

# Kansas Farmer



MIAMI COUNTY Rural Lifers, Margaret Besley, left, and John Lyder, right, unload visual aids for presentation of program at one of Miami county's 4-H Clubs. Equipment is coming out of car of Muriel McHale, county home demonstration agent, pictured in center of group explaining various microphone techniques.

## What Will They Do Next?

**Miami Rural Lifers always doing something useful; 19 members are chock-full of ideas and enthusiasm to make them work**

**B**IG jobs and plenty of enthusiasm to get them done have made a great name in Eastern Kansas for members of the Miami County Rural Life Association for their program of community service. And they have a social program to match it. Last year winners of the Kansas blue star award for service projects, Miami Rural Lifers sponsored a drive that netted \$800 for Rock Springs, the state 4-H Club leadership camp. The year before, they sponsored a fund drive for the Christian Relief Overseas Program, and climaxed it with a county corn festival. Result, \$1,635 from Miami county to the state fund for CROP.

In 1950, Rural Lifers were called on to do a job in the interest of the county's 19 4-H Club groups. The county was without a 4-H Club agent or home demonstration agent and recreation leadership was needed. Rural Lifers answered the call by learning to call dances and with the aid of a loudspeaker and microphone from the Extension office, launched a program of [Continued on Page 26]



JOHN LYDER, right, shown at time of presentation of check for \$800 collected in Miami county for Rock Springs 4-H Camp development. J. Harold Johnson, state 4-H Club leader, is shown receiving check, result of drive directed by Miami Rural Life members.

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## Coming, February 2...

There are many valleys in Kansas where lack of drainage is a constant threat to crop production. How farmers in one Kansas creek valley are solving this tough problem will be told in the February 2, issue of *Kansas Farmer*. Perhaps their experience will help your community overcome a similar situation.

## Livestock Like SORGHUM PELLETS



"Here's a new, tasty dish  
you'll go for, dear!"

KANSANS are leaders in one of the newest ideas in feeding forage sorghums to livestock—sorghum pellets. According to the 1951 Yearbook of Agriculture of the U. S. Department of Agriculture, the first man to dehydrate sorghums is said to be Paul Johnson, of Independence. "He processed 35 acres of Atlas sorgo on his farm in 1940 and fed the product to his dairy herd with apparent success." He mixed dehydrated sorghum meal with molasses.

John Vanier, owner of C-K Ranch at Brookville, began dehydrating sorghum in 1946. "He used dehydrators he had for processing alfalfa." He added proteins, molasses and other ingredients in proper proportions to dehydrated meal, which was then made into pellets.

The USDA Yearbook comments that experiments indicate nutrient value of dehydrated sorghum meal compares favorably with that of silage or fodder made from the crop.

### Something Extra Added

Processing sorghum made into pellets is a specialized operation and certain machines and materials are "musts." Field cutters are needed to reduce standing crops to green silage. Large trucks are needed to bring material to the dehydrator. Extra nutrients are added to the crop—such as proteins and molasses. "One limitation on dehydrating sorghums is the distance from field to processing plant, a factor that limits its general use on farms far from a dehydrating plant." Also, to be carried out economically, the dehydration process needs cheap natural gas available for fuel. "In Kansas, natural gas is readily available from a supply distributed from the western end of the state."

There are several advantages in dehydrating sorghum into pellets. Nearly all nutrients of the crop are retained in the dry product. "The process eliminates certain losses that occur when the forage is cured and fed as fodder, or when it is converted into silage." Pellets are easy to handle, store and transport. Low moisture content makes them highly resistant to insect damage. Also, there's the promise of pellets as a supplement to the more bulky feeds on farms. "It has been favorably received, and supply has not been equal to the demand. Pellets are nutritious and palatable to cattle and hogs."

Most forage varieties of sorghums now available are satisfactory for dehydration, altho "a range of early-to-late varieties is desirable to lengthen the season." Ellis, a new, early-maturing sorgo released by the Fort Hays Experiment Station in 1948, has been found satisfactory for early dehydration. Ellis has a high sugar content, its

leaves are free from red blotching have a bright appearance, and has out well in bundle feed and silage.

Industrial possibilities of pellets are being studied, and "there is every reason to believe the new method ushered in an improved concept of utilizing a roughage feed never dreamed of 50 years ago."

The author of the USDA article, A. F. Swanson, who has conducted sorghum investigations at Hays since 1946. He originated and put into production many varieties of sorghums, and studied utilization of the crop as forage and silage and as a supplement to sown wheat when used as winter pasture.

## Seed Industry Is Profitable One

The seed industry in Kansas is one of the largest in the state—35 to 50 million dollars a year income from 8 million grain crops.

Seed from those 8 crops—corn, wheat, oats, barley, sorghums, rye, and soybeans—provide employment for thousands of persons, states Professor Emeritus C. D. Davis, Kansas State College agronomist. The work includes growing, processing, testing, treating and distributing seed. The aim of the farmer, research man and testing specialist in providing about 20 million bushels of seed each year is higher production from the state's farms.

## More Livestock Help

Kansas now has 2 state veterinarians. They are Dr. Ray S. Pyle, of Wichita, formerly an inspector at the Wichita Union Stock Yards, and Dr. John H. Topeka, former assistant state veterinarian.

Doctor Pyle will continue to live in Wichita and will supervise all brucellosis control work. Doctor Harris will continue in charge of the TB program. Reorganization of the work came as a result of the recent death of George Rathman, who had been a veterinarian of Kansas 12 years.

## KANSAS FARMER

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# "In Tractors, here's my choice"



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EXAMPLE of response of oats to fertilizer on farm of Beattie Ray, Allen county. Sparse area received no fertilizer. Heavy growth is due to fertilizer application.



TWO HUNDRED pounds of 10-20-0 increased wheat yields 23.9 bushels last year in test plots on Fred Doyle farm, Shawnee county. Untreated wheat made 17.2 bushels, fertilized wheat 41.1.

## Is Your Farm HUNGRY?

If so, what fertilizers do your fields need? How much do they need for better production? This article tells how you can find out and be sure.

By DICK MANN

OUR soil is the biggest digestive system in the world," says L. E. Willoughby and Gene Cleavinger, Kansas State College Extension agronomists. That is their way of bringing a complicated chemical process down to simplest terms.

It's like this, they say. When you eat food it is acted upon by acids and bacteria in the digestive system until it is reduced to a liquid that can be taken into the blood stream. If you starve your system of certain needed foods the body becomes undernourished and eventually may break down.

The same process goes on in the soil. Plant food is acted upon by bacteria and acids until it becomes soluble and can be absorbed by plants. When you starve your soil of certain needed food elements it becomes undernourished and will break down just as will the human or animal body.

Perhaps this simple explanation will help you understand work now being done by the college in trying correlate soil testing with fertilizer applications in co-operative test plots.

Here is how it works. Soil tests are made of soil where test plots are to be set out. Using results of these soil tests, co-operative farmers apply various combinations of fertilizers. These are compared to no-treatment plots to see whether the soil responds as indicated by soil tests.

While no general conclusions have been made, interesting results were obtained on some of the plots. Of course, these results were greatly affected by weather and other factors. But here are a few examples that show fairly good correlation between soil tests and fertilizer applications.

On the William Wohlegmuth farm, in Atchison county, the test showed soil was high in organic matter, low in phosphorus and high in potash. Four thousand pounds of lime an acre were required to offset acidity before fertilizer was applied.

Wheat with no fertilizer treatment made 21.9 bushels an acre. Yield was boosted 15.5 bushels, or up to 37.4 bushels an acre, with application of a complete fertilizer.

When phosphorus was left out of the mix-

ture the plot produced only one bushel an acre more than the untreated plot. When only nitrogen was left out the increase was 4 bushels an acre over the untreated plot.

Leaving out potash gave an increase of 11.2 bushels over the untreated plot. The soil test had shown phosphorus was the chief limiting factor on production, with nitrogen secondary. The fertilizer test confirmed the soil test. Similar results, with variations, of course, were reported on both wheat and oats tests over the eastern part of the state.

Soil tests, say Mr. Willoughby and Mr. Cleavinger, offer a means for evaluating the plant food content and acidity of the soil.

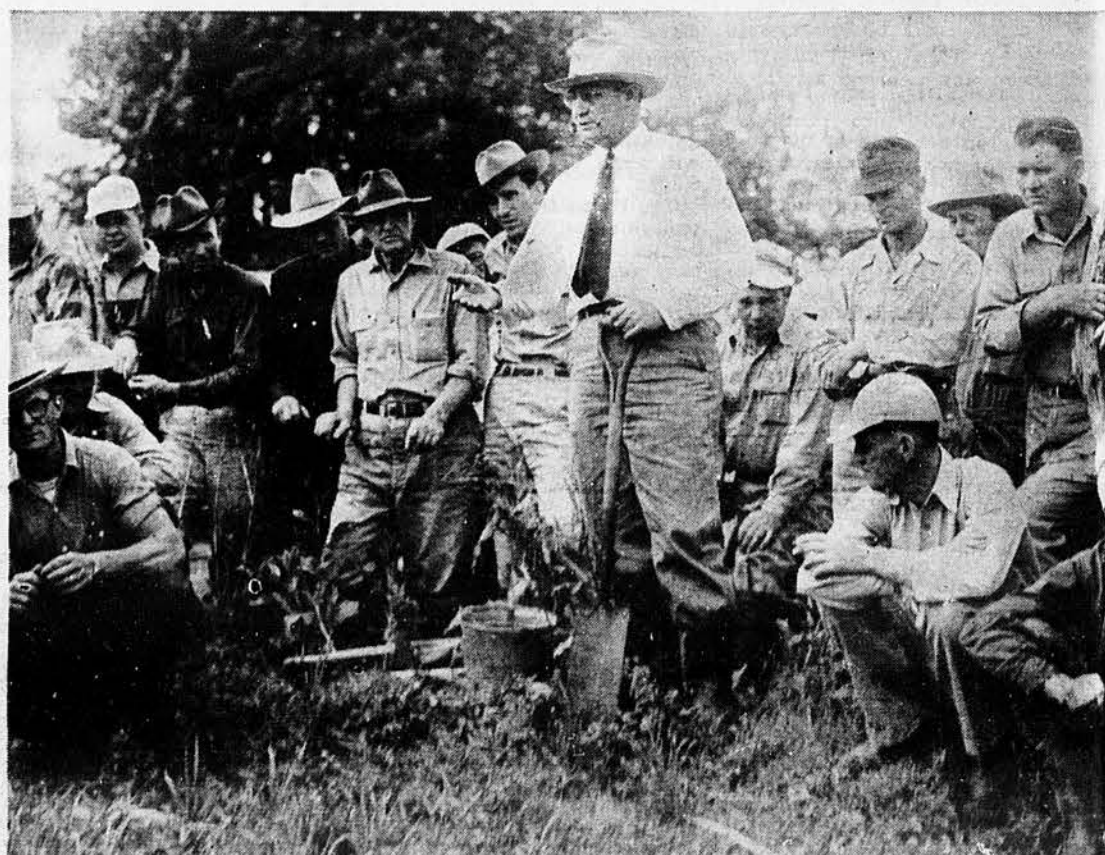
The physical condition of soil is an important factor in Kansas in how well plant food in soil is made available to crops. Using a good crop rotation (including a legume) and tillage at proper moisture content are the best ways of maintaining the soil's physical condition, say the Extension agronomists.

