.50. Herbert T. Niles, Lebo, Kan. Phone 1258 US523 W. \$10.50.

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**Midland Milo** at prevailing prices. 91% germination. J. V. Borgstrom, Windom, Kan.

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Finest Quality  
**U.S.13 K1784 K1639 K1585**

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Germination 97%. Purity 99.5%  
Home Grown Kansas Hybrid Seed  
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SABETHA, KANSAS

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All flats—\$8.50 per bushel  
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We pay freight on all orders of 3 bu. or more.

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Exceptionally Good Quality seed of pure certified Midland Milo, Ellis Sorgo, Norkan and Osage Oats with high germination and purity. Fort Hays Experiment Station, Hays, Kan.

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**Certified Cherokee Oats**—Germination 97%, Purity 99.5%. John Hamon, Rt. 1, Valley Falls, Kan.

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**Certified Ellis Sorgo** seed for sale. Alois G. Urban, Bison, Kan.

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12-lb. Can (Postpaid to 600 mi.) . . . \$3.25

1950 crop. Nice, light, mild honey.  
Satisfaction guaranteed.

**HANN APIARIES, 1715 Lane St., Topeka, Ks.**

We Offer Salted Herring, Heads, inwards removed, 100 pounds, \$10.00, 50 pounds \$7.50. Knarvik's Fisheries, Two Harbors, Minn.

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Manufactured from Water-Proofed Cement. A size to fit your needs.

## K-M SILO COMPANY

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Write today for free literature.

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Very Low Cost Wire Winder. Roll and unroll wire with tractor power and speed. Free literature. Midwest Wire Co., So. St. Paul, Minn.

Plant Sorghum Seed evenly with corn plates. Plan 20 cents. Ed Segequist, Scranton, Kan.

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Sprayers—Over 100 demonstrators and used sprayers, both high and low pressure. These machines are guaranteed and priced at a big savings from \$75.00 to \$1,800.00. We have sprayers for every job. Evans Orchard Supply Company, 305 Delaware St., Kansas City, Mo.

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Tractor Parts Headquarters. 1951 catalog free. Prompt service. We sell for less. Merchandise guaranteed. Acme Tractor Supply Company, Lincoln, Nebr.

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Wanted: Electric incubator 500 to 1,500 egg. Automatic turning trays. Prefer Humidair. Peacock Acres, 7742 Benson, Overland Park, Kan.

Popcorn—Wanted 100,000 lbs. ear popcorn. Will pick up at crib. Ralph Townsend, Box 256, Atchison, Kan. Phone 188.

Pigeons Wanted. Live. Common barn. Large quantities. Highest prices. Russ Elliott, Raytown, Mo.

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

Exciting Hobby—Send \$1.00 for five unique Florida Coast shells. Free illustrated book. Variety Shells, Northern Office, Salem 7, Ind.

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Brand New! Amazingly different and smart Everyday Cards, 21 for \$1. Magic Window Designs. Take easy orders. Make up to 100% cash profit. Big line \$1 Assortments, Personal Stationery, Imprinted Matches. Free imprint samples. Assortments on approval. North Star, 31 Glenwood, Dept. R-63, Minneapolis, Minn.

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Make 50% Selling Seeds. Order twenty 5c packets today. Pay when sold. Daniel Seed Farm, Grantsburg, Wis.

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## RATS AND MICE CONTROLLED SAFELY AND EFFECTIVELY

Rid your premises of rats and mice with new Evans Warfarin Rat and Mouse Killer. Relatively to use and very effective. Developed by the University of Wisconsin and recommended by the U.S.D.I., Fish and Wild Life Service, Branch of Predator and Rodent Control. Price for 1 lb., \$1.00 or 12 lb. carton \$8.00 postpaid—with complete instructions for use. **EVANS ORCHARD SUPPLY CO.**, 303 Delaware St., Kansas City, Mo.

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Bursan Laboratories, Dept. R-51, Chicago 22, Ill.

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

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

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Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Bursan Laboratories, Dept. E-54, Chicago 22, Ill.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

Weave Rugs, Etc.—Profitable spare time home occupation. 31,000 doing it with \$53.50 Union Looms. Free booklet, Union Loom Works, Box 418, Boonville, N. Y.

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K. Topeka, Kansas.

FARMS—KANSAS

Electricity installed . . . abundantly-watered 480-acre eastern Kansas farm, rather secluded yet only short drive county seat town, good set buildings! On gravel road, all pick-up routes, electric line, 3 1/2 miles high school, other conveniences; 175 acres subject to cultivation, additional tillable, creek, spring, and pond-watered pasture scattered timber; good income record reported; 6-room house, electric lights, part basement, phone installed, well, good 96x100 barn, windmill, good 10x28 poultry house, very good 8x12 brooder house, double granary with driveway, cattle shed, dandy buy for the catterman at \$19,000. Details page 59 new free Spring catalog many states. United Farm Agency, 2825-K2AF Main St., Kansas City 8, Mo.

## Holstein Breeders Win National Award

R. L. Evans and Son, of Hutchinson, have qualified for the 8th consecutive year for the Progressive Breeders' Award of the Holstein-Friesian Association of America. According to the association, this honor is the highest recognition bestowed upon a breeder of registered Holstein-Friesian dairy cattle. The honor has been achieved by only 172 Holstein breeding establishments in the entire nation.

In order to achieve the award, a breeder must meet strict qualifications in all phases of dairy work, including production, type improvement, herd health and progress in development of home-bred animals. A bronze year plate will be presented to Mr. Evans and his son in the near future at a Holstein breeders meeting. It will be added to the bronze plaque awarded when the Evans herd first achieved the honor.

## Kansas Weights Are Accurate

Kansas official weights have had excellent care and meet high accuracy standards. This was according to word received from the National Bureau of Standards by J. Fred True, State Sealer of Weights and Measures for the Kansas State Board of Agriculture. True recently had all Kansas official weights tested by the Bureau to insure they were as accurate as possible, following recommendation of the Federal Bureau that official weights be tested every 10 years. True pointed out that complete sets of all weights are kept at the Weights and Measures office as official Kansas weights and used for checking field test weights. These official weights are not used for scale testing as such work would rapidly alter their accuracy.

## Kansas Scales Are Accurate

Kansas truck and wagon scales are rapidly improving in accuracy. They measure the flow of a billion-dollar agricultural industry. Roy Freeland, secretary of the Kansas Board of Agriculture, says the scales are among the most accurate in the nation.

Kansas scales have been inspected recently and tested with 2 heavy test trucks. Freeland says rapid improvement in accuracy of Kansas scales is due to several factors. Scale owners are willing co-operators, as are scale manufacturers. The workmanship of scale repairmen is careful. Also, Fred True, head of the Division of Weights and Measures, has performed outstanding service.

## Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed . . . . .	\$38.90	\$37.00	\$26.75
Hogs . . . . .	23.25	20.75	17.75
Lamb . . . . .	38.50	35.00	26.50
Hens, 4 to 5 lbs. . . . .	.30	.28	.21
Eggs, Standard . . . . .	.39	.38	.30
Butterfat, No. 1 . . . . .	.68	.68	.55
Wheat, No. 2, Hard . . . . .	2.52	2.41	2.24 1/2
Corn, No. 2, Yellow . . . . .	1.72	1.70	1.29
Oats, No. 2, White . . . . .	1.03	1.01	.82
Barley, No. 2 . . . . .	1.53	1.54	1.12
Alfalfa, No. 1 . . . . .	36.00	36.00	27.00
Prairie, No. 1 . . . . .	17.50	18.50	14.00

## Livestock Advertising Rates

Effective February 1, 1951

1/2 Column inch (5 lines) . . . \$3.50 per issue  
1 Column inch . . . . . \$9.80 per issue  
The ad costing \$3.50 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

**MIKE WILSON, Livestock Editor**  
912 Kansas Avenue  
Kansas Farmer - - - Topeka, Kansas

FARMS—MISCELLANEOUS

New Strout Catalog—Spring issue, just out! Farms, homes, country businesses, etc. Our 51st year. World's largest! 3,084 outstanding bargains, 33 states. Mailed free! Buy now, beat inflation. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

Own a Farm in the agricultural center of the United States. Write for our latest catalog describing many productive farms. Suiter Farm Company, Realtors, 1016 Baltimore, Kansas City, Mo.

800 Acres Cheyenne County, Colo. Improved stock-grain farm. 640 acres adjoining plow ground under lease. Price \$28,800. Terms. Louis Miller, Frankfort, Ind.

SEEDS

## ALFALFA SEED

Hardy Midwest Grown Processed Alfalfa Seed Sweet Clover, Red Clover; Lespedeza; Ladino Clover; Kansas Brome; Timothy; many other seeds. Lowest direct to you prices, quick service, satisfaction guaranteed. Save money by mailing postal now for pamphlet, prices and large samples.  
**JACK BOWMAN, Box 615, Concordia, Kan.**

## LESPEDEZA SEED

Korean, from the best producing area, thoroughly recleaned, no bindweed, tested, tagged; buy now while BEST seed is available.  
Korean prices: Pure Germ. 100 lbs. 500 lbs.  
Extra fancy . . . 99 1/2% 92% \$8.50 \$41.25  
Fancy . . . . . 98 1/2% 90% \$8.00 \$38.75

### Early 19604 Lespedeza

Ten days to two weeks earlier, 6 inches taller than Korean; makes more hay; earlier pasture; matures seed before frost.  
Early 19604 prices: Pure Germ. 100 lbs. 500 lbs.  
Extra fancy . . . 99 1/2% 90% \$13.50 \$67.00

### Iowa 6 New Early Lespedeza

Extra fancy . . . 99 1/2% 90% \$15.00 \$74.50  
Write for quotations and free catalog.  
Archias' Seeds, Box 55, Sedalia, Mo.