At the start of this story, we mentioned the soil was a digestive system and thru this digestive system makes food in the soil available to plants.

Plant foods, according to a bulletin, "On Land and Its Care," published by the American Plant Food Council, Inc., come in 3 classifications—primary foods, secondary foods, and minor foods.

If you don't already know perhaps you will be interested in how these plant foods are classified and what each kind of food does for the plant.

The 3 primary [Continued on Page



PROPER METHOD of taking soil sample is most important step in getting accurate soil analysis. Here, Gene Cleavinger, Kansas State College Extension agronomist, explains proper method to group in Linn county.



# How Chemical Sprays Help

... They boost alfalfa seed production, add extra pounds of beef, increase grazing areas, put an end to hedge and buckbrush, keep dairy cows fly-free, control weeds in corn

By MIKE BURNS



ATCHISON COUNTY weed supervisor, Herbert Happel, looks on as county agent Clarence Vetter peels back bark on stump looking for any sign of life in this 40-foot row of sprayed stumps. Mr. Happel estimated a 98 per cent kill on the stumps which were sawed last January and sprayed May 7 with 2 pints 2,4,5-T and 8 pints diesel fuel. They are on the James Christie farm near Effingham.

AGRICULTURAL chemicals are the greatest discovery since farm machinery, says Morris McKean, of a. And he can cite results to back up statement. Besides that, Mr. McKean, who has built up a year-around business of spraying crops, livestock and timber, gets word every few days some new spray discovery. And he knows many folks who are experimenting on their own to see just what all these sprays can do.

W. C. McCormick, at Humboldt, harvested the biggest alfalfa seed crop in his experience with a yield over twice the average for this area," Mr. McKean cited. "He did it using a DDT and BHC combination to protect the boms from insects."

Beef producers are finding what new craves mean to them, too. In Allen county, the sprayman estimates, catmen are getting 50 pounds more in per head by using a combination of lindane, DDT, and a spreader and cracker for fly and lice control.

## More Pasture for Milkmen

With a growing demand for dairy products in this section, timber sprays are becoming vitally important, Mr. McKean pointed out. Here's the way works. Outer bark of trees in pastures is sprayed or painted from the ground up 2 feet. This treatment de-lays the trees, allowing sun and moisture to reach the pasture floor. Grasses will frequently renew themselves where timber growth has not been too dense. Thus this land is made available for grazing without the necessity of removing trees, and more dairy animals can be pastured on the farm. The additional land will often more than pay for this treatment in just one season of spraying.

Elmer Thomas, at Humboldt, got 80 per cent kill on wild sumac in his pasture with his first spray, and complete kill on second application the last of June. He uses a pound each acid equivalent of 2,4-D and 2,4,5-T one part to 10 parts of fuel oil (or kerosene will serve in place of oil). Buckbrush reacted to the same treatment. Osage hedge and some growing out in pasture reacted to the same treatment. Mr. Thomas cut the hedge along fence line back to the ground, except for a few stumps he cut at post height to support a fence. He sprayed a year ago in August with a pressure spray. Some sprouts grew the first year, but second application last August gave complete kill.

Methoxychlor keeps Mr. Thomas' grade-A dairy herd free of flies about 2 to 3 weeks after spraying, depending on how soon rains wash the sprays off. The dairyman uses a fire extinguisher to do the spraying. He even sprays his tractor. Using diesel oil, he sprays the motor, then washes it off with water, to clean it up after working in dusty wheat fields.

Mr. McKean has had good luck with 2,4-D controlling weeds in corn. He has used a pre-emergence and later sprays in the season with especially good results on the Kenneth Heinz farm, at Colony. Pre-emergence spray is applied at 1½ to 2 pounds of 2,4-D per acre just before corn plants break thru the ground. Control of weeds lasts about 3 weeks.

Cocklebur in corn were killed with a mixture of ½-pound 2,4-D per acre, applied preferably before tassels appear, but still successfully after the silks have dried.

Mr. McKean uses both the ester and amine forms of crop sprays, depending on conditions. While the ester form gives better penetration and immediate absorption, it may also injure the crop if it is too dry. The amine form doesn't drift, but is slower to act and will wash off in 10 to 15 hours if rain comes.

The Heinz farm also is the scene of experimental work with spraying liquid fertilizer. This treatment was applied to a cornfield along with a 2,4-D as a pre-emergence spray. A flood wiped out the project, however, but Mr. McKean plans to repeat the test.

On the Homer Wallace farm, at Colony, Mr. McKean stopped a grasshopper infestation in clover, using



THIS WAS ELMER THOMAS' problem—a dense growth of orange which was crowding valuable pasture land and robbing soil of moisture for grasses.

toxaphene and either toxaphene or chlordane stopped webworm attacking alfalfa.

Powerful TCA subdued Johnson grass, but it almost got the best of Mr. McKean, too. It attacked the paint on his tractor and caused his skin to burn and peel, altho he had no pain with it. Results on the grass look good so far. "There will be some sprouting from seed that was in the ground, but by planting wheat in the fall, harvesting in June and July, plowing and disking, and repeating 2 or 3 years, the Johnson grass seedlings should be cleared out."

For evergreens, Mr. McKean uses arsenate of lead on bagworms and sulfur or parathion for red spider. He has had several contracts for fly control in cities. Using chlordane to control chiggers in lawns he found also helped in control of mosquitos and flies.

For termite control, Mr. McKean recommends digging a trench 18 inches to 2 feet deep around the foundation. Pentachlorophenol is mixed with the soil as it is replaced and by thus poisoning the soil, the termites' water supply is cut off.

It was 4 years ago Mr. McKean started spraying. He bought the first low-pressure, low-volume sprayer in his region and started taking care of cattle herds.

## Gave Good Control

Jim Petr, who manages the Brown county spraying equipment and teaches Vocational Agriculture at Powhattan, has some positive cattle spraying results. For hornflies, 6 pounds of 50 per cent wettable DDT to 100 gallons of water and 6 pounds BHC to 150 gallons of water gave good control. When barn and housefly season hit, tho, concentration had to be stepped up to 8 pounds DDT and 6 pounds BHC to 100 gallons of water before the fly problem was licked. BHC took care of mange and lice infestation, too, Mr. Petr added.

Lindane was used in dairy barns. "We bring cows in with flies on them. Flies soon leave the animals and go to the walls. Then we let the cows out and spray the walls with lindane. Next morning you won't find a live fly on the place," Mr. Petr states.

He did a lot of spraying last season for webworm on alfalfa and beans. Don Jaques, at Willis, had both crops, but 1½ pints per acre of actual toxaphene stopped the worm.

When Dutch Elm disease was suspected in the county, Mr. Petr applied the DDT and BHC combination in proportions used for hornflies and stopped the disease.

From Atchison county, Herbert



MR. THOMAS cut back the hedge, leaving some stumps post height to support wire fence. Then he applied a spray of 2,4-D and 2,4,5-T in combination. Two applications have given almost complete control of sprout growth, leaving fence posts already set and saving expenses of grubbing out stumps.

Happel, county weed supervisor, reports sodium chlorate is doing a real job in bindweed control. After 4 years, 46 out of that county's 535 farms listed as being infested have been removed from the list. The chlorate, which sterilizes the soil, gets the job done in one year, but cannot be used where erosion is endangered. A 4-year program using 2,4-D also is successful, planting the land to timothy and brome and harvesting a crop each year.

Mr. Happel also has had success in experiments with basal foliage sprays, using 2,4,5-T alone, 2 pints to 8 pints of diesel fuel and sprayed into bark under 40 pounds of pressure, from the ground up 18 to 20 inches.

In addition to farm uses, these sprays are gaining importance in other industries. Telephone and power companies are using them to control brush which grows up and interferes with their lines. Railroads are using chemicals to clear grade crossings of brush obstructions. Sprays are even being used to clear drainageways clogged by dense plant growth which might otherwise cause floods.

While agricultural chemicals are no "cure-all," they are newly-improved tools the farmer has in making his operations more effective and more efficient.

## We Have Rights

The very basis of American life is that each human being has rights. One third of all the world's people are under governments that deny individual rights of men.

—Harold Stassen.

## Kansas County Agents Name Their Officers

EVANS BANBURY, of Goodland, is new president of the Kansas County Agents Association. He was elected at the recent annual Extension conference, in Manhattan. Other officers are Harvey Goertz, Hiawatha, secretary-treasurer, and Wilbur White, Elkhart, vice-president.

Cecil Eyestone, Independence, will head the Kansas 4-H Club agents. Rob-

ert Danford, Great Bend, is vice-president; Lowell Wickham, Iola, reporter, and Forrest Smith, Lyons, secretary-treasurer.

Ellen Batchelor, of the KSC Extension staff, is the new chief of Alpha Rho, Kansas Chapter of Epsilon Sigma Phi, national honorary Extension fraternity. E. L. McClelland, Washington, is vice-chief; Harry C. Baird, Manhattan, secretary-treasurer; Leonard F. Neff, Manhattan, analyst, and E. H. Teagarden, Manhattan, editor of the Professional Outlook.


## Choose Honorary Group

Ten Kansas Extension workers were initiated into the honorary group. They were Isabel Dorrill, Garden City; Robert Nuttelman, Independence; Blanche Brooks, Clay Center; Charles W. Pence, Salina; Hobart Frederick, Wellington; Frank Bieberly, Manhattan; Wendell Moyer, Manhattan; Walter Campbell, Lyndon; Hoy Etling, Garden City, and Roger Hendershot, Anthony.

A. F. Turner and C. G. Elling, both now retired in Manhattan, were presented certificates of merit in recognition of faithful service.



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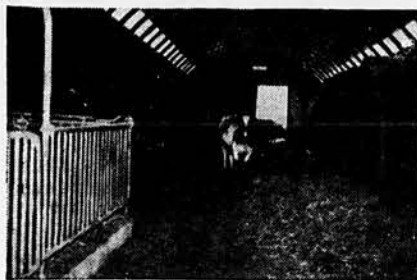
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## What Will Congress Do? Don't Expect too Much!

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—This second session of the 82nd Congress, which President Truman Wednesday of last week asked to forget partisan politics because of the war threat—and thereby still criticism of the Administration—seems to be what might be termed "President conscious."

And the prospect might as well be faced that Congressional action—and Congressmen's speeches and voting—will take into very serious consideration the primaries, the national conventions, and the November elections. Even President Truman's message to Congress on the State of the Union took into consideration the fact that 1952 is a presidential year. Most votes will be cast with a weather eye on its possible vote appeal.