Grass and Legume Seeds—Highest quality Treated Buffalo, Blue Grama, Side Oats Grama, Blue-stems, Sand Love Grass, Red Clover, White and Yellow Sweet Clover, and many others, all at low direct prices. Miller Seed Co., Box 1823, Lincoln, Nebr.

Strawberry Plants, Blakemore, Tennessee Beauty, Aroma, Missionary, Klondike, \$4.00—1,000, express collect. 100 postpaid, \$1.00. Warren Lackey, Harrison, Tenn.

The Better the Bull the better the herd. This is true of field and grass seeds. For prices on top quality seeds either Certified or Non-Certified write Jacks Bean Co., Fort Morgan, Colo.

Madrid Sweet Clover, Recleaned and Scarified, \$28 per cwt. Dan Mahon, Clyde, Kan. Tel. Concordia 72W.

REMEDIES—TREATMENTS

Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCleary Clinic and Hospital, E240, Excelsior Springs, Mo.

HOBBIES—HOMECRAFT

Leathercraft for Pleasure or Profit. Make easy-to-assemble purses, belts, gloves, woolskin toys, 100 other items for gifts or to sell. Send 10c today for big catalog. Largest Leathercraft stock in U. S. J. C. Larson Co., 820 S. Tripp, Dept. 991, Chicago 24.

PLANTS AND NURSERY STOCK

Strawberry Plants—Hardy northern grown, double inspected Duniap, Beaver, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Giant Robinson, Bellmar 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem, Streamliner, Minnesota 1166 everbearing 100—\$2.25; 500—\$10.00. Gladolus—Florist-Mix, 17 Varieties, blooming size 125—\$1.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Ia.

Quick Bearing Fruit and Nut Trees, Shade Trees, Grape Vines, Berry Plants, Everblooming Rose Bushes and Flowering Shrubs at Money Saving Prices. State and Federal Inspected. Satisfaction Guaranteed. Write today for Free Colored Catalogue. East's-Nursery, Amity, Arkansas.

Onion Plants—Crystall Wax, Yellow Bermuda, Sweet Spanish, 300—75c; 500—\$1.00; 1,000—\$1.75; 2,000—\$3.25. Postpaid. Prompt shipment. Culver Plant Farms, Mt. Pleasant, Tex.

FLOWERS AND BULBS

Gladolus, 120 Giant Exhibition Varieties, Giant Dahlias, Tuberous Begonias, Lilies, Cannas. Money-saving specials. Free catalog. Foley Gardens, Freeport, Ill.

FILMS AND PRINTS

## 3c Deckledge Reprints 3c

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

**Summers Studio, Unionville, Mo.**

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

16 Prints or 8 Jumbos from roll, 25c with this ad. 1 Skrudland, River Grove, Ill.

DOGS

Black English Shepherd Pups shipped COD on approval. Breeder 30 years. Special price for this month. H. W. Chestnut, Chanute, Kan.

Registered Collies: English Shepherds (not registered). Spayed females. Really heelers. E. J. Barnes, Collyer, Kan.

CHINCHILLAS

Chinchillas—Easy, profitable, hobby-retirement. Desirable quality. Reasonable price range. Write for literature. Visit. Devine's Chinchilla Ranch, 3300 Gillham Road, Kansas City, Mo.

RABBITS AND PIGEONS

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

**Beef CATTLE**

**REGISTERED ANGUS BULLS**



Popular Sunbeam breeding. Several sons of Prince Enecho, our \$10,000 herd sire. Prices reasonable.

**D-BAR-S RANCH**  
4 miles west of  
Louisburg, Kansas  
on Highway 68

Phone, Paola, Kansas, 680 W-1

**ABERDEEN-ANGUS**

Reg. bull calves for sale. Sunbeam breeding. CHESTNUT & RAILSBACK, Quinter, Kan.

**Dual-Purpose CATTLE**

**PUBLIC SALE**

**27 Head of Milking Shorthorn Cows and Heifers**

Some fresh and some bred. Also complete line of farm machinery

**Wednesday, February 21**  
At the farm 10 miles southwest of  
**Ottawa on Hwy. US 50S**

**A. T. SCHENDELL, Owner**  
Homewood, Kansas

**POLLED MILKING SHORTHORNS**

Polled calves, dark red and dark roan out of large, blocky nice uddered, R. M. Polled Cows, with DHIA records as high as 12,000 lbs. milk and 500 lbs. butterfat. Calves sired by Polled bulls, Classified Very Good, out of cows R. M. classified Very Good and Excellent. A small select, tested, classified herd.

G. W. SHANNON, Geneseo, Kansas

**MILKING SHORTHORNS**

Bull Calves to 8 months of age, out of Record of Merit dams; sired by Imported Iford Earl Gwynne 11th, Neralcam Admiral, Duallyn Campfire. A few heifers for sale with a bull purchase. Inquiry or inspect invited.

**DUALLYN FARM, Eudora, Kansas**  
John B. Gage, Owner Ralph Hager, Manager

**MILKING SHORTHORNS**

2 roan bulls 6 to 12 months old, sired by Retnuh Choice Goods.

E. EDIGER & SONS  
6 miles east, 1/4 south of Inman, Kansas

**Reg. Milking Shorthorn BULLS**

Red and roan 4 to 11 months old, out of RM cows classified Good Plus, Very Good and Excellent.

LESLIE & LESLIE, Goff, Kansas

**BLUE MEADOWS FARM**—Milking Shorthorn baby bull calves and up to serviceable-age ones out of RM cows and herd sire classified V. G. Calves have some of the better bloodlines in Kansas. Wiley Fortner, Fredonia, Kan., Rt. 2.

**Dairy CATTLE**



Registered and Pure Bred  
**WISCONSIN HOLSTEIN CALVES**  
For Higher Production Herds

Exceptional offering of registered and pure bred Holstein, Guernsey and Brown Swiss heifers and bulls from the finest herds. Tested, vaccinated. Well started—no milk required. Fine selection always on hand. Approval shipment. Write today.

Lowest Prices on  
**HOLSTEIN**  
Cows and Bulls  
**J. M. McFARLAND & Son**  
Watertown 2 Wisconsin

**HIGHER VIEW DAIRY FARM HOLSTEINS**

Located 4 miles north of Hays, on highway 183. Featuring the bloodlines of Clyde Hill and the Crescent Beauties. We have 125 head in our herd. Serviceable-age bulls for sale at all times. We offer a few females occasionally. Visitors always welcome.

J. D. & E. E. FELLERS, Hays, Kan.

**NEMAHA VALLEY HOLSTEINS**  
Rock-Burke breeding. Herd ave. 531 lbs. fat. Records up to 1,000 lbs. 2x 3 yr. Bulls up to service age for sale.

Mrs. H. D. Burger & Son, Seneca, Kansas

**DAIRY CATTLE**

For Sale: Selected Pedigree service-age Ayrshire bull. Sired by Vista Grande Dasher 72035 "Very Good" dam: Smoky Hill Red-bird 250687 Very Good. 5 lactations average 11,700 milk 465 fat, including DHIA 14,102 lbs. milk 641 fat at 3 years. She is by Wood-hull Rare Jim Double Approved. This bull is of outstanding type and well grown. Combines some of the best blood of the breed. For further particulars write or call Verland M. Hoffman, Rt. 2, Abilene, Kan. Tel. Acme 713.

**AYRSHIRES**  
MOST PROFITABLE COWS  
Big Milkers Hardy Rustlers  
Good Grazers Perfect Udders  
**4% MILK**  
Write for Booklets and List of  
Breeder's near you with Stock for sale  
Ayrshire Breeders' Association  
260 Center St., Brandon, Vt.

Reliable Advertisers Only  
Are Accepted  
in Kansas Farmer

**Public Sales of Livestock**

**Aberdeen-Angus Cattle**

February 26—C. E. Reed, Wichita, Kan.  
February 27—Dodson Brothers, Wichita, Kan.  
Sale at Silver Top Farm, Belton, Mo.  
February 28—Heart of America Breeders' Association Show and Sale, Kansas City, Mo.  
Donald J. Bowman, Sales Manager, Hamilton, Mo.  
March 1—OK & T Angus Sale, Buffalo, Okla.  
March 28—US Center Angus Association, Smith Center, Kan.  
April 4—Southeast Kansas Angus Association.  
April 12—Mid-Kansas Aberdeen-Angus Breeders' Association, Hutchinson, Kan. Phil Sterling, Secretary, Canton, Kan.

**Ayrshire Cattle**

May 4 & 5—National Convention and Sale, Hutchinson, Kan.

**Hereford Cattle**

February 24—CK Ranch, Brookville, Kan.  
March 2—Republican Valley Hereford Breeders' Association, Red Cloud, Nebr. Engard E. Lynn, Sale Manager, Red Cloud, Nebr.  
March 5—Marshall County Hereford Association, Marysville, Kan.  
March 12—Kansas Polled Herefords, Liberal, Kan.  
March 27—Kaw Valley Hereford Association, Manhattan, Kan. M. B. Powell, Secretary-Manager, Manhattan, Kan.  
April 6—Kansas Spring Hereford Sale, Horton, Kan.  
April 17—Sutor Hereford Ranch, Zurich, Kan.  
May 21—Vic Roth, Rays, Kan.  
October 22—Beeks & Cleland, Baldwin, Kan.  
November 1—Flint Hills Association, Cottonwood Falls, Kan.  
November 3—Jesse Riffel & Sons, Enterprise, Kan.  
November 10—W. H. Tonn & Son, Haven, Kan.