#### Two May Be Canny

Possible exceptions to this generalization might be votes cast by Sen. Robert A. Taft of Ohio and Rep. Wint Smith of Mankato, Kan. From observation from the press gallery, these 2 members of Congress typify politicians who consider their own convictions more important even than votes for themselves in the next election. And they may be pretty canny at that; neither has ever lost an election—so far.

President Truman will not be able to control this Congress, any more than he was able to control the Republican 80th Congress; the Democrat 81st Congress, and the first session of this 82nd Congress. Except—and this is an important exception—he has wangled more dollars to be spent at his own discretion than any previous President.

#### What Will Congress Do?

A fairly conservative guess on this session of Congress adds up to about this:

It will pass the appropriation bills. There will be a lot of speeches about reducing appropriations; about cutting down on the tens and tens of billions asked by the Pentagon for military purposes. But reductions under the amounts asked in the Truman budget message will be mighty small. When the roll calls come, few members will be brave enough to vote against what the military says they have to have for national security.

Appropriations for world security may be cut down some. There seems to be a growing realization that 6 per cent of the world's population—the United States—cannot forever guarantee the social and military security of the other 94 per cent.

Up until about June 15—barring an all-out war which the Kremlin probably will be too smart to start—it will look as if Congress might refuse to extend the price and wage controls provided in the Defense Production Act. But on the showdown the act probably will be extended. You must not expect individual members of Congress to be too courageous in face of threats of pressure groups whose leaders are more interested in cementing their own powers than in the lessons of history or the future of their country. A modified price control extension act will be voted before June 30.

#### Eisenhower in Spotlight

Texas-born, Kansas-reared, Roosevelt-Truman-promoted Dwight D. Eisenhower, holds center of the stage in the American political picture in the first months of the crucial year of 1952.

On the first Sunday of the New Year Sen. Henry Cabot Lodge, Jr., of Massachusetts—who inherited from his illustrious grandfather only the name and part of the estate—the national manager of the draft-Eisenhower-for-President movement, held a press conference at the Shoreham hotel in Washington.

At this press conference, standing before a blown-up picture of General Eisenhower, Senator Lodge stated:

"I have asked Gov. Sherman Adams of New Hampshire, to enter General Eisenhower as a candidate for the Presidency on the Republican ticket in the New Hampshire primary."

"I have assured Governor Adams that General Eisenhower is in to the finish."

"General Eisenhower has assured me he is a Republican. His name, therefore, can not be entered as a Democratic candidate in the New Hampshire primary or elsewhere. . . . I ask you to check this in Paris."

On Monday, General Eisenhower from SHAPE headquarters in Paris issued this statement (Associated Press):

"Senator Lodge's announcement yesterday, as reported in the press, gives an accurate account of the general tenor of my political convictions and of my Republican voting record. (Lodge also stated that General Eisenhower had voted Republican on the occasion when he had voted)."

#### Not Seek Nomination

"He was correct in stating that I would not seek nomination to political office."

"I have frequently and publicly expressed my refusal to do so."

"My convictions in this regard have been reinforced by the character and importance of the duty with which I was charged more than a year ago by our country and the other nations of the North Atlantic Treaty Organization. America's enlightened self-interest and the future of Western civilization alike demand success in our collective effort to produce security against communist threat and to preserve peace."

"Under no circumstances will I ask for relief from this assignment in order to seek nomination to political office and I shall not participate in the pre-convention activities of others who may have such an intention with respect to me."

"Of course,"—and here is the outline for the General to be a candidate without himself becoming a candidate figure that out for yourself—"Of course, there is no question of the right of American citizens to organize in pursuit of their common convictions."

"I realize that Senator Lodge and his associates are exercising this right in an attempt to place before me next July a duty that would transcend my present responsibility."

"In the absence, however, of a clear cut call to political duty I shall continue to devote my full attention and energies to the performance of the vital task to which I am assigned."

The statement from General Eisenhower in reference to his own voting record—"general tenor" correct—was to this sentence in the letter from Senator Lodge to Governor Adams of New Hampshire: "Senator Duff (Penn.) and Senator Carlson (Kan.) and others have told me they have had similar conversations. During these discussions he specifically said that his voting record was that of a Republican. He also pointed out that his political convictions coincided with enlightened Republican doctrine and that the family tradition was Republican."

"In other words," exploded Sen. Andrew F. Schoeppel of Kansas, he has the effrontery to ask the Republican party to nominate him for President without his ever having stated a single conviction of party principle, political belief, or whether he ever has been voting Republican in any election."

## Statehouse Had Bathtubs

At one time every state office had a handsome porcelain bathtub and washstand of pure white marble, put in during the Populist administration. The Georgian marble in the rotunda of the third floor was put in by the Populist party as their memorial.



# Best for Owner and Tenant Is Stock-Share Lease

By MIKE BURNS

THE STOCK-SHARE lease is by far the best arrangement for owner and tenant, agree Marshall Hall and Ted Rockhold of Brown county. Mr. Rockhold, since March of last year farming acres owned by Mr. Hall near Horrocks, has tried both this and the cash lease program. He has found the lease is every way better for the livestock producer.

Division of crops is easy," Mr. Rockhold states. "If I want to, I can hog corn without worrying about a division. The average renter has difficulty talking the owner into letting him put in a trench silo. This way, the share of the farm is being thought of, Everything but the finished product—livestock for market—stays on the farm. The way we operate, fertility is put back on pasture soils where it comes from originally."

## Both Realize a Profit

For my part," Mr. Hall pointed out, "like the plan because all I have to do is drive by and look over the fence and know everything is going all right. Besides, 2 can get together necessary capital for a livestock program better than 1. Both of us can make a contribution and realize a profit this way."

Grass, silage and hay pay most in the area, Mr. Hall and Mr. Rockhold found. Seventy-five per cent of the income is in pasture this year.

Mr. Hall began building up the place years ago when he took a 5-year lease on it. Then in 1950, he bought it. Just before the purchase, a tornado ripped the farm, picking up the first barn and throwing it into the rest of the farm buildings and part of the northeast line. The result was every building on the place had to be rebuilt extensively remodeled.

The 52-by-72-foot hay barn for feeding cattle along with an efficient system of sorting pens was recently completed. The barn, with a 200-head feeding capacity, is of pole construction, covered with sheet iron, and equipped with portable panels which save time in feeding hay. The cattle literally

eat their way into the barn. The panels have wide openings at the top through which cattle can put their heads to feed on hay which is knocked down from the barn stack as they eat their way in. Panels are moved further and further into the barn as the cattle eat into the baled stack. Plan for the barn came from a national farm service organization. Mr. Rockhold also uses the barn occasionally for a hog shelter and it also can be used to house machinery.

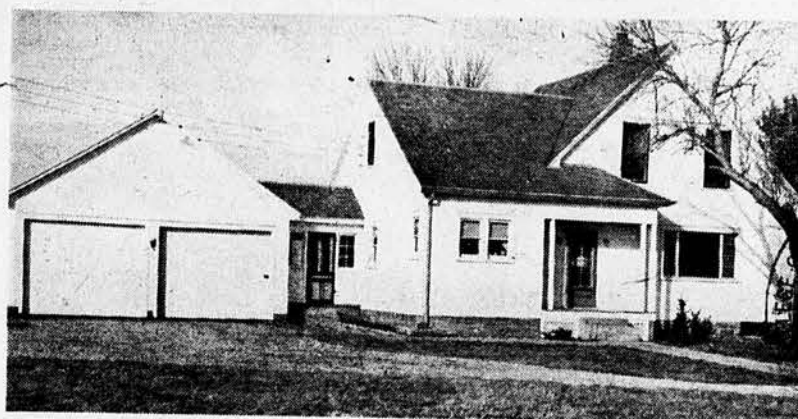
The 5 sorting pens are connected at one end with a loading chute permanently located at one end of a central runway. At the opposite end is a holding chute. "Anyone who handles cattle the way we do ought to be equipped for it," Mr. Hall stated. "We find this way we can do most anything we want to with our animals and all easily within the penned area."

Again with efficiency in mind, Mr. Hall's setup includes a trench silo lined with concrete and reinforced every foot. With a 350-ton capacity, the silo is 28 feet long, from 13 to 17 feet wide, base to top, and with a base 8 feet below ground level. It is located right alongside the highway which runs along the north line of the farm, and the short road up to the silo is graveled for easy access. Corn and sorgho were used for silage. Dump trucks were used to fill and pack the structure.

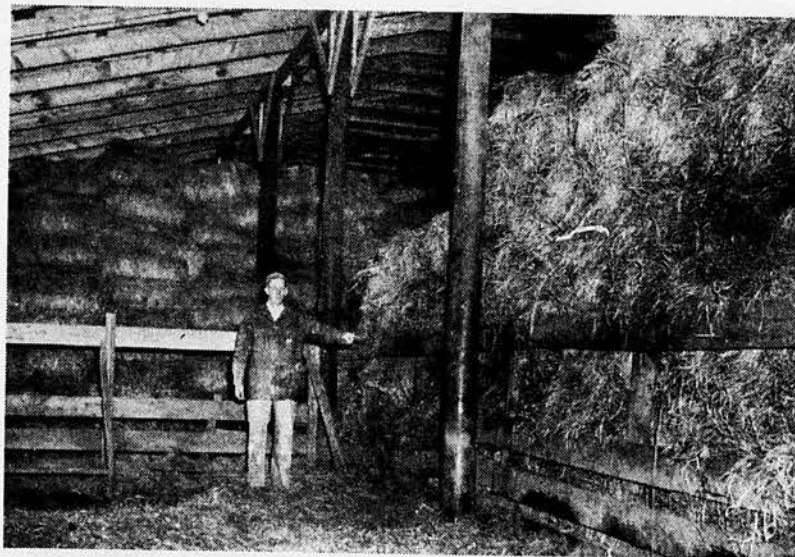
## Comfortable Place to Live

The tornado took off the front porch of the house which faced east and other repairs were needed. Mr. Hall enlisted the aid of Extension service architects and rearranged the house to face south. From the new U-shaped kitchen, windows look out on 3 sides so Mrs. Rockhold can see just about everything that is going on about the farm. Three bedrooms are finished and there is room for a fourth. From a large and cheerful living room, a large picture window looks out across the farm. Also included in the house are a full bath, utility room, and breezeway connecting a double garage.

Cattle and hogs are the basis of this farm program. "We put 400 pounds of



**AFTER REMODELING** along lines suggested by the Extension service the Rockhold home now faces south and a large picture window in living room at right looks out across farm. U-shaped kitchen is on southwest corner of house where Mrs. Rockhold can see out in 3 directions. A breezeway also now connects house and garage.



**TED ROCKHOLD** points to one of portable panels he uses to feed cattle. The panels have an opening through which cattle eat their way into stacked hay. As they eat the hay down, panels are moved back to fresh hay supplies. Panel back of Mr. Rockhold is set to show braces which are set into haystack, to hold panels in place.

summer gain on these Texas cattle," Mr. Hall explained. Some 238 yearlings are being fed out at present. "We have had as many as 300 cattle and 220 hogs," he added.

Their feeding program starts with bringing cattle in from Texas in October for winter pasture. After the first of the year, the cattle get a pound of cake, 2 pounds of ground ear corn and 15 pounds of silage per head a day. Hay is supplied when pastures are covered

with snow. Cattle go on grass April 15 and are sold September 1 with 445 pounds of gain per head.

"Our manure spreaders on this farm all have 4 feet," Mr. Hall explained. "Our cattle stay in the pasture all the time except when they come in to dry lot."

Just as enthusiastic about life on the Hall farm as Mr. and Mrs. Rockhold are their 2 children, Ted Jr., 12, and Rose Ellen, 7.

## "Until Dinner Is Ready"

**Soybeans for Shotguns:** More than half of the shotgun shells made in the U. S. now use soybean glue in gluing paper wrappers together that make up the shells, says the USDA. The shell retains its slick, glossy outside coating under damp weather conditions.

**A Dress of Corn:** A new fiber has been made from corn which can be used to make 100 per cent corn fiber fabric, or blended with wool, cotton, rayon and other fibers to make a mixed fabric. It takes dyes, and can be used for making women's dresses, as well as men's suits, says the USDA.

**The Rat!** Three rats usually will eat as much grain daily as 2 top-production laying hens, says University of Maryland College of Agriculture.

**An Apple a Day:** About 1 out of 3 consumers in 2,573 households who had a preference for certain fruits said they preferred apples, reports the USDA.

**New Straw Box:** A newly discovered box board made from wheat straw can be used to replace critical wood veneer now needed for making wire-bound shipping containers for farm and industrial products.

**Land of Plenty:** In 1950, Missouri 4-H'ers cared for 14,225 acres of gardens, 24,715 meat and dairy animals, 53,565 chickens and 380 acres of forests. They served 56,658 meals, canned 61,929 quarts of food and froze 19,488 pounds of food. They made and remodeled 28,665 garments and 6,885 articles for the home. Probably will equal that record this year.

**Better Farm Homes:** As a means to

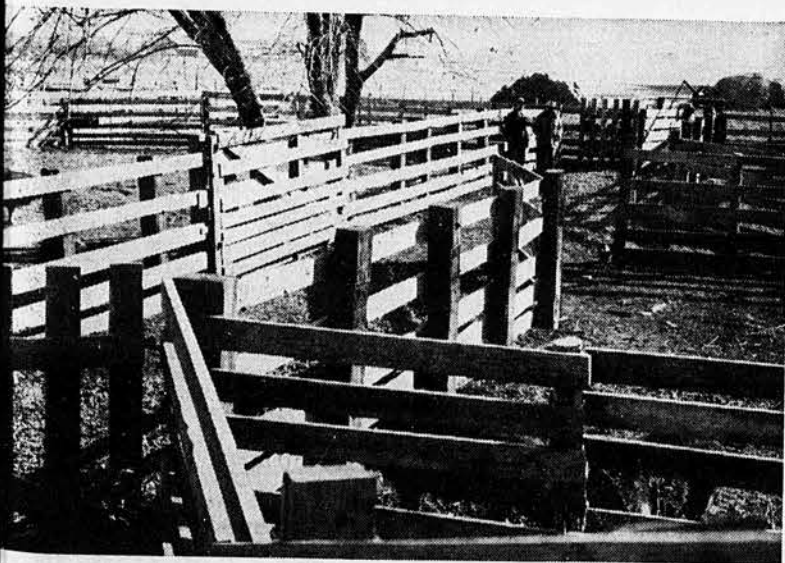


better living, Missouri farm families in 1950 modernized 4,350 kitchens, remodeled 2,684 homes, built 754 new homes and installed 1,640 water systems and 1,672 sewage systems, all with Agricultural Extension assistance.

**Chemical Killers:** Last year U. S. farmers applied chemical weed killers to more than 30 million acres of crops, says the U. S. Department of Agriculture.

**Acres of Hybrids:** In 1950, 65 million acres of corn (77.1 per cent of the total 1950 corn acreage) was planted with hybrid seed. In 1933, states the U. S. Department of Agriculture, the first year of the hybrid series, only .1 per cent of the total acreage was planted with hybrids.

**Unknown Neighbor:** A corn product is in such daily essentials as dentifrices, soaps, liniments, cosmetics, shoes, magazines, tobacco and even plumbing fixtures. Corn products also enter in so many ways, too, in the modern automobile.



**VE PENS ARE ACCESSIBLE** from this sorting alley on Marshall Hall farm, as well as holding chute seen at far end of alley, and loading chute from which this picture was taken. This equipment, Mr. Hall says, enables the farm operator to do a real job of sorting.



**INSPECTING "DRIVE-IN" SILO** on Marshall Hall farm are, left to right, Brown County Agent Harvey Goertz, Ted Rockhold and Mr. Hall. A gravel road leads from highway, seen at left, in to base of silo. Silo is as much as 8 feet below normal ground level, 28 feet long and holds 350 tons. It is walled and floored with reinforced concrete.



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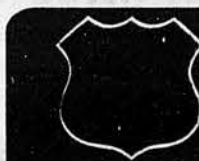
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## Thoughts TO LIVE BY

### Understanding

SOMEONE recently alluded to psychiatrists as holy men. Why? Not necessarily because their morals are better than those of other men. Not necessarily because of their piety. But definitely because of their understanding. They are tolerant of the darkest secrets that sick men must tell before they can get well. If they are punched by a patient, they do not retaliate with their fists, but they look for the motive behind the act. Ah! in this they do resemble God. Do we not believe that He is the searcher of hearts? That He knows our intentions as well as our performance? That He will judge us on the basis of our motives as well as our conduct? This similarity between the Great Physician and his human counterparts is not accidental. One eminent psychiatrist recently declared that understanding is the greatest word in the English language. He considers it the soil out of which love grows.

Indeed, understanding is extremely important. No one can win friends unless he can understand them. No one can serve people adequately or get along with them successfully unless he can understand them. The writer of Proverbs says: "Wisdom is the principal thing; therefore get wisdom: and with all thy getting get understanding."

A teacher became interested in a bully. He discovered the lad's pugnacity began shortly after a serious illness. The illness came at a time when the boy's class was learning long division. Because the boy missed this presentation, his grade in arithmetic suffered, and his standing in the class was lowered. To compensate for this reduced status, the

boy became a bully. The wise teacher understood. Instead of punishing him, he helped him with his arithmetic. When the boy regained standing in the class, his pugnacity disappeared.

Phillip of Macedon was a lover of horses. Someone offered him a magnificent animal for a correspondingly handsome price. But none of the king's trainers could handle Bucephalus. The vicious horse reared whenever he was mounted and threw the rider. Nor would he respond to the voice of any man. As he was being led away, the young Prince Alexander commented that it was a pity such a good horse should be discarded because no one could manage him. At first, his words were ignored, but finally his father heeded them. To teach the rash prince a lesson, his father wagered he could handle the horse. Alexander only accepted the bet, he also won. He discovered the horse was afraid of his moving shadow, so he led him toward the sun and speaking gentle tones and stroking his mane in a soothing way, he soon had the horse calm enough to mount. Then gradually he drew the reins and spurred Bucephalus on. By the time they reached the end of the course, the horse's confidence in his master was greater than his fear of his moving shadow. When Alexander brought him back, the retailer loudly applauded as one can imagine. His father said he was worthy of a larger kingdom than Macedonia because of his understanding.

Every salesman, teacher, preacher, everyone who deals with men or mules needs understanding. Therefore, "with all thy getting get understanding."

— Larry Schwartz

### Coming Events

January 21—Leavenworth county, dairy school with KSC specialist, Leavenworth.

January 21—Mitchell county, district mobilization meeting, Beloit.

January 21—Osage county, school on small fruits and brambles, Lyndon courthouse.

January 21—Cherokee county, annual soil conservation meeting, Columbus, C.C.C. H.S., 7:30 p. m.

January 22—Osborne county, welding school, Osborne. Commercial representatives are co-operating with Extension engineers in putting on this school.

January 22—Cherokee county, farm management, with Marvin Clark, Columbus, 4-H Building, 1 p. m.

January 22—Wilson county, winter school with E. A. Cleavinger and Ray Hoss.

January 22—Pottawatomie county, poultry school, Onaga.

January 22—Chautauqua county, winter farm machinery school, with Walter Selby, KSC specialist, Sedan.

January 23—Miami gardening school, Presbyterian church basement, Paola.

January 23—Leavenworth county, marketing meeting, with KSC specialists, Tonganoxie.

January 23—Shawnee county poultry school, with M. A. Seaton, KSC specialist.

January 23—Miami county horticulture meeting, Osawatomie.

January 23—Bourbon county, 4-H community and project leaders training school, for adult leaders, Ft. Scott, court house, 10 a. m. thru 3:30 p. m., with Mary Elsie Border and Roger Regnier, state 4-H club leaders.

January 23—Bourbon county, 4-H officers and junior leaders training meeting with Mary Elsie Border and Roger Regnier, state 4-H club leaders, conducting the school, Ft. Scott, court house, 8 p. m.

January 23-24—Cherokee county, Farm and Home meeting, Coffeyville.

January 23-25—Riley county, kernel analysis conference, Manhattan.

January 24—Cheyenne county, windbreak and landscaping school, with KSC farm forestry and landscape architecture Extension specialists assisting, St. Francis courthouse.

January 24—Bourbon county, annual school for agronomy, livestock and market with E. A. Cleavinger, Ray Hoss and W. Moyer, KSC Extension specialists, Ft. Scott, 10 a. m. to 3 p. m.

January 25—Wilson county, 4-H leadership school with Roger Regnier and Mary Border.

January 25—Shawnee county, dairy school with KSC dairy Extension specialist.

January 25-26—Miami county Home Demonstration unit meeting, lesson on home management, Paola.

January 26—Thomas county, landscape school with KSC specialists, Charles Parks and Collins, Colby.

January 27-29—Johnson county, home management leader training meetings, with G. Myers, KSC specialist, Olathe.

January 28—Mitchell county 4-H council meeting, Beloit.

January 28—Doniphan county annual art breeding association, Troy.

January 28—Miami county dairy school, Olathe high school.

January 28—Seward county, soil conservation district meeting and election, Dr. Weber, KSC, speaker.

January 28—Miami county-wide 4-H meeting, Paola.

January 28—Kingman county, third year den and poultry school.

January 28—Miami county dairy meeting, Olathe.

January 28—Cherokee county, monthly council meeting, Columbus, 4-H Building, 8 p. m.

January 28-30—Riley county, conference co-operative directors and managers, Manhattan.

January 29—Mitchell county winter bee crops school.

January 29—Brown county artificial breeding annual Brown county meeting, watha, auditorium basement, 8 p. m.