**Holstein Cattle**

March 19—Tulsa Spring Classic Holstein Sale, C. O. Abercrombie, Sale Manager, Vinita, Okla.

**Shorthorn Cattle**

April 3—Nebraska-Kansas Shorthorn Association, Superior, Nebr.

**Milking Shorthorn Cattle**

April 3—C. E. Boatright Reduction Sale, Conway Springs, Kan. Sale at Wellington, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.  
April 27 and 28—National Milking Shorthorn Congress Show and Sale, Springfield, Mo. Managers—American Milking Shorthorn Society, 313 South Glenstone, Springfield, Mo.

**Duroc Hogs**

February 17—Earl Martin & Son, DeKalb, Mo., and Lester Thompson, King City, Mo. Sale at South St. Joseph, Mo.  
February 21—Ed Knell & Son, Carthage, Mo.  
February 22—Willis Huston, Americus, Kan.  
March 2—Northeast Kansas Purebred Hog Association, Brush, Colo. Milton Haag, Secretary, Holton, Kan.  
April 21—T. M. Gerken, Paola, Kan.

**Hampshire Hogs**

March 3—O'Bryan Ranch, Hiattville, Kan.  
March 9—R. E. Bergsten & Sons, Randolph, Kan.  
March 10—Warren Ploegger, Morrill, Kan.

**Hereford Hogs**

February 23—HG Farms, Colby, Kan. Sale at the farm.  
February 27—Kansas Hereford Hog Breeders' Association, Fair Grounds, Topeka, Kan. Mill Haag, Secretary, Holton, Kan.  
March 2—Northeast Kansas Purebred Hog Association, Brush, Colo. Milton Haag, Secretary, Holton, Kan.

**O I C Hogs**

March 1—Kansas O I C Breeders' Association, Fairgrounds Hutchinson, Vernon Zimmerman, Secretary, Inman, Kan.

**Poland China Hogs**

February 19—Rowe & Williams, Sale at Osage City, Kan.  
February 28—Paul Erickson, Herndon, Kan. Sale at Oberlin, Kan.

**Spotted Poland China Hogs**

February 26—Kansas Spotted Poland China Association, Phillipsburg, Kan. H. E. Holliday, Secretary, Richland, Kan.

**Hogs—All Breeds**

February 17—Clay County Purebred Hog Breeders' Association, Clay Center, Kan. Raymond Buerger, Secretary, Clay Center, Kan.

**Suffolk and Hampshire Sheep**

February 26—Beau Geste Farms, Oskalooga, Ia.

**IN THE FIELD**  
**MIKE WILSON**  
Topeka, Kansas  
Livestock Editor

**Vern Albrecht Holds Annual Duroc Sale**

**VERN V. ALBRECHT'S** 51st annual Duroc bred gilt and fall boar and gilt sale, Smith Center, February 10, was one of the top sales of this breed for 1951 and the high average sale of Kansas. Forty-seven bred gilts were sold for an average of \$217.50. The price range on bred gilts was from \$130 to \$365. Bird Brothers, Crowley, Colo., bought the top bred gilt at \$365. Jim Peters, Ordway, Colo., paid \$300 for a bred gilt and John J. Sharp, Bazaar, gave \$300 for a bred gilt. Two Nebraska breeders, George Carlson, Saronville, and Gordon Johnson, Brunswick, paid \$275 for bred gilts. The sale was opened on a litter of 10 bred gilts weighed just before the sale and they averaged over 500 pounds. These gilts sold for an average of \$265 per head. They sold from \$235 to \$300. The uniformity, type and soundness of this great litter made possible the good average just stated. Three fall boars were sold for \$100 each. One fall boar and 4 fall gilts were sold as a group for a total of \$315. A fall boar and 3 fall gilts sold for a total of \$300. Twenty-four head of fall boars and gilts were sold.

**3-WAY HEREFORD SALE**

**Wednesday, February 28, 1951**  
1:00 P. M.

Central Livestock Sale Pavilion

**Hutchinson, Kansas**



Featuring the service of the 3 top bulls ever sold in the Sunflower Futurity. 86 Head, including 36 young cows, many with calves at side, 11 bred cows and heifers, 13 open heifers and 18 serviceable-age bulls.

Guest consignments from the herds of

**Ralph Chain & Son, Haven --- 5 BULLS, 2 HEIFERS**  
Real Silver Domino and Domino Lad C. 14th breeding.

**Orin Chain & Son, Haven --- 5 BULLS**  
Walnut Hill Tone 30th and Real Silver Domino breeding.

**Phil Adrain, Moundridge --- 5 BULLS**  
By Royal Tredway 33rd.

For catalog and information address

**GENE WATSON, 2001 N. Jackson, Hutchinson, Kan., Auctioneer**  
**Ed. L. Crook, Ray E. Dillon, Chas. W. Ragland**  
Mike Wilson for Kansas Farmer

Vern has always given a lot of attention in the past to sponsoring activities for 4-H, vocational agriculture and veteran groups. With an ideal day and splendid co-operation from county agents, vocational and G. I. instructors, there were 93 teams with 600 participating in the judging contests held in the morning. These groups came from far and near and when the scores were tabulated, the Stockton high school B team had won 1st in the vocational group. Instructor was Floyd A. Blauer. Students on the winning team were Bill Walker, Harold Cunningham and Bob Stilhen. Lebanon B team placed 2nd in the vocational group. The 4-H judging contest was won by the Smith county team, coached by Paul Gilpin, county agent, Smith Center, and Charles Mantz, vocational instructor, Smith Center. The Jewell county team was 2nd. The 4-H's who were responsible for the winning 4-H team were Jim Schlittenhardt, Bob Overmiller and Morris Reitzel. The Lebanon team of veterans won the G. I. judging contest. High man was Donald Yenne, Smith Center. Second-high man was Bud Conway, Athol. Smith Center was 2nd in the G. I. judging contest.

It is difficult to estimate the large crowd in attendance but we doubt if a larger crowd ever attended an event of this kind anywhere in the Midwest. The large sales pavilion could not hold the crowd. A loud speaker was placed outside the sales pavilion and many bids were made by buyers outside the sales pavilion who could see the animals as they came into the ring. Auctioneer for bred gilts was Bert Powell, Topeka, and Tom Sullivan, Hiawatha, sold fall boars and gilts. Press representatives assisted in the ring. The Albrecht family wishes to thank every one who participated in this event.

On January 24, JAYHAWK FARM, Little River, made a production sale of bred gilts and fall boars at the sale barn in Larned. Bidding

was very rapid. The offering was sold in almost record breaking time. The top boar in this auction was a fall pig and sold to Conrad Brothers, Timken, and Ora Toot, St. John, for \$100. Keith Rollo, Larned, paid \$205 and \$200 for the 2 top-selling bred gilts. The 5 fall boars sold averaged \$96.50 per head and 59 bred gilts made the good average of \$133.50 per head. The offering was all distributed among Kansas buyers. They were distributed among 41 different owners. The heaviest buyer in the sale was Keith Rollo, Larned, who selected 8 head of the choice gilts and his purchase made a total of \$1,187.50.

A part of this sale offering was consigned by L. W. Schneider, Albert, and W. V. Smith & Sons, Albert. Their contribution was 12 beautifully bred gilts and 5 good fall boars, of practically the same breeding and bloodlines as the Jayhawk offering. These breeders have purchased foundation herd material from Jayhawk Farm in years gone by. The Jayhawk institution is owned and operated by Mr. and Mrs. Ralph Schulte, Little River. The local demand was excellent. Col. Pat Keenan was auctioneer and did a fine job.

**FORTY-NINE BRED GILTS** and 1 Bred Sow were sold at the sale pavilion in Oberlin on February 6 for an average of \$118.50. This offering was made up of gilts from the Duroc herds of C. M. Mines, Cedar Bluffs; Robert Barrett, Oberlin; and K. L. Spencer & Son, Cedar Bluffs. The high-selling gilt was lot 44, consigned by C. L. Mines, and selling to Vic Morton, Selden, for \$170. She was a daughter of Future Trend, bred to Quality Supreme. The second top at \$162.50 was a litter mate to the \$170 gilt and sold to C. D. Kellogg, Danbury, Nebr. High-selling gilt from the K. L. Spencer consignment sold for \$150 to Jim Hoyt, McCook, Nebr. She was sired by Leaders Pride and bred to Col. Jack. Robert Barrett sold his top gilt for \$130 to Carl Lafferty, Danbury, Nebr. She was sired by Top Fancy and bred to Western Leader. This was the first sale by these breeders and they were well pleased with the average. Northwest Kansas and southwest Nebraska buyers owned the entire 50 head when the sale was concluded; 35 head stayed in Kansas and the remainder went to Nebraska buyers. Several buyers purchased 3 to 5 head. The buyer of the largest number of gilts was Elmer Springer, Rexford, who purchased 6 head. Bert Powell, Topeka, was auctioneer.

**WELDON MILLER & SONS**, Duroc bred gilt sale at their farm near Norcatour on February 7 averaged \$127.25 on 60 bred gilts. The low price paid for a bred gilt was \$100 and the top was \$175. Six head sold from \$145 to \$175. Vern Albrecht at Smith Center bought the high-selling gilt at \$175. She was a daughter of Crimson Wonder, 1949 Kansas grand champion boar, and bred to Union Leader, son of Leader's Pride, the first junior spring boar of Iowa, 1949. Second high for an average of \$417. The champion of the

# BUY BULLS

From the Denver Champion Load at the  
**CK SALE**



**FEBRUARY 24, 1951**  
**BROOKVILLE, KAN.**

**40 Bulls - - - 30 Females**

*Never before such a sale offering as in the CK Sale*

We are selling future herd sires and top bred heifers. Our 1951 sale is CK's highest quality offering. The bulls are ready for service and are all of herd-bull caliber.