January 29—Mitchell county, meeting with E. Willoughby, Bass Powell and Ray Hoss, meeting.



# CHICK RAISERS!

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NOTICE: This certificate is good only for redemption as herein provided and has no cash value. Certificate is void in any state or place where redemption is prohibited or where tax must be paid.

Certificates must be redeemed by: July 1, 1952

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Now Will Help You Start  
Your Chicks This  
Spring!*

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With every bag of GOOCH'S BEST Laying Feed, Dairy Feed, or Hog and Pig Feed you buy between now and March 31, 1952, you receive a certificate good for 1 lb. of GOOCH'S BEST Chick Starter.

This is the plan. You earn while you feed. It's as easy as that. Simply GOOCH your laying birds, your dairy cattle, and your hogs on GOOCH'S BEST Feeder-Proved Feeds. With every sack of GOOCH'S BEST, you receive one of the certificates shown above. Save them—they're good as gold! Then, when you're ready to start your chicks, take all the "Appreciation Certificates" you have accumulated to your GOOCH dealer. He will give you 1 lb. of GOOCH'S BEST Starting Feed for every certificate you turn in. Easy, isn't it?

## Figure Now How Many "Appreciation Certificates" You Will Have

Take a pencil and figure it out for yourself. How many hogs do you have? How many chickens? How many dairy cows? You want them to do more for you in eggs, milk and meat. So make certain they get the feed that is "feeder-proved" for results. In addition to boosting production, the GOOCH'S BEST you buy in the next few weeks can earn you enough starting feed to take a good share of your chicks

to 4 weeks at **NO FEED COST!** By planning well in advance, you can be more certain of chick success this spring—and GOOCH certificates help you save on feed cost.

## This Is Why GOOCH Makes You This Offer:

Yes, many thousands of feeders have feeder-proved GOOCH'S BEST Feeds on their own farms—they have told us of their confidence in GOOCH'S BEST as a nutritionally sound feed. GOOCH appreciates such loyalty and confidence. This is why GOOCH wants to help you get ready for what we believe will be a more successful poultry season than any you have ever experienced!

Think it through. You want chickens this spring so there'll be egg money next fall. You want your chickens to do well. You want them to grow fast so that you can get them into the laying house early. That means you've got to feed a good feed. GOOCH'S BEST is a good feed. It's *feeder proved*. In fact, we believe you can't buy a better feed than GOOCH'S BEST! So start now. Only GOOCH makes this offer. And the sooner you start saving GOOCH "Appreciation Certificates," the sooner you start saving on the feed you will need for your spring chicks.

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# Kansas Farmer

## News and Comment

### Say What You Think?

**P**RESIDENT TRUMAN has set up a new Missouri Basin Survey Commission. Its job is to make a new study of land and water resources of the Missouri river area. Then make recommendations for better protection, development and use of those resources. The Missouri basin includes all or parts of Montana, Wyoming, North Dakota, South Dakota, Minnesota, Colorado, Nebraska, Kansas, Missouri, and "such closely related areas as may be desirable."

It would seem more than enough surveys have already been made—at mounting expense to you as taxpayers. Undoubtedly the several Government agencies concerned all have made surveys. But they apparently can't get together on their recommendations. Whether you are for big dams or little dams or no dams, you will agree duplication of effort should be eliminated, Government agencies should be co-ordinated instead of being competitors, unnecessary Government spending should be stopped! A watchful eye can see ways to do it.

You may feel this new Government commission is wasteful duplication, or you may believe it a good thing. You may not like what this new commission "finds" and suggests—a "Missouri Valley Authority," perhaps? But here is a big point not to be overlooked. The dozen or more flood control groups in Kansas raised their voices so positively that official Washington stopped and listened. If official Washington will stop and listen on flood control, it also will stop and listen when Kansas farm people express themselves in no uncertain terms about other things going on in Washington.

Be sure to make your thoughts known thru your Congressmen and thru your farm organizations. That is your right. But it could be lost thru lack of use. And if ever you yield your right to have your say on any question of importance, the kind of U. S. you know will be finished.

This delay of perhaps a year while another survey is made is important, because time lost means protection lost. However, whatever the plan, it now is better understood that it will take years, not months, to put it thru to completion. Perhaps this delay will mean a better program, with more careful attention to what will be best for Kansas farms.

### How Job Is Done

**D**EMAND for more food to satisfy our growing population, and help feed our friends overseas, must be filled by land now under cultivation, the Bureau of Agricultural Economics tells us. Here is how Kansas farmers have done it in the past, and how you will do it this year.

Official figures show use of fertilizer in Kansas has been increasing sharply year after year. During 1951 you used 200,000 tons. About 14 per cent of our total wheat acreage and 17 per cent of our corn acreage received at least one application last year. Some increased use is anticipated in 1952, with manufacturers doing their level best to meet your need under difficult conditions.

Supplies of insecticides and chemicals are expected to be ample for better pest and weed control in 1952 than in any past year. Wide use has been made of these new farm "tools" in Kansas.

Wheat yield can be better in 1952 than in years past because most of the acreage is seeded to newer improved, higher-yielding varieties. Last year, 85 per cent of our corn acreage was planted to hybrid seed, and probably more will be this year.

Numbers of tractors and combines, as well as other farm machinery, have been increasing steadily in recent years. We now have 156,000 tractors and 71,000 combines and more will be added this year. Not as many as farmers need, because of defense preparation. One way to get as much machinery as possible is to make your needs known to your dealer, who in turn will tell his manufacturer, who then can show officials down at Washington you mean business about machinery you need to produce more food for the U. S. and Europe.

One of the handiest helpers on our farms is electricity. This has increased rapidly until now about 80 per cent of our Kansas farms have central station electric service.

All of these factors, plus more "know-how" will make every acre do more this year.

### No Perfect Man

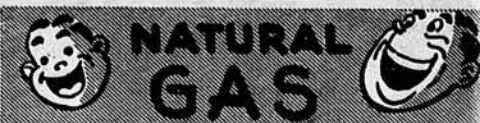
**S**O THIS is Leap Year. Webster's dictionary reports Leap Year is a year of 366 days; every fourth year, in which any fixed date after February "leaps" over a day and falls on the next week day but one to that on which it fell the year before; a year in which February has 29 days. Years exactly divisible by 4, as 1920, are Leap Years except the last years of the centuries, as 1900, which are Leap Years only if exactly divisible by 400.

It also is a year in which single young ladies are supposed to declare open season on eligible young men with marriage as the goal. Well, "faint heart never won fair male." Don't let census figures bother you. They show there are only 96½ men to every 100 women over voting age. Whoever gets that one half man might be disappointed. But if you have your man spotted don't hesitate about popping the question—he will probably "leap" at the chance. Only sage advice this editor can offer is don't expect to find the perfect man. He just doesn't exist—as you will find out after you marry him. Daily living will reveal imperfections but life will be fuller because of them.

### Powerful Penny

**O**NE thrifty soul was reported to have stocked up with a good supply of 1-cent post cards before the 2-cent rate went into effect January 1, by order of Congress. Of course, they can be used by putting an additional 1-cent stamp on each one.

The Government is using this method of making 2 cents grow where only one grew before.



"Is there any money in your oil well?"  
"Yes, indeed! All of mine, all of my wife's and \$10,000 I borrowed."

Dentist: "Little girl, what kind of filling do you want in your tooth?"  
Little Girl: "Chocolate or strawberry, please sir."

"How is business?" a customer asked the tool sharpener.

"Wonderful," said the T. S. "I never saw things so dull in my life."

There are two good times to fish. Before you get there and after you leave.

For Leap Year: "Whenever she starts stroking your hair, Son, she is after your scalp."

There are perhaps 40 million laws—but no improvement on the Ten Commandments.

fore. Sort of reversing the old thrift idea making 2 blades of grass grow where only one grew before. In the latter, the extra blade of grass had a chance of making you some profit. In the postal increase you are simply out the extra penny.

Wouldn't it be heartening if the Government would make every effort to spend only one penny where two have been spent before!

The penny post card was authorized by Congress in 1872, issued in 1873. Only time until 1952 stamped card didn't sell for a penny was during World War I, November 3, 1917, July 1, 1919. In that time the extra penny is reported to have put 115½ million extra dollars in the U. S. Treasury. So you see the extra penny isn't a small business by any means.

We still insist the rule will work both ways. A penny trimmed from each dollar of the billions spent by Government each year would be small business either.

### You Are Making Friends

**K**ANSAS people, despite problems they face, look into their hearts and find compassion. Gifts amounting to \$30,000 have been reported to the Kansas CROP Committee for the Christian Rural Overseas Program, with more contributions still to report. L. C. Williams, dean and director of Kansas State College Extension Service, is state chairman.

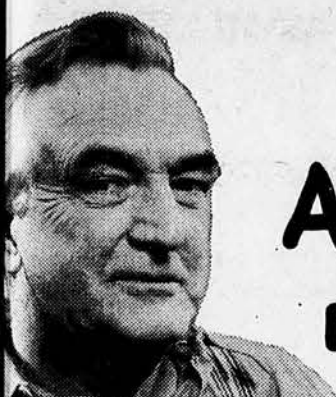
So far, Hodgeman county has raised the largest amount reported, grain and money totaling more than \$6,000. Two cars of milo will be shipped from Jetmore and Hanston. Next order come Rawlins, \$2,800; Barton, \$1,800; Ellsworth, \$1,500; Ellis, McPherson and Pawnee, \$1,400; Osborne and Nemaha, \$1,200; and Comanche, Riley, Kiowa and Stafford counties each \$900.

All donations to CROP are shipped as food to missionaries and pastors for relief distribution overseas. Food is divided according to wishes of givers among 3 religious bodies sponsoring CROP—Catholic Rural Life, Church World Service, and Lutheran World Relief. Workers in these groups give careful consideration as to the needs of the people in various countries.

Since its formation in 1947, CROP has shipped 5,400 railroad carloads of food for distribution in 32 countries. National goal this year is at least 1,400 carloads. Did you realize CROP began its beginning in Kansas, and Kansas each year has been one of the top 5 states in dollar value of gifts?

CROP is making friends for U.S. around the world thru the generosity of Kansas farm people.





# "FARMHAND... America's most complete line of farm materials-handling implements!"

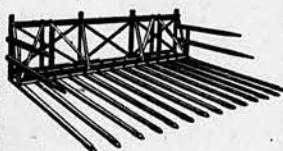


**FARMHAND LOADERS** fit every standard tractor. Features include "Wrist-action", "One-Hand Control", full width attachments, automatic leveling. Heavy Duty model lifts 3,000 pounds—stacks 27 feet with push-off.

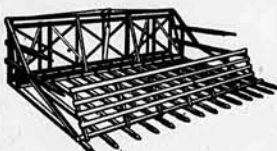


**FARMHAND "POWER-BOX"** Rugged, big capacity handles up to 6 tons of any loose or bulk material. Roller chain conveyor and worm gear operates from P.T.O.—unloads smoothly, automatically. Mounts on wagon, truck or trailer.

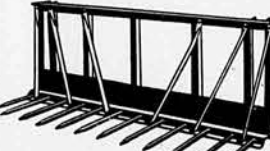
## LOADER ATTACHMENTS



**HAY BASKET.** Holds up to ½ ton. For sweeping and stacking, handling bales—other jobs.



**PUSH-OFF.** For tighter, better shaped stacks—adds another six feet to height of stack.



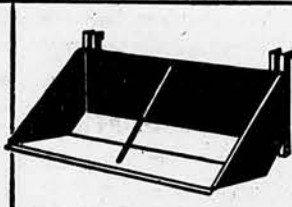
**MANURE FORK.** Fast action—up to 2,000 pounds at a bite. Clears path full width of tractor.



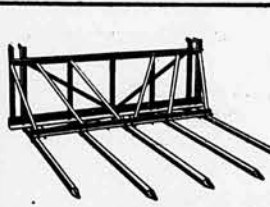
**GRAVEL PLATE.** Fits quickly onto Manure Fork for cleaning up any loose material.



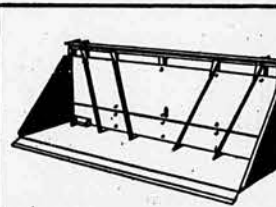
**GRAPPLE FORK.** For feeding. Clutches ½-ton loads with perfect control, breaks winter stacks.



**ALL-PURPOSE SCOOP** For grain, snow, silage and pulp—any bulk load. Grain tight.

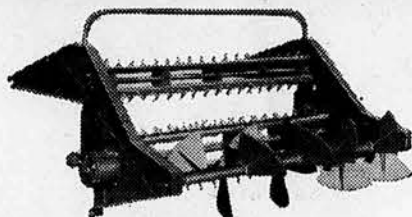


**FORAGE FORK.** Rugged steel tines make feeding easy—handle anything from logs to straw.



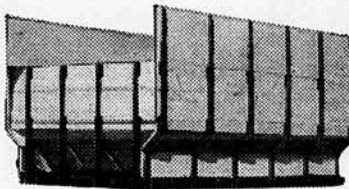
**DETACHABLE SCOOP** Economical attachment converts manure fork for bulk handling.

## "POWER-BOX" ATTACHMENTS

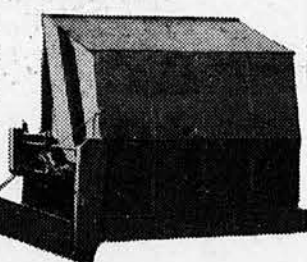


**MANURE SPREADER.** Does the work of 4 ordinary spreaders. Gives even, distribution over 9 to 12-ft. swath. Trouble-free action.

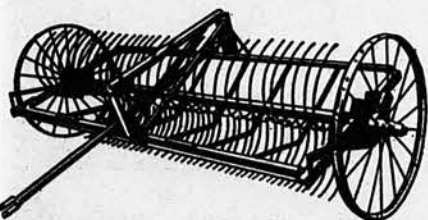
**FORAGE UNIT.** Huge capacity (up to 6 tons). Hauls forage, ear corn, chopped hay, any farm material—unloads automatically.



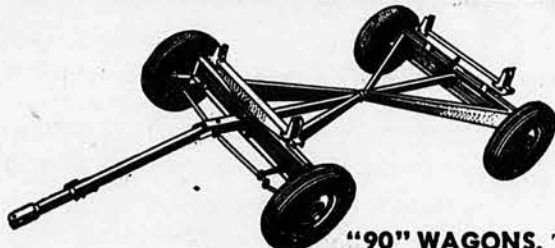
**GREEN FEEDER...** Specially designed for handling green feeds. 3 and 4-beater models available at Pomona, California. Operation similar to Mixer-Feeder.



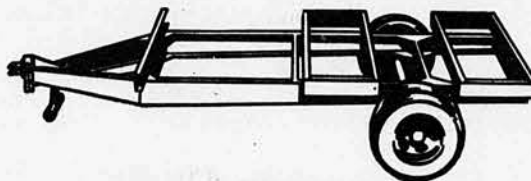
**MIXER-FEEDER...** Automatically mixes grain, roughage, other feeds and delivers mixture into bunks as you drive along. Feeds up to 145 bushels per min.



**HIGH SPEED DUMP RAKE.** New design rakes up to 8 m.p.h. "Snap-roll" action makes neat windrows automatically. No tangling, no missed hay.



**"90" WAGONS.** Take 90° turns. Two models 14,000 and 8,000-pound load-tested at tractor speeds. "Quick-hitch" tongue.



**HEAVY DUTY TRAILER.** Dual wheels give high flotation on soggy ground. 14,000-pound load-tested at tractor speeds.

# Farmhand

**FIRST IN FARM  
MATERIALS-HANDLING**

## SEND NOW FOR FREE BOOKLETS!

Dept. 313 FARMHAND Company, Hopkins, Minnesota

### CHECK BOXES:

- ☐ Farmhand Loader and Attachments ☐ Farmhand "90" Wagon & Trailer  
☐ Farmhand Dump Rake ☐ Farmhand "Power-Box" and Attachments

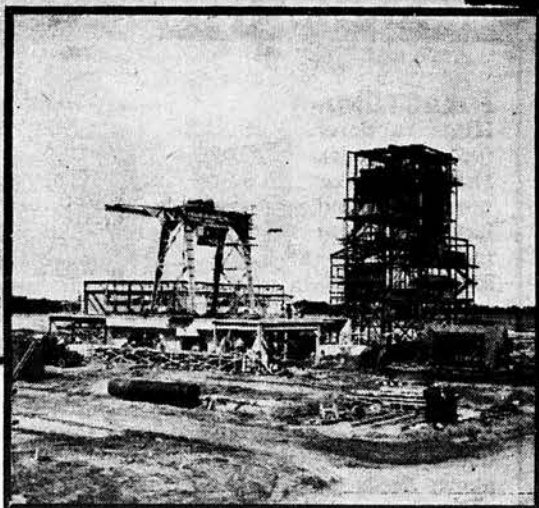
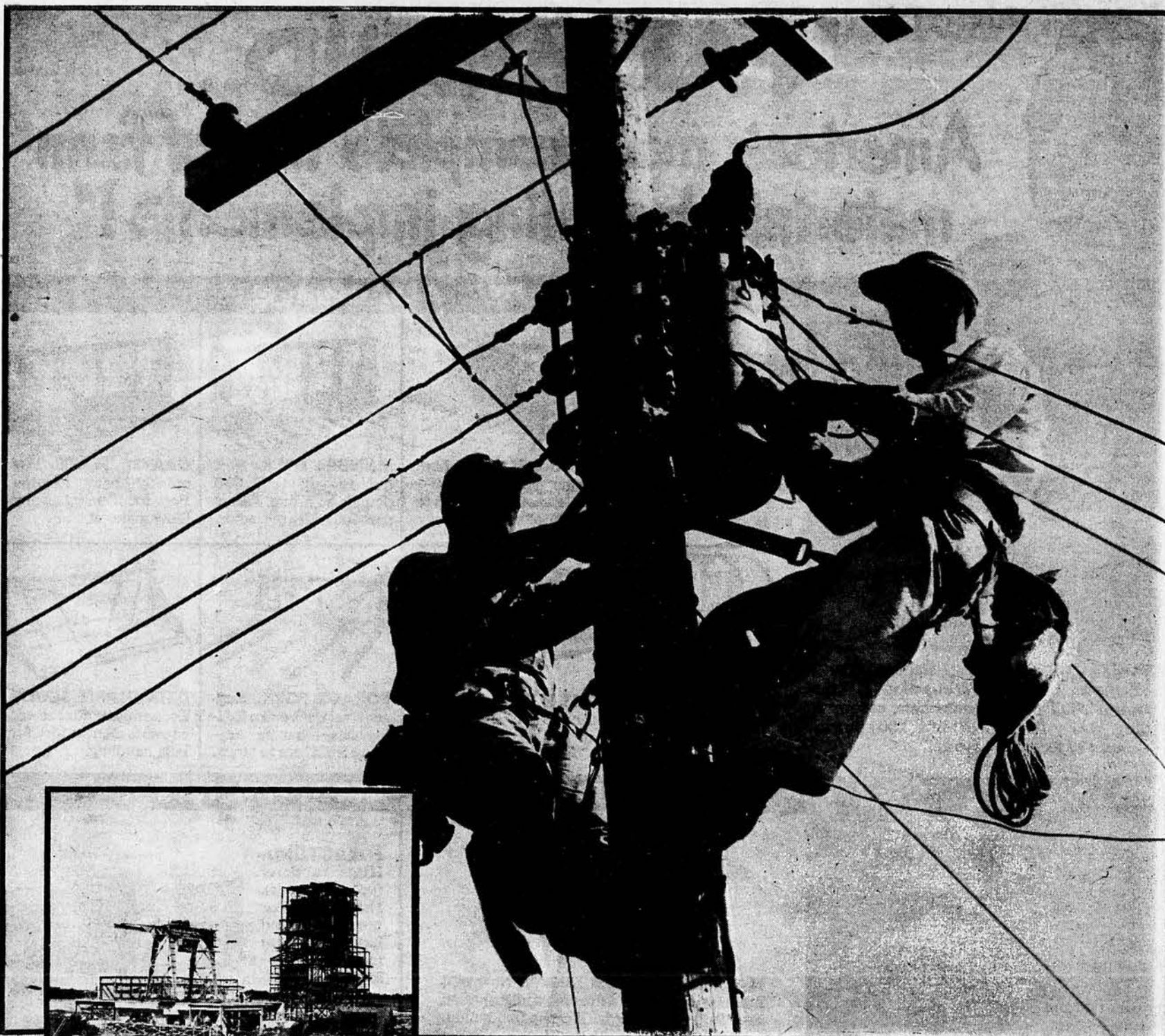
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ADDRESS.....

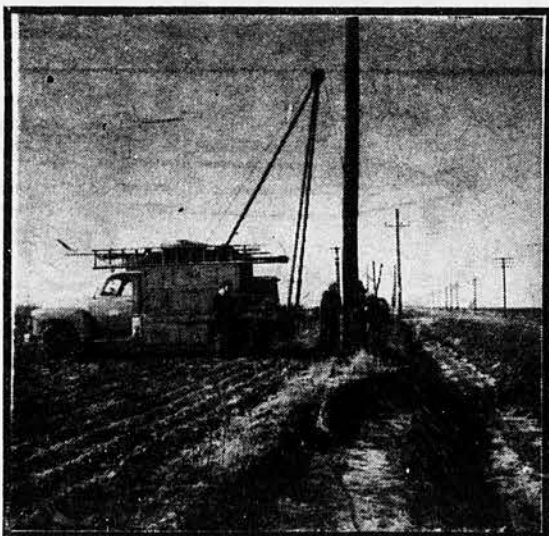
TOWN.....STATE.....