**They are sired by CK Cruiser D 34th, CK Cruiser D 33d, CK Creator, CK Baca Royal, Publican Domino 170th, and WHR Royal Duke 33d**

We have saved our top bulls and know they will exceed your expectations.

The females are the greatest set of females we have ever put together and they are bred to CK Cascade, Publican Domino 170th, CK Crusty 46th and CK Baca Royal 47th. They are daughters of CK Baca Royal, CK Cascade, Brummel 6th, Brummel 9th, WHR Royal Duke 33d, and CK Baca Heir.



**We are selling all of our senior show herd except CK Crusty 46th**

Never before have we offered so many champions and top winners in a sale at our ranch. The high quality of the offering was proved at the recent National Western Show at Denver.

Get a catalog now

**CK RANCH, Brookville, Kansas**

Gene Sundgren, Manager

Mike Wilson for Kansas Farmer

selling gilt at \$165 went to the Lexington, Nebr., FFA chapter. Third high-selling gilt at \$160 went to Wilbert Langemeier, Snyder, Neb. This annual bred gilt sale of these well-known breeders attracted a crowd that filled the sales pavilion at the farm to capacity. Interest was excellent in the good offering sold, and 60 head went thru the ring in less than 2 hours. Many farmer buyers made selections and a number of buyers bought several head each. Northwest Kansas buyers bought most of the offering but Nebraska buyers bought several. Five fall boars sold for an average of \$71 and 6 fall gilts averaged \$50. Bert Powell sold the bred gilts and Tom Sullivant sold the boars. Press representatives assisted in the ring.

The annual Hereford Production Sale of OLIVIER BROTHERS, Harper, was well attended February 6 and broke all previous records at the farm. Fifteen bulls were sold with a top price of \$720 paid by Dr. M. B. Flowers, Anthony, for a January, 1949, son of Advance C. Domino 4th. This bull was in good condition, well grown, showing the promise of developing into a great herd sire. The 15 bulls sold averaged \$524 per head with most of them being short yearlings. The top on females was \$700 paid on the bid of C. H. Marley, Meno, Okla., for a February, 1949, daughter of Advance C. Domino 4th. The heifer was carrying the service of FRC Bocaldo 49th—a bull that the Oliviers purchased from Frank R. Condeli, El Dorado. Forty females averaged \$483. The 55 head of registered Herefords all produced in the Olivier herd made a general average of \$495 per head.

Without a doubt the offering showed more quality and evidence of good breeding than any other sale offering by Olivier Brothers. Col. W. H. Heidenbrand sold the offering, assisted by livestock press representatives.

The NORTHEAST KANSAS HEREFORD ASSOCIATION made history for their organization on February 3 at the Kansas Free Fair Grounds in Topeka, when this fine group of purebred Hereford breeders offered 56 lots of cattle for sale. There was a decided increase in the average of both males and females in this auction over previous years. Forty lots of bulls in this auction made an average of \$565 and the 16 females sold show and sale was Premier Advance 21st. Con-

signed by Premier Hereford Farm, Wolcott. He was purchased by Harvey Kocher, Onaga, for \$1,100. Top female was lot 31, Lily, consigned by Frank Hug & Sons, Scranton. She sold to A. G. Alamm, Basehor, for \$525. George Hamilton, Horton, veteran breeder of purebred Herefords judged the show in the morning. Freddie Chandler was auctioneer.

JOHNSON WORKMAN, Russell, recently sold his 1,080 ranch and herd of Aberdeen-Angus cattle to Mr. and Mrs. C. M. Kingsley, of Lyons. Mr. Kingsley will retain 40 head of the purebred Angus cattle on the ranch. Johnson Workman has bred Aberdeen-Angus cattle for 41 years. He and his son, Kale, have been known in Angus circles for years. Both men were a boon to the purebred cattle business. Most Angus breeders can boast of having purchased Workman cattle or have their breeding in their herds. The new owner grew up in the cattle business. His father was a breeder of Galloway cattle in Ellis county. The Kingsleys also have a herd of Hereford cattle which they plan to keep.

LOCKE THEIS, Dodge City, was elected president of the Kansas Milking Shorthorn Association at its convention in McPherson on January 18. Walter Otte, Great Bend, was named vice-president and C. O. Heidebrecht, Inman, was re-elected secretary-treasurer. Otte was named to the board of directors along with Joe Hunter, Geneseo, and Charles H. Rolfs, Lorraine. This association voted to enter the American Royal Dairy Show at Kansas City in May and to hold their annual sale in Dodge City in October.

I have just received a letter from W. L. (Bus) Westerman, manager of R. & S. RANCH, of Halstead, saying their March 2 auction sale of registered Hampshire hogs has been canceled. It seems some of the gilts did not get settled, therefore there were not enough gilts bred to make the sale possible.

### Safe Tacks

When storing thumbtacks, place them in a large cork and store in a drawer.—Mrs. E. L.

## Handy Ideas

### Sturdy Doorstop

A Log Cabin sirup can filled with sand and painted to harmonize with paint of walls or woodwork in any room is a decorative and sturdy doorstop.—Mrs. H. F. L.

### Makes Screw Secure

A good way to keep a screw from working loose in wooden material is to nail a staple firmly in the groove across the screw top.—Mrs. M. G.

### Paintbrush Care

To make paintbrushes last twice as long, I bore a 1/4-inch hole in them just above the metal band that holds the bristles. A No. 9 wire will slip thru the brush and hold it up in the turpentine. Just dropping a brush in a can will soon deform the bristles.—F. M. T.

### Slippery Bath Soap

I sew a pocket on shower curtain at arms' height for slippery bath soap. It is a grand convenience for daily shower-takers in the family.—Mrs. R.

### Protect Tender Shrubs

I have found wrapping aluminum foil around young trees and shrubs prevents rabbits from gnawing off the bark and killing them during winter.—M. O.

### For Rusty Pliers

Have your pliers become difficult to work because they have rusted at the joint? Then rub a small amount of fine grinding compound between the parts. Simply open and shut pliers a few times, then wash out compound.—B.

### Cake-Pan Fountain

A discarded angel food cake pan makes a fine water pan for a dog or other pets. Drive a stick thru the hole into the ground to make it impossible for pets to tip the pan over. When water needs changing just lift the pan off the stick.—Mrs. F. W. T.

### The Wrong and Right

Choose a tart apple variety if you want the best-flavored applesauce. But to cook even the best varieties for too long will destroy that good flavor. Make it thin, thick, smooth or chunky... suit yourself, but cook it quickly in a covered pan with a small amount of sugar.

Apple skins give a slightly bitter taste to applesauce, so peel them if you want the best.—F. M.

### Make Wooden Leg

When nailing sheet rock overhead, it is hard to hold large sheets in the right position. We made what we call a "wooden leg" to ease the strain in handling. Take a 1 by 4 the correct length to reach from floor to ceiling; nail a 4-foot length of 1 by 4 across the top. (The sheet rock was 4 feet wide.) Nail on braces. The wooden leg is slipped under the sheet rock and pushed up tight against the ceiling to hold it in place while it is being nailed to the joists.—F. K.

### Keeps Dampness Out

To keep inside surfaces of breadboxes and other tin containers from rusting, I coat them with melted paraffin, especially joints and cracks.—Mrs. A. C. Hook.

### Lamp Warms Boots

On cold, frosty mornings I slip a 150-watt lamp on an extension cord down inside cold boots for a few minutes, and in this way start the day's work with warm, comfortable feet.—C. C.

### Nylon Thread

Don't throw away your old nylons. Instead, ravel them and wind thread on an empty spool to use in mending hose. Makes a good mending thread for hose as well as other things.—Mrs. F. F.

### Wax With Sponge

I have found by using a sponge instead of a cloth in applying floor wax, it spreads wax more evenly and gets in the cracks and corners better.—Mrs. F. F.

### Vinegar for Fish Odors

To remove fish and onion odors from skillet, I boil a little vinegar in it a few minutes. The taste and smell are soon removed.—Mrs. L.

### Oil the Molds

I like to rub molds with salad oil before placing salad in them. This makes it so much easier to unmold.—O. M.

### Saves Time

When there is some paint left in a can, I paint a mark on outside of can at level of remaining paint. Then at a glance I can easily see the color and amount of paint in can.—C. F. H.

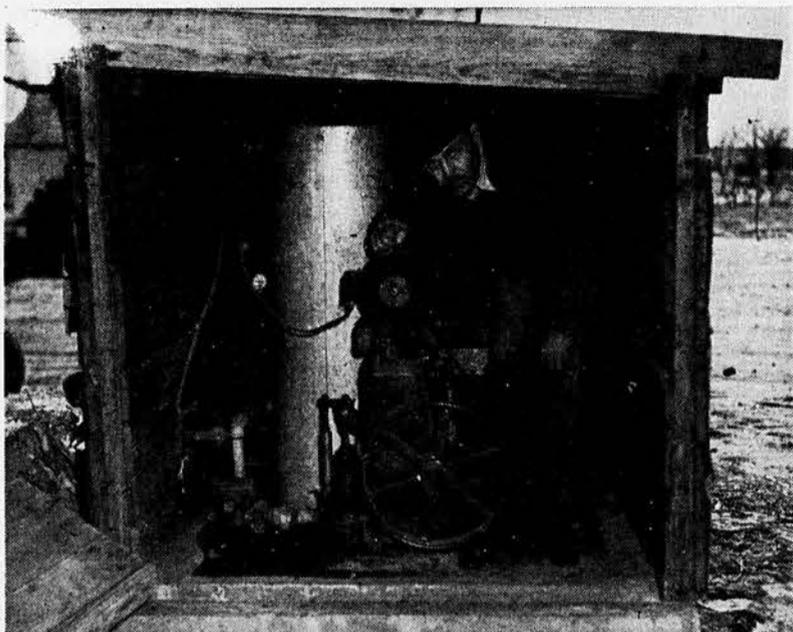
### Cook at Low Heat

When making scrambled eggs, cook at a low temperature and stop when the eggs are just coagulated, soft and shiny.—G. R.

### Keep Iron Moving

When stamping patterns on cloth, keep the iron moving constantly over the entire pattern. This distributes the heat evenly and you will get a good stamping.—Mrs. Elbert Luna.

## This Pump House Suits Its Owner



A VERY SUCCESSFUL pump house is this one being checked by Jim Carnahan, Clay county farmer. It is freezeproof, clean and easy to remove if well casing has to come out.

A PUMP house on top of the ground beats a pit anytime," says Jim Carnahan, Clay county farmer. To back up his belief, he and his sons, David and Dales, have built a pump house they like very much.

It has a concrete base 5 feet by 5 feet. Side walls have 2-inch insulation and roof 4 inches, topped by aluminum sheeting.

A feature of the house is that 3 walls are solid and the fourth is removable. This fourth side is held on by 4 bolts and has a glass window thru which the inside of the house can be observed. If anything goes wrong, the fourth side is slipped off while repairs are made. If it is necessary to pull the well casing, the 3 fixed sides can be pulled off the concrete base and later replaced.

Pump and tank are raised 2 inches above the floor, which has a 1/4-inch slope to a corner drain in case a pipe breaks and floods the pump house. A 100-watt light bulb, set to automatically turn on when the temperature reaches zero, keeps pipes from freezing. "We never have had a pipe freeze," says Mr. Carnahan. A "frostproof" hydrant is on the outside of the house.

Mr. Carnahan's objection to a pit is that it collects dirt and often proves a breeding place for insect pests.

### Ten 4-H Clubs Win Health Awards

The Harmony Hustlers 4-H Club in Dickinson county has been named top 1950 Kansas 4-H Club in health achievement. Nine other clubs, all outstanding in club and community health work, have been recognized by the Kellogg Company with \$20 cash awards. According to the state 4-H Club Department, Kansas State College, Manhattan, the money is to be spent to promote health.

Nine other 4-H clubs over the state

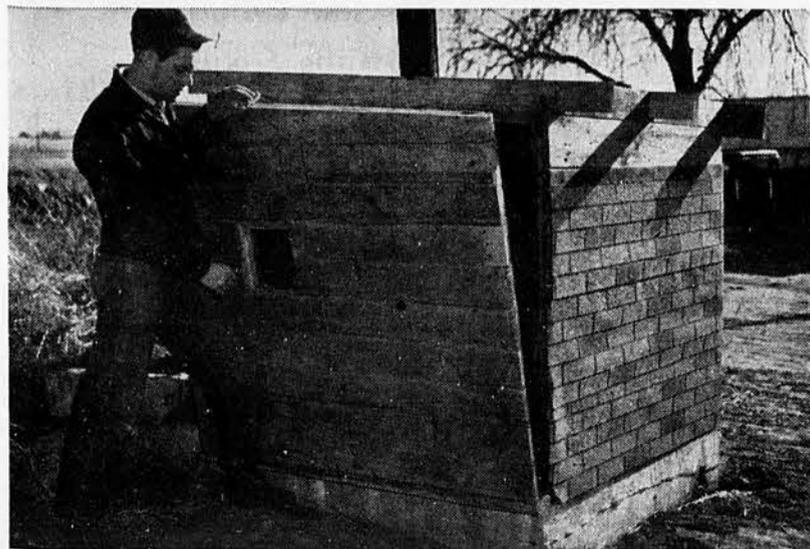
recognized for health activities include: Dartmouth, Barton county; Willis All Stars, Brown; Elk Creek, Cloud; Noble, Ellsworth; Bachelor Buttons, Greenwood; Eureka, Mitchell; Rock Hill, Ottawa; Bon Ame, Rice; and Smoky View, Saline. The Harmony Hustlers club also won an educational trip to the American Royal Livestock Show in Kansas City for 10 of their members. This trip was a separate award from the Kellogg awards.

### Pelleted Seeds Cut Thinning Cost

Pelleted seeds, first introduced about 3 years ago, are gaining in popularity with many farmers and growers. There are several advantages in pelleting. Individual seeds, or several seeds, can be given a coating to make them smooth, uniform in size, and easier to handle. This is particularly effective with tiny, hard-to-handle seeds. The coating material is given small amounts each of chemical fertilizer, fungicides, and synthetic hormones. This helps speed growth, protect against disease.

Packets of garden and flower seeds can be purchased nationally now in most seed stores. The idea of pelleted field crop seeds, tho, has not caught on as well. A disadvantage of pelleted garden and flower seed is some growers feel they are not getting their money's worth since the package does not contain as many seeds. It's been pointed out, however, not nearly as much thinning is required with pelleted seeds as seeds can be spaced when planting.

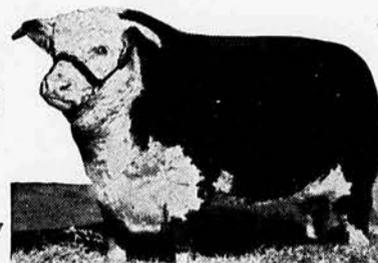
Pelleted seeds resemble buckshot. Being smooth and uniform, they will feed thru a drill more accurately than will unpelleted seeds. Commercial growers of such crops as tomatoes, carrots and sugar beets use pelleted seed on a large scale, reports The Furrow Magazine, published by Deere and Company.



FOURTH SIDE fits on over 4 bolts and has window so owner can observe operation of plant inside. Here David Carnahan is putting removable wall in place.

## Republican Valley Hereford Breeders Association FIFTH ANNUAL SHOW AND SALE

Red Cloud, Nebr.  
Thursday and Friday  
March 1-2, 1951



Show Will Start at 1:00 P. M. Thursday  
Sale Will Start Promptly at  
1:00 P. M. Friday

### 75—HEAD OF PUREBRED HEREFORDS—75

<b>55 BULLS</b>	<b>20 FEMALES</b>
30 BULLS—18 to 24 months old	2 COWS—4 years old
11 BULLS—15 to 18 months old	7 COWS—18 to 24 months old
10 BULLS—12 to 15 months old	4 COWS—15 to 18 months old
4 BULLS—over 2 years old	7 COWS—12 to 15 months old

Impressive Consignments from the Best Herds in South Central Nebraska and North Central Kansas

### — CONSIGNORS —

LARRY BILLENWILLMS, Burr Oak	J. O. LAMBRECHT, Inavale, Nebr.
RALPH BILLENWILLMS, Burr Oak	W. E. LAMBRECHT & SON, Inavale, Nebr.
NORBERT BORWEGE, Roseland, Nebr.	RICHARD LARRICK, Bladen, Nebr.
WAYNE BROOKS, Inavale, Nebr.	KENNETH LOVEJOY, Inavale, Nebr.
CLARK CALAHAN, Burr Oak	LINTON LUTZ, Smith Center
EDGAR CHOQUETTE, Campbell, Nebr.	MILTON O. LUTZ, Bladen, Nebr.
GEORGE CORNER & SON, Blue Hill, Nebr.	A. R. MADSEN & SONS, Minden, Nebr.
EDGAR S. COX & SONS, Guide Rock, Nebr.	FORD MARKER, Inavale, Nebr.
J. S. FORD, Beaver City, Nebr.	DALLAS MATTISON, Red Cloud, Nebr.
J. L. GRANDSTAFF, Bladen, Nebr.	ELVIN PRITTS, Bostwick, Nebr.
JOHN D. HARVEY & SON, Inavale, Nebr.	G. E. REED, Guide Rock, Nebr.
BOYD KORB, Burr Oak	MELVIN SCHMEYER, Superior, Nebr.
CHARLES KORT, Blue Hill, Nebr.	CHARLES TENNANT, Red Cloud, Nebr.
GILBERT KORT, Blue Hill, Nebr.	

All Cattle in this Show and Sale have been Selected by a Sifting Committee

For catalog write

## ENGAARD E. LYNN, Sale Manager

Red Cloud, Nebraska

Auctioneer: Charles Corkle, Norfolk, Nebr.

### The Heart of America ABERDEEN-ANGUS BREEDERS' ASSN.



INVITE YOU TO COME TO  
KANSAS CITY, MISSOURI  
on Wednesday, February 28  
Show at 9:30 A. M.—Sale at 12:30 P. M.  
for their

### Spring Heart of America Sale to be held at the American Royal Building

56 HEAD of the RIGHT TYPE SELL  
30 Bulls, most all of serviceable age. A number of real herd bull prospects.

26 Good Foundation Females—Many popular bloodlines and prominent families represented.

You will be able to fill your needs at the Spring Heart of America Event.