A DIVISION OF SUPERIOR SEPARATOR COMPANY





This was a familiar scene throughout Kansas during 1951 as electric companies stepped up construction of new electric generating facilities to meet the increasing demands for electric power.



Today more than 58,000 miles of electric power lines criss-cross this vast Midwestern state to bring electric service to more than 100,000 farm families. At the close of 1951 farm electrification was almost complete in Kansas.

## 25 YEARS OF RURAL PROGRESS

The past year marked another milestone in the 25-year story of electrical progress in Kansas. At the beginning of the last quarter-century only a mere handful of farm homes had received electric service. But today electricity on a Kansas farm is commonplace.

More than 100,000 Kansas farm families now have electricity and, according to the U. S. Department of Agriculture, Kansas ranks above the national average in rural electrification. This is a story of progress—a story which Kansas electric light and power companies listed below are proud to have played an important part.

The extension of electric power lines to the farm means the average family now enjoys electric refrigeration, elec-

tric cooking, automatic water pumping and electric water heating, home lighting, radio entertainment and, yes, even television is reaching into many of our rural communities. Outside the home too, electric power for machinery, tools and equipment has helped to increase farm production and save countless hours of work.

More benefits have been brought to the farm in the last 25 years than in all the centuries before—in a very short span of time in relation to the centuries men and women have tilled the soil. Electric service has helped to strengthen the farm as the foundation of American life and made farming more comfortable, convenient and profitable.

Your local power company representatives are mighty important people for you to know. They will be glad to advise you on numberless electric problems that come up and show you how to save money on new installations. Your electric dealer too is the man to consult on new equipment and appliances.



## 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



# Now That You Have Electricity

ELECTRIC industry reports consumption of kilowatts by rural customers in 1951 was up one third over 1950. All suppliers agree the more electricity used the more efficient it is.

It does not seem necessary to worry about the supply of most electric appliances, altho output generally is reduced. Many metals, important to manufacture of electrical equipment, have been diverted to the armed forces and defense program. Nevertheless, it is likely you can have your pick of most items for awhile, at least.

An idea for cold weather protection of your automotive equipment, to prevent frozen water pumps or help with other heating problems, incorporates an infrared heat bulb and a thermostat. A clamp arrangement permits the device to be located in any desired position so warming rays may be directed at the heart of the freezing problem.

More and more uses of banks of heat lamps are being brought out. A battery of 4 has been used, mounted on both manufactured and homemade installations, to provide heat from above and thus take the chill from a milkhouse or workshop. White lamps above a workbench give light as well as heat.

One heat application for electricity comes in glass panels which contain a heating element. The panel is encased in a metal frame and can be installed in wall recess for primary or supplementary heat. Such a method does not use up room oxygen in providing heat, or does it bake out moisture in the room. Each panel is thermostatically controlled and is safe to touch as danger of shock or fire is removed.

An electric mattress pad has caught attention. You might well imagine the luxury of crawling into a pre-warmed bed and sleeping under fewer covers. Models are made for both twin and double-bed sizes.

We read recently of a package item twin night lights that fit any standard outlet. One light gives a blue illumination that will not interfere with sleep; the other may be used in hall or bathroom. Each has a built-in switch and uses a 7-watt bulb.

At least one third of the nation's families now have television receivers. A year ago that figure was one fifth. S. citizens now look at more than 1/2 million TV sets. Locally, only

small sections of the state can receive telecasts, but the time is not too far distant when booster stations may be set up to bring video to every Kansas point.

The problem of iron cords which twist into exasperating curlicues, or become frayed near the iron by constant friction has an answer. It is a spring arrangement thru which the iron cord passes. A bracket which clamps near one end of the ironing board holds one end of the spring, the other end is fastened to the iron and the cord is played out or withdrawn as the iron is moved.

For those who insist on fresh coffee, an electric grinder permits the family supply to be purchased in bean form and sealed in the grinder bowl. A flip of the switch will grind just the amount of coffee needed for the morning cup, and the rich aroma will help get the sleepy ones awake.

A new kitchen clock serves also as an automatic refrigerator defroster. It can be set to shut off the refrigerator once each day at any desired time, and will turn it on again after the defrosting period.

There are electric ovenettes on the market of about one-pie size that offers a handy supplement when the range oven is in use. Great for light lunch and for warming up leftovers.

Word from the automatic washer industry says hot water is the most important factor in satisfactory operation of a washer. It means water must be hot and the supply must be adequate. Therefore, it seems reasonable to suggest a load or two per day would be better than a single washday for the week, unless your electric hot-water heater is of extraordinary size.

If you have ever thought why these new light bulbs seem to give more light, one explanation is that a new inside coating spreads the light over the entire surface of the glass. The coating, too, is more efficient in transmitting the rays.

The Kansas Power and Light Company has made an interesting analysis of the cost of taking electric service to its customers. It is indicative of what must be done before a flow of juice can be started. K.P.L. estimates it has \$560 invested in electric plant and property for each customer, and its expansion program is only keeping pace with the greater demands.

## YOU CAN HAVE A "HIRED HAND" IN YOUR FARM KITCHEN WITH

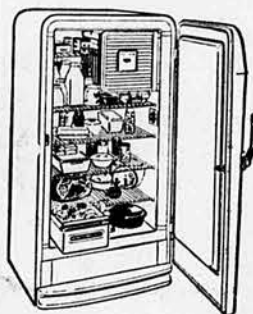
# Frigidaire

Yes, the Farm homemaker can have a full-time housemaid for pennies per day when she makes maximum use of Frigidaire's economical, dependable home appliances.

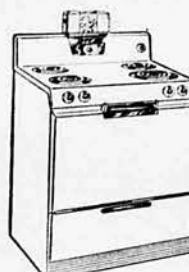
The Frigidaire refrigerator, electric range and home freezer (representative models shown below) teamed up with the Frigidaire Automatic Washer, dryer and ironer and the electric water heater and cabinet sinks

—all these combine to give the Farm home the freedom and convenience of city dwelling, yet keep all of the good living that characterizes life on the farm.

Why not plan to make this a Frigidaire New Year—with Frigidaire appliances that will lighten work, save money and add comfort and convenience the year 'round?



This 8.2 cu. ft. refrigerator is roomy and priced popularly at only \$244.75.



The 30-inch automatic electric range with the largest home oven ever built is ideal for the farm home and priced at only \$222.75.



Here's the 9 cu. ft. Frigidaire Food Freezer (also available in 12 cu. ft. and 18 cu. ft.) which can soon pay for itself in economy. Only \$394.75.