#### THIS OFFERING IS CONSIGNED BY THE FOLLOWING BREEDERS:

WINN-LARR FARMS, Smithville	LEO L. LARCHER, Conception
PENNEY & JAMES, Hamilton	MIL-JON ANGUS FARM, Chilhowee
BLACK POST RANCH, Olathe, Kan.	JOHN SANDS, Kansas City
BENSON ANGUS RANCH, Milton, Ia.	SMITH ANGUS RANCH, Farlington, Kan.
FRANK B. EITEL & SONS, Green Castle	C. E. BASHOR, Union Star
THOMAS W. STALEY, Kansas City	PAUL SHULTZ, Rosendale
GREEN VALLEY FARMS, Kansas City	JOHN SPEED ELLIOTT, New Franklin
GLENN & VIRGINIA CHAPPELL, Green Castle	DALE E. SMITH, Willis, Kan.
C. H. THOMPSON, Eagleville	M. S. ELLIOTT & SON, Wetmore, Kan.
MOORE BROS., Angus Acres, Gardner, Kan.	WENDELL DAVIS, Norwich, Kan.
FRED ROTHBERGER, Eudora, Kan.	T. A. RUTHERFORD, Garland, Kan.
W. C. WHARTON, Lawson	E. L. SHERARD, Kansas City
EYTON BRADLEY, Calhoun	W. N. UKENA, Everest, Kan.
Several other well-known breeders will be represented in this sale.	EDDIE E. BASHOR, Union Star

Write today for your copy of our catalog to  
DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.  
Sale sponsored by the Heart of America Aberdeen-Angus Breeders' Assn.  
Orin James, President  
Penney & James Farm  
Hamilton, Missouri  
Auct.: Col. Roy G. Johnston, Belton, Mo.

### Penney & James 9th Annual

## ABERDEEN-ANGUS PRODUCTION SALE

Heated Sales Pavilion at the Homeplace near  
HAMILTON, MO., MONDAY, MARCH 5  
SELLING 50 FEMALES—15 BULLS



EILEENMERE 487th 668743

The Wonder Bull of the Breed. His blood predominates in this offering. It is proven and respected.

THE OFFERING—9 of the bulls are sired by Eileenmere 999th making them half brothers to the \$30,000 International Reserve Champion bull 4550. 4 bulls sired by Eileenmere 487th and 2 bulls sired by sons of 487th. Females are sired by Eileenmere 999th—Eileenmere 921st—Black Wood-lawn 11th—Envious of Hamilton and most of the remainder sired by other sons of Eileenmere 487th. They will be bred to these bulls: Eileenmere 487th—Eileenmere 999th—Eileenmere 500th—Homeplace Eileenmere 52nd—Homeplace Eileenmere 49th—Homeplace Eileenmere 155th—Homeplace Eileenmere 115th—Homeplace Eileenmere 999 35th. The 1950 International Reserve Champion bull that recently sold for \$30,000. 7 open heifers sell. Most of the better known and proven families of the breed will be represented in this sales offering. Several of the show herd sell. The Homeplace production sale should be a good place to buy if you are looking for the most of the best.

For sale catalog write J. B. McCORKLE, Sale Manager  
Suite 3500 A.I.U. Bldg., Columbus, Ohio

PENNEY & JAMES, Owners, Hamilton, Mo.  
ORIN L. JAMES, Manager  
HARL JACKSON, Herdsman

Auctioneers: Roy Johnston, Ray Sims  
Bert Powell representing this publication

### REGISTERED HEREFORD HOG SALE

54 HEAD

36 Bred Gilts to farrow Mar. 1 to May 1  
6 Fall Boars, 10 Open Fall Gilts

Recorded Pedigrees Furnished with all Hogs Sold  
Individual Breeding Dates will be announced  
at time of Sale

Sale will be held in a heated sale barn at the  
H. G. Hereford Farm 14 miles north of Colby  
Kan., on Highway 25 and 1 mile east; or 16  
miles south of Atwood, Kan., on Highway 25,  
and 1 mile east.

Friday, February 23, 1951

Starting Promptly at 1:00 p. m. (c.s.f.)

Every Bred Gilt is guaranteed to be with pigs unless otherwise stated on sale day. All boars are  
guaranteed to be breeders, if not left to run with the herd. Every animal has been vaccinated  
for cholera, with double treatment and Bang's tested.

GUEST CONSIGNORS:

ART KOENEMANN, Winona; KENNETH GROVER, Menlo; DALE FARMER, Oakley

Write for Catalog to

H. G. HEREFORD FARM  
HOWARD GROVER, Colby, Kansas  
E. T. Sherlock & Sons, Auctioneers



### Coming Events

February 17—Osborne county 4-H tractor maintenance school, Osborne.

February 17—Neosho county, meeting on farm buildings, with KSC specialist Leo Wendling, Erie.

February 19—Cherokee county, home furnishing school at KSC, with Mrs. Archer conducting.

February 20—Cloud county, agricultural policy discussion meeting, with C. R. Jaccard, Concordia.

February 20—Marshall county, livestock and marketing school, Marysville.

February 21—Linn county, soil conservation meeting with Reuben Linn, KSC specialist.

February 20—Ellsworth county, electric welding school, Ellsworth.

February 21—Leavenworth county, 4-H leader training with KSC specialists, Border and Reigner, Tonganoxie.

February 21—Mitchell county, public discussion meeting with C. R. Jaccard.

February 23—Johnson county, balanced farming meeting.

February 23—Marshall county, poultry school with KSC specialists Jackson and Seaton.

February 23—Shawnee county, stag night, Topeka, Garfield Park.

February 23—Ottawa county, home demonstration unit leaders training school on home management. Correct lighting of homes is the theme, with Ethel Self, KSC specialist, Minneapolis, Farm Bureau basement, all-day meeting beginning at 10 a. m.

February 23—Pottawatomie county, contractors school, Wamego.

February 23—McPherson county, annual Farmers' Institute, McPherson.

February 24—Chautauqua county 4-H spring festival, Sedan.

February 26—Rush county, winter livestock and crops school, LaCrosse.

February 26—Sedgewick county, soil conservation planning meeting.

February 27—Neosho county, horticultural and poultry school with KSC specialists Amstein and Seaton, Erie.

February 27—Seward county farm management meeting, Liberal, 4-H Building, Liberal.

February 27—Jackson county 4-H officers training school, Holton.

February 27—Cheyenne county, poultry tour to poultry farms, St. Francis.

February 27—Wichita county, irrigation, soil and crops school with Walter Selby, Frank Bieberly and Ivan Wood, Leoti.

February 27—Crawford county, winter garden and poultry school, with KSC specialists Amstein and Seaton, Columbus.

February 27-28—Doniphan county meeting with Mary Fletcher, subject: "Hidden Hunger" and "Milk in Every Meal."

February 27-28—Dairy Industry Conference, Manhattan.

February 28—Chautauqua county, farm structures school with Harold Stover, Sedan.

February 28—Seward county, 4-H training meeting with John Hanna, Liberal, 4-H Building, 1:30 p. m.

February 28—Wilson county, sheep and swine school, Fredonia.

February 28—Phillips county, recreation leader training lesson, with Virginia Lee Green, recreation specialist, KSC.

February 28—Anderson county, rural life training, with Velma McLaugh, KSC specialist.

February 28—Doniphan county dairy school, with Fred Foreman, George Berber, Troy.

March 1—Wichita county, spring summary meeting for Farm Management members, Leoti.

March 1—Phillips county, windbreak and landscaping school, conducted by KSC specialists Collins and Parks, Phillipsburg.

March 1—Morton county-wide 4-H meeting with John H. Hanna.

March 2—Osborne county, landscaping and forestry, with KSC specialists, Collins and Parks, Osborne.

March 2—Barton county livestock and crop winter correlation school, Great Bend.

March 3—Rush county 4-H Day, LaCrosse.

March 3—Marshall county 4-H school with Glenn M. Busset.

March 3—Barton county 4-H Club Day.

March 3—Neosho county 4-H Day, Erie.

March 3—Osage county 4-H Club day, Lyndon.

March 3—Norton county 4-H council meeting, Norton, Legion Hall.

March 4—Hamilton county, winter irrigation school, with KSC specialists Selby and Bieberly.

March 5—Norton county home demonstration and 4-H garden and poultry leaders training school, Norton, Legion Hall.

March 6—Thomas county, outlook meeting with KSC specialists Whitehair and Bieberly, Colby Courthouse.

March 7—Norton county, recreation school, Silvalre, Norton.

March 7—Jefferson county, balanced farming meeting.

March 7—Phillips county, engineering and home management school, conducted by KSC specialists Ramsour and Ellthorpe.

March 8—Norton county, farm management summary meeting, Norton, Legion Hall.

### HOGS

Sale of  
**50 Hereford Bred Gilts**  
**20 Duroc Bred Gilts**  
**14 Hereford Fall Boars**  
**4 Duroc**  
at  
**Brush, Colorado**  
**March 2, 1 o'clock**  
Write for catalog to  
**MILTON HAAG, Holton, Kan.**

### JAYHAWK FARM DUROCS

The home of state and national winners. In this herd you will find the most of the best. Choice breeding stock for sale at all times. Visitors always welcome.

RALPH SCHULTE, Little River, Kansas

### SUPERIOR DUROCS

Excellent fall boars and gilts by Super Spotlight, Perfect Trend, King of Diamonds—a top son of Red Diamond. These are rich red, heavy hammed, thick with smoothness and well set legs. Also offer 4 spring boars. We can fill your Duroc needs. Come or write.

G. M. SHEPHERD, Lyons, Kan.

### DUROC BRED GILTS

For Sale Choice Gilts sired by Diamond Model and other good boars. Bred to Pioneer Lad and Regal D E Luxe for March and April farrow. Also Fall Pigs Registered, Immune. Come or write WM. BOHLEN, Downs, Kansas

### SUPERIOR DUROC GILTS

Sired by He'll Do's Model and bred to Kansas Harvester, top son of Harvester, Nebraska grand champion boar, 1950, for March and April farrow. Service-age boars. Also fall pigs by Royal Fleeting First Registered, Immune.

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

### ETHYLEDAL FARM

PRODUCTION HAMPSHIRE

Improved for type and bigger litters. Best of breeding. Choice spring boars and spring gilts ready to go.

DALE SCHEEL  
Emporia, Kan., Rt. 2

### Spotted Poland AUCTION

Sale held in heated building at the junction of highway 160 and 43 eighteen miles east of

**PITTSBURG, KAN., on**

**TUES., FEB. 27—1 P.M.**

Selling 30 Bred Gilts, 8 Fall Boars and 12 Fall Gilts

These are the medium type, quick maturing kind. Gilts will farrow March and April litters and bred to Beaming from the John E. Zuerl herd and Liberal Prince by Bullet from the E. W. Kaasch Jr. herd. The fall boars and fall gilts are sired by Bullet. A cholera immune, guaranteed offering. All registered. Mail bids may be sent to Auctioneer Arthur Bfinkeroff in our care. For catalog write to Denzil P. Rice, Liberal, Mo.

"THE RICES," Owners

### REG. SPOTTED POLAND CHINAS

Choice fall boars and gilts with plenty of length, deep sides and deep full hams. Sired by Pawnee King and Blue Ace. Double immune.

J. V. CUNDIFF, Talmage, Kan. (4 1/2 miles N.)

### OIC BOARS



4 extra fine, farrowed July 1, 1950. These are top notch from the finest breed. 2 at \$45 each, 2 at \$75 each.

FLOYD F. BEECHWOOD  
Midwestern Machinery Co.  
P. O. Box 830, Joplin, Mo., Telephone 400, 424

### REGISTERED HAMPSHIRE HOG SALE

The Feature Sale of the Year

**March 10, 1951**

Sale at the farm

Get your name on our catalog mailing list now. For complete details and information write

SUNSHINE FARM  
(Mr. and Mrs. Warren Ploeger)  
Morrill, Kansas  
Mike Wilson for Kansas Farmer

March 3

Will Be Our Next Issue

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

**Friday, February 23**

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

### PUREBRED HEREFORD HOG SALE

Tuesday, February 27 at 1 o'clock

at the

Topeka Free Fair Grounds, Topeka, Kan.

45 Bred Gilts—15 Open Gilts—12 Fall Boars

A sale of top Bred Gilts, bred to national and state winning boars of 1950. This is our 8th Bred Gilt Sale. Plan to attend.

For catalog write to MILTON HAAG, Holton, Kansas

Kansas Hereford Hog Breeders' Association

Auctioneers: Rod Tiller, Irvin Schultis

### NORTH CENTRAL KANSAS DUROC SALE

Tuesday, February 20, 1951

BELLEVILLE, KANSAS

(THE CROSSROADS OF AMERICA)



50 REG. DUROCS: 35 Bred Gilts, 10 Fall Boars, 5 Fall Gilts

Show at 10:00 A. M. — Sale at 1:00 P. M.

This offering is of personally selected individuals from the leading herds of this area. North central Kansas is becoming well known as a source of quality Durocs. All animals sold will be shown and all animals shown will be sold. The offering has been vaccinated for Cholera and may be shipped anywhere.

DR. GEORGE C. WREATH, Secretary and Sale Manager, Belleville, Kan.

### REGISTERED HAMPSHIRE ANNUAL SALE

MARCH 9, 1951

at the farm

50 Bred Recorded Gilts  
20 Bred Off-marked Gilts

Outstanding Fall Boars and Open Gilts

This is a quality offering from start to finish.



Daughters of

Square Molder, Approved Fashion and Model Speciman

They will be bred to Square Molder, first place senior yearling, and sire of the first place senior boar at the Kansas State Fair. Many will be bred to Booster, top-selling boar in the Dale McGraw sale, and the second place junior spring boar and member of the first place get of sire and breeder feeder litter at Iowa State Show. The offering has plenty length of body, heavy bone and well grown.

For catalog write R. E. Bergsten & Sons, Randolph, Kansas

Bert Powell, Auctioneer

Mike Wilson for Kansas Farmer

### KANSAS OIC BREEDERS SHOW & SALE

March 1, 1951

Show at 10:00 A. M. — Sale at 1:00 P. M.

State Fairgrounds, Hutchinson, Kansas



"A Cream of the Crop" sale. Bred gilts to be featured from the 18 of 20 litters raised on McPherson College Farm. O I C's are known for large litters. For catalog and breed information of the past year write Vernon Zimmerman, Inman, Kansas.

Judge—Prof. Ralph Karns, Newton  
Special: A weanling pig will be donated by Martins as a door prize. Join Kansas O I C Swine Breeders' Association. Get free advertising and keep up on important information of the breed.

VERNON ZIMMERMAN, Sec.-Treas., Inman, Kansas



"Oh, dear! I hope it wasn't the one you were steering by."



# News of Kansas 4-H Clubs

**A** NEWCOMER 4-H Club in Ford county was named winner over 16 other clubs at the recent Ford county achievement banquet. Patsy Wasson, reporter of Prairie Schooners club, says her club received a cup which is theirs to keep for a year. The club was organized only 4 years ago and was started at a time when the county had neither 4-H Club or home demonstration agents.

One community project of the club was to post signs for a game reserve. They also helped a needy family at Christmas. The club took part in safety, health and conservation activities.

County championships were won by these members: Elda Harms, leadership; Dean Hessman, potato; Clarence Wasson, tractor maintenance; Patsy Wasson, safety, news writing and outstanding 4-H Club girl. Patsy also won second place in the state news-writing contest.

Dickinson county 4-H'ers recently held a county-wide carnival to raise money. They needed money for their county council and for furnishing a new county fair building. County club agent Armin Samuelson writes each club operated a booth and the county rural life organization ran a square dance. Most popular events were a basketball throw, bingo, dart throwing, penny pitch, ball throwing and variety show. More than 1,000 persons attended. And the net profit was \$297.60.

Growing rabbits is now a 4-H Club project in Kansas. It was made a project for the first time in 1950, says the state 4-H Club office. A total of 309 members enrolled in the new project, raised 2,603 rabbits. According to the U. S. Department of Agriculture, there's a growing popularity in this project over the nation. During 1950, more than 132,000 rabbits were raised by 12,000 members. Rabbit growers were enrolled in clubs in about half the counties of all the states. They were most active in the western part of the country.

It's Number 19. That's the number of 4-H Clubs in McPherson county now, says Robert Brush, club agent. Newest club was organized November 14 at Fremont School. No name has been announced yet. David Bengtson is president. Community leaders are Mrs. Arthur Bengtson and George Ferguson. A 4-H movie, "I Pledge My Heart," was shown at the organizational meeting by Frank Olson, of the REA office at Lindsborg. Mr. Brush gave a talk on 4-H Club work—requirements, membership and what is expected of members, parents, leaders.

Here's a quick view of great progress made during 1950 by Kansas 4-H Clubs. A total of 29,320 boys and girls are now enrolled. Profits and savings from projects passed the 3-million-dollar mark for the year. Total was \$3,084,908, an increase of \$120,000 over 1949. Total value of club-produced projects was \$6,048,872.

Projects showing greatest value and profit were beef, wheat, corn, dairy and swine, in that order. Poultry numbers increased by more than 100,000. There were acreage increases in corn, garden and sorghum. All home economics projects showed increased enrollment over 1949. These and other figures were revealed in an annual report of the state 4-H Club department at Kansas State College.

The Salina Lions Club has been an outstanding booster of Saline county 4-H Club work since 1927. County club agent Richard W. Winger writes the club sponsored the 24th annual county 4-H Club achievement banquet in Salina on November 28. More than 400 persons attended. Featured speaker was Dale Johnson, International Farm Youth Exchange delegate to Finland. Dale is a former Bavaria club member.

Don Wilson, former Tannerville 4-H Club member in Pottawatomie county, is now a newspaper farm editor at Dodge City. David Nies, club reporter, writes Don graduated from Kansas State College last May. David also wrote us about his club party for parents held recently. Wes Seyler, farm director of WIBW, was guest speaker. The party also served as a club achievement meeting. Members received their prize money for winning exhibits at county and state fairs.



These happy 4-H'ers of Dartmouth 4-H Club, in Barton county, are proud of their beautiful trophy awarded by Ellinwood Chamber of Commerce for outstanding achievement during the past club year. Shown above, front row (left to right) are: RoseMa Hecke, Barbara Bryant, Evely Hecke, Elinor Bryant, Allen Bryant, Lorraine Duncan. Second row (left to right): Chris Banks, LaVerne Langrehr, Mary Hienz, Margaret Hecke, Sondra Goronds, and Mrs. Harry Bryant, leader. Back row (left to right): Patsy Banks, Lawrence and Daniel Wirtz, John Hecke, leader, Mervin Langrehr, and Ruth Shadely.

Helen Ramsour, former outstanding Geary county 4-H Club member, is now a leader in home demonstration agent work in Kansas. She is home agent in Anderson county at Garnett. Before that she was agent 3 years in Chase county. She is president-elect of the Kansas Home Demonstration Agents Association.

She graduated from Kansas State College in January, 1945. Helen was elected president of the Collegiate 4-H Club there, was one of 4 of her graduating class to have her name on the club Honor Roll plaque. She also served as business manager of the Who's Who, 4-H Club yearbook of Kansas. In 1939, she was one of 2 Capper scholarship winners.

The Afton 4-H Club of Sedgwick county sold a calf at a community sale to raise some money for the club treasury. A 4-H Club calf was sold January 15 at the Afton Community Hall, writes Ramona Wiechman, club reporter.

"Scrap paper isn't so scrappy when it comes to money," says Jayne Rue Wyatt, newly-elected reporter of the Anderson county 4-H Club Council. In a recent paper drive, members of 15

## SELLING O'BRYAN RANCH HAMPSHIRE

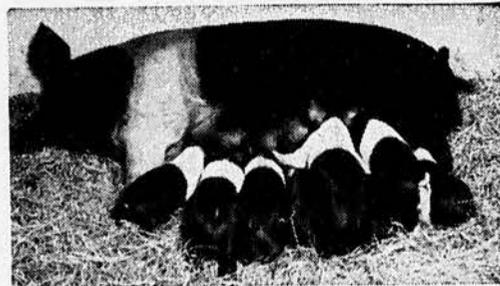
### March 3, 1951

To be held at the Home Ranch 7 miles west of Hiattville on state route 39. Sale will begin promptly at 1:00. Lunch will be served on the grounds.

### 100 Gilts Sell

All from production tested litters.

Also Fall Boars and Gilts



Our Hamps' have been continuous winners at some of the larger shows of the country. At the American Royal we won the sweepstakes carcass class, champion sow, champion pen of five barrows, and champion pen of three barrows and the premier American Royal exhibitor. At the National Western we had the reserve champion barrow and the reserve champion pen of three.

Profit through years of production testing, O'Bryan Hamps are the Farmer-Feeder-Packer-Housewife type. We also will sell a number of fall boars.

These famous sows will be carrying matings to such great sires as Mischief Choice, TRADE-WIND, 1948 Illinois grand champion; IDEAL BOUND, littermate to 1949 Illinois grand champion Master Model and to CONTESTANT, a son of Master Model and Northwest Star.

Write for Free Catalog  
**O'BRYAN RANCH**  
JOE O'BRYAN, HIATTVILLE, KANSAS

## 11TH ANNUAL POLAND CHINA SALE FEBRUARY 28, 1951

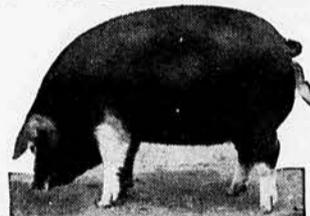
at Sale Barn

### OBERLIN, KANSAS

50 Head of Registered Polands. 35 Bred Gilts,  
5 tried Sows, 10 Fall Boars and Gilts.

Gilts are mostly sired by Herndon King. Many of the dams are by Cavalier and Cardinal, the 2 great Bauer bred boars. Most sows and gilts are mated to Black Joe by Western Prince by Western Union, the McNamra boar. The offering is Cholera immune.

Write for catalog to PAUL ERICKSON, Herndon, Kansas  
Col. Bert Powell, Auctioneer



clubs brought in 50,000 pounds of scrap paper. The sale netted \$413.83 for the council treasury.

Washington county 4-H Club members held a roller skating party recently, at Marysville, to become better acquainted with one another in a social way. County agent E. L. McClelland says 150 members from all over the county attended. Dickie Pannbacker, of the Busy Bee 4-H Club, says he fell down "just 19 times!" Mr. McClelland reports "the group consisted of some very fine skaters on down thru the ranks to those who were on roller skates for the first time. The latter group did much to assist the janitor in sweeping up the floor."

Westline Pals 4-H Club members in Seward county acted as hosts at their Penny Supper and Bingo Party recently at the Pleasant Valley schoolhouse. Mrs. Kenneth Reeve, community 4-H leader, says this money-raising event netted the club \$47.16. Fifty-three parents and friends attended. The program for the evening centered around placing the gold seal on the club's charter. The Westline Pals have been in club work only 2 years but are making good in a big way with active members and leaders. Patty Bonsall is club reporter.

"WHAT EVER HAPPENED TO?" DEPARTMENT: Oscar W. Nordy, once a Pratt county 4-H boy, is now on the staff of the Kansas Agricultural Experiment Station at Colby. As a state leadership champion he won a trip to the national 4-H Club encampment in Washington, D. C., in 1938. At Kansas State College, Oscar was in many activities. One was the Collegiate 4-H Club of which he became vice-president . . . Patricia Beezley, former 4-H Club girl in Crawford county, is now in Topeka. She and a sister, Eugenia, are managers of the Penitent Cafeteria. Patricia is a former Washington Trip winner, too. Both girls studied home economics at Kansas State College. Their father is one of Kansas' outstanding stockmen . . . Alma Deane Fuller used to be a 4-H Club member in Republic county. Later at Kansas State College she continued her interests in club work. She was secretary-treasurer of the Collegiate 4-H Club, was a Danforth Founda-

**SHEEP**  
**SUFFOLK and HAMPSHIRE  
BRED EWE SALE**  
SALE HELD AT  
**Oskaloosa, Iowa**  
**Monday, February 26**  
The army has called our shepherd forcing us to reduce our flock.  
Philip Roek of Canada will also have some sheep in this sale.  
Write for catalog to  
**BEAU GESTE FARMS**  
Oskaloosa, Ia.

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Haven, Kansas

**BERT POWELL**  
AUCTIONEER  
LIVESTOCK AND REAL ESTATE  
1529 Plass Avenue Topeka, Kan.  
**Ross B. Schaulis, Auctioneer**  
Purebred Livestock, Real Estate and Farm Sales.  
Ask those for whom I have sold.  
CLAY CENTER, KANSAS

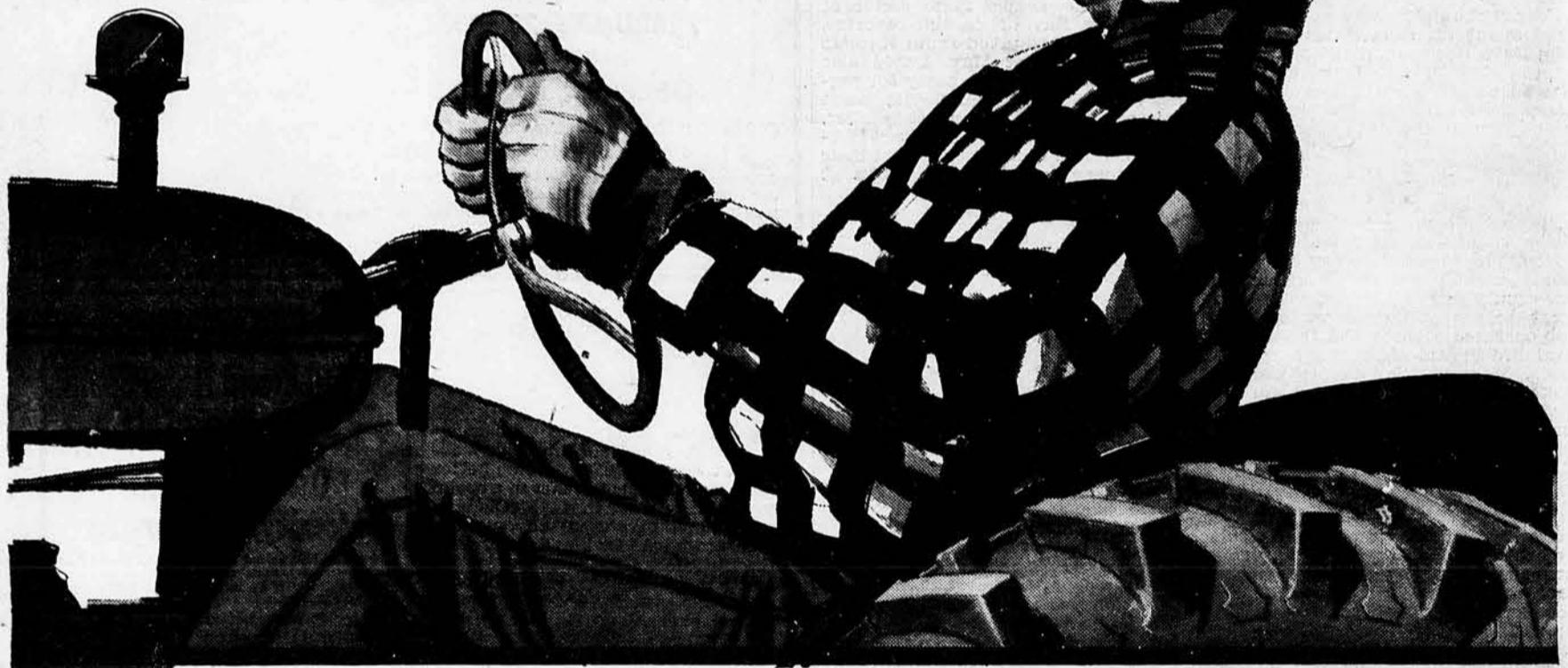
tion Fellowship winner. Alma Deane served on the staff of the Who's Who, state 4-H yearbook, also. She recently was appointed director of the American Forest Products Industries Education division, with offices in Washington. She once was assistant extension editor at Kansas State College.

"Do-si-do and swing your girl, take a little peek and swing all four"—I think, says Patricia Toburen, reporter for the Lucky Thirteen 4-H Club in Washington county. Square dancing is popular with many clubs over Kansas, and this club works hard being good at it. Members of the club practiced square dance steps at a recent club gathering. The club is giving a square dance party at Spring Valley in the near future, and members decided they're all going to be top dancers. Another way this club livens up their monthly meetings is to have informal singing contests.

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