## SEE FRIGIDAIRE APPLIANCES AT ANY OF THESE QUALITY DEALERS

- |  |  |   |   |
|--|--|---|---|
| ABILENE<br>Shockey & Landes              | EL DORADO<br>Home Appliances, Inc.         | LAKIN<br>Hart & Co.                               | PHILLIPSBURG<br>Newell's Appl. Store                        |
| ALMA<br>Hasenbank & LaMar                | ELKHART<br>Ellis Motor Service             | LARNED<br>A. A. Doerr Merc. Co.                   | PITTSBURG<br>Rodkey's                                       |
| ALTAMONT<br>Holmes Hdw. Co.              | ELLIS<br>O'Loughlin Motor Co.              | LEBANON<br>Lebanon Electric                       | PLAINVILLE<br>Mosher Bros.                                  |
| ANTHONY<br>Wood Music Co.                | ELLSWORTH<br>Mills & Glidden Furn.         | LEHIGH<br>Burkholder Lbr. Co.                     | PRAIRIE VIEW<br>Prinsen Bros. Hdw.                          |
| ARGONIA<br>Horton Furniture Co.          | EMPORIA<br>Little-Stephens Furn. Co.       | LENORA<br>Eldridge Electrical Co.                 | PRATT<br>Link Electric                                      |
| ARKANSAS CITY<br>Wright-Burton Hdw.      | ERIE<br>Rogers' Hdw. & Furn.               | LEON<br>Losh Motor Co.                            | PRETTY PRAIRIE<br>General Appliance Co.                     |
| ARLINGTON<br>Fay's Sundries & Appl.      | ESKRIDGE<br>Willard Sales & Serv.          | LEOTA<br>Western Hdw. & Sup.                      | QUINTER<br>Quinter Appl. Store                              |
| ARMA<br>Bosnio Hdw. & Appl.              | EUREKA<br>Burton's Furn. & Appl. Co.       | LIBERAL<br>Hettie Appl.                           | RILEY<br>Meyer Mercantile                                   |
| ASHLAND<br>Grimes Appliance Co.          | FALL RIVER<br>F. J. River                  | LINCOLN<br>B. G. Hall                             | ROSE HILL<br>Cox Grocery and Locker System                  |
| ATTICA<br>K. R. Anthony Furn.            | FLORENCE<br>Roberts Machinery Co.          | LINCOLNVILLE<br>Burkholder Lbr. Co.               | RUSSELL<br>Delnes Bros.                                     |
| AUGUSTA<br>Coleman Gas Serv. Co.         | FORT SCOTT<br>Darling & Maguire Sales Co.  | LINDSBURG<br>Billings Refrigeration & Elec. Appl. | ST. FRANCIS<br>Roelf's Electric                             |
| AXTELL<br>Roth's Lock. & Ap. Co.         | FRANKFORD<br>Lauer Electric Shop           | LITTLE RIVER<br>Hodgson Impl. & Hdw.              | ST. JOHN<br>A. P. Electric Service                          |
| BAXTER SPRINGS<br>Milo Chew Drug Co.     | FREDONIA<br>Hollis Hardware Co.            | LYONS<br>Schneider's Furn. Co.                    | ST. MARYS<br>Youngkamps Furn.                               |
| BELLE PLAINE<br>Foster Refrig. & Appl.   | GARDEN CITY<br>May's Furniture Co.         | MACKSVILLE<br>Breitenbach Appl.                   | SALINA<br>Goodhousekeepers Appl. Inc.                       |
| BELLEVILLE<br>Fitch & Barth, Inc.        | GIRARD<br>Crain Gas & Elec. Co.            | MADISON<br>Schottler's, Inc.                      | SALANTA<br>Decker's   |
| BELOIT<br>Hiserote & Weir Appl.          | GLASCO<br>R. W. Cramer Hdw.                | MANHATTAN<br>Kamp Furniture Co.                   | SCANDIA<br>Sanborn Lumber Co.                               |
| BENNINGTON<br>Powell Service             | GOODLAND<br>D. G. Electric Co.             | MANKATO<br>Beam Motor Co.                         | SCOTT CITY<br>Bryans, Inc.                                  |
| BENTON<br>Moots Bros.                    | GREAT BEND<br>Mathers-Jaeger Appl. Company | MARYSVILLE<br>Fred Burris                         | SEDA<br>Ding Bell Chevrolet                                 |
| BLUE RAPIDS<br>Brake's Furn. Store       | GREENLEAF<br>Hogan & Sons                  | MEPHERSON<br>Green's Appl. Store                  | SHARON SPRINGS<br>C. E. Koons & Son                         |
| BUCKLIN<br>Day Hardware Co.              | GREENSBURG<br>Culp Home & Auto             | MEADE<br>C. F. Worman Elec.                       | SMITH CENTER<br>Simmons-Oliff                               |
| BUHLER<br>Kim, Elliott & Gard            | HAILESTAD<br>Mantele's Dept. Store         | MEDICINE LODGE<br>Dlekey Appl. Co.                | SPEARVILLE<br>Heskamp Chev. Co.                             |
| BURDEN<br>Lewis Chevrolet Co.            | HANOVER<br>Leutloff Appl. & Elec. Co.      | MENTOR<br>Johnson's Hardware and Elevator         | STAFFORD<br>Peacock & Solee                                 |
| BURNS<br>Lyons Supply Co.                | HARPER<br>Jess Hamilton                    | MILTONVALE<br>Phelps Furn. Store                  | STOCKTON<br>Quenzer Appl. Co.                               |
| BUSHTON<br>Siemer's Service              | HAYS<br>Hays Music Co.                     | MINNEAPOLIS<br>Hornor Hardware                    | SUBLETTE<br>Belt Sales Co.                                  |
| CALDWELL<br>Terwilliger Hardware         | HERINGTON<br>Fred Lee & Sons               | MLINE<br>Boyer Gift & Appl. Co.                   | SYLVAN GROVE<br>F. A. Gatewood & Sons                       |
| CANEY<br>Pendleton Chev. Co.             | HERNDON<br>J. G. Huffles & Son             | MORGANVILLE<br>Will F. Taddiken                   | SYRACUSE<br>Stewart Furniture                               |
| CARVER CITY<br>Riley-Rhodes Ap. Co.      | HILL CITY<br>Quenzer Appl. & Hdw.          | MOUNDRIE<br>Krehbiel Hdw. & Impl. Co., Inc.       | TIMKEN<br>Timken Lumber Co.                                 |
| CEDAR VALE<br>Williams Motor Co.         | HILLSBORO<br>John Hiebert                  | MOUNT HOPE<br>Johnsmeyer's                        | TRIBUNE<br>Western Hdw. & Motor Co.                         |
| CHANUTE<br>Naff & Bolze Hdw.             | HOISINGTON<br>Gelman Appl. Co.             | MULVANE<br>The Electric Store                     | TURON<br>Turon Electrical Sup.                              |
| CHAFFMAN<br>Sanborn Lumber Co.           | HOLYROOD<br>Westmacott Hdw. Co.            | NASHVILLE<br>Stewart Motor Co.                    | VALLEY CENTER<br>Central Supply                             |
| CHENEY<br>Cheney Farm Store              | HOPE<br>Wuthnow Furn. Co.                  | NAOMA<br>Pohman's Home Furn.                      | WAKEENEY<br>Clark Supply Co.                                |
| CHEERYVALE<br>Clark's Maytag Co.         | HOWARD<br>Virgil Munsinger                 | NEODESHA<br>Kimball Electric Shop                 | WAKEFIELD<br>Sanborn Lbr. Co., Inc.                         |
| CHEYOPA<br>Blankenship Hardware          | HUTCHINSON<br>Graber Furniture Co.         | NESS CITY<br>Schroyer's, Inc.                     | WAMAGO<br>J. E. Stewart & Sons                              |
| CLAY CENTER<br>Marshall's, Inc.          | INDEPENDENCE<br>Self-Orr, Inc.             | NEWTON<br>The Appliance Mart                      | WASHINGTON<br>Anderson Hardware                             |
| CLIFTON<br>Beccotte-Esslinger            | IOA<br>Schell's Appl. Store                | NORTON<br>Horney's Appl.                          | WATERVILLE<br>Hensley Hdw. & Furn.                          |
| CLYDE<br>A. Selfert Jewelry              | JETMORE<br>Lindas Hardware, Inc.           | NORWICH<br>H. S. Eshnaur & Sons                   | WELLINGTON<br>Nichols Electric Co.                          |
| COFFEYVILLE<br>Southwestern Sales Co.    | JEWELL<br>Jewell Lumber Co.                | OAKLEY<br>Clark & Sons, Inc.                      | WESTMORLAND<br>Smith Cash Hdw.                              |
| COLBY<br>Mackay Appliance Co.            | JUNCTION CITY<br>Waters Appl. Store        | OBERLIN<br>Anderson & Son Hdw. & Impl.            | WICHITA<br>The Appl. Center, Inc.                           |
| COLDWATER<br>Rural Gas & Elec. Co., Inc. | KENSINGTON<br>Simmons-Oliff                | ONAGA<br>Tessendorf Furn. Co.                     | 135 North Broadway<br>1014 West Douglas<br>121 East 21st    |
| CONCORDIA<br>Culbertson Elec. Co.        | KINGMAN<br>Kingman Radio Shop              | OSWEGO<br>Williamson Stores, Inc.                 | Geo. Innes Co.<br>Vowel Furniture Co.<br>Whitcomb Appl. Co. |
| COTTONWOOD FALLS<br>Hamm Electric Co.    | KINSLEY<br>Meyers Appliance Co.            | OXFORD<br>Abildgaard Hdw. Co.                     | WILMORE<br>Bowersock Mills & Power Co.                      |
| COUNCIL GROVE<br>Rumsey & White          | KIOWA<br>Fisher-Wood Hdw.                  | PARSONS<br>Ellis Radio & Appl. Co.                | WILSON<br>Weber Hardware                                    |
| DIGHTON<br>Mull Electric Service         | LACROSSE<br>Pittman & Pittman              | PATRIDGE<br>Kearns Radio & Elec.                  | WINFIELD<br>Winfield Electric Co.                           |
| DODGE CITY<br>Newkirk's                  |  | PEABODY<br>Baker Furn. Store                      | YATES CENTER<br>J. C. Schnell                               |
| EDNA<br>Stine Hardware                   |  |   |   |

## GRANDMA . . . . By Charles Kuhn





**Model 70**

Handy kitchen size freezer. Capacity 7 cu. ft. Freezes and stores up to 245 lbs. of food. **\$287<sup>95</sup>**

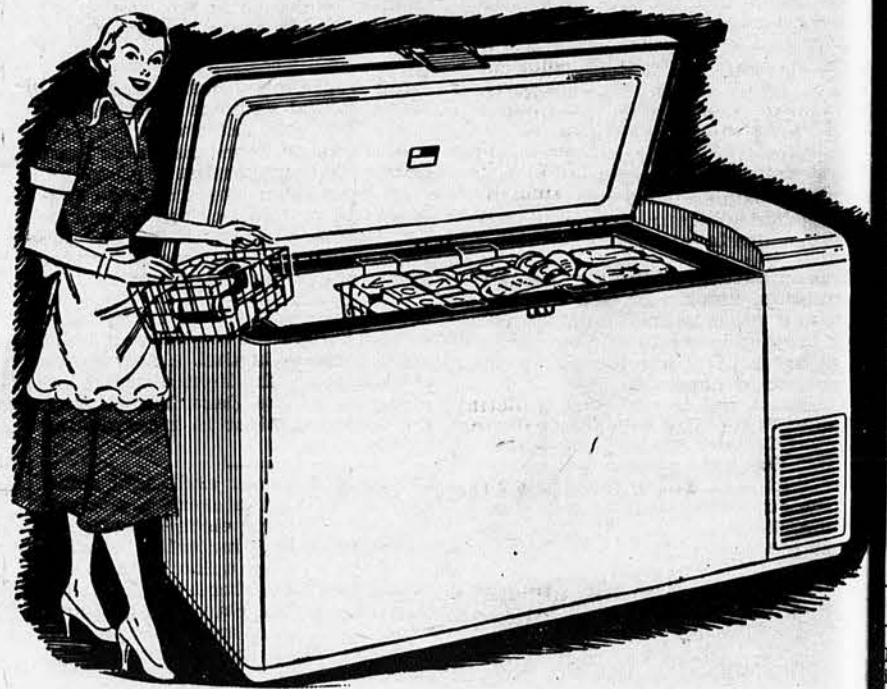


# 3 GREAT MODELS, 3 GREAT SAVERS! INTERNATIONAL HARVESTER

## World's Leading Freezers

**Model 111**

Roomy family size freezer. Over 11 cu. ft. capacity. Freezes and stores 389 lbs. of food. **\$446<sup>95</sup>**

**Model 158**

Huge giant size freezer. Nearly 16 cu. ft. capacity. Freezes and stores 553 lbs. of food. **\$539<sup>95</sup>**

### SEE THEM AT YOUR NEARBY NEIGHBORHOOD DEALER

ABILENE Shockey & Landes Hdwe. & Furn. Co.	CHANUTE Bray and Johns Equip.	ERIE Roy Ewen	HILLSBORO Farmers Equip. Co.	LEAVENWORTH Lewis Trk. & Tr. Co.	MEADE Brannan's	PARSONS Alderman's	SHARON SPRINGS Ostmeyer Impl. Co.
ALDEN Taylor Lbr. Co., Inc.	CHASE C. L. Tyrrell	FALUN Dauer Brothers	HOISINGTON Holsington Auto & Implement Co.	LENORA Lenora Implement Co.	MORAN Moran Tr. & Impl. Co.	PEABODY O. H. Haas Impl. Co.	SMITH CENTER Atwood Impl. Co.
ALFA VISTA E. M. Swenson	CHENEY Dennett Equip. Co.	FORT SCOTT Fort Scott Trk. & Tr. Co.	HOLTON Symons Trk. & Tr. Co.	LEOTI Western Hardware & Supply Co.	MOUND CITY Mound City Trk. & Tr. Co.	PHILLIPSBURG Winchell's	SPEARVILLE K. H. C. Farm S.
ALTMONT Holmes Truck & Implement Co.	CLAFIN Wickert Garage Co.	FRANKFORT Esslinger Impl. Co.	HOLYWOOD Standard Implement & Construction Co.	LINCOLN T. A. Rudy & Sons	PITTSBURG Nairn Equip. Co.	PITTSBURG Nairn Equip. Co.	STERLING Sterling Impl. Co.
ARADIA Dunton Hdwe. Co.	CLAY CENTER Norquist's, Inc.	FREDONIA Fredonia Impl. Store	HORTON Horton Imp. Co.	LINCOLNVILLE Lewrenz Hardware & Implement Co.	PLAINVILLE Donovan Motor Co.	PLAINVILLE Donovan Motor Co.	ST. FRANCIS Ackerman's
ARGONIA Argonia Farm Equip.	CLINTON Casper & Hall	GARNETT Garnett Trk. & Tr. Co.	HOXIE H. W. Deane	LINDSBURG Lindsborg Equip. Co.	PRATT Banbury's	PRATT Banbury's	ST. MARYS Keating Motor & Implement Co.
ASHLAND Chambers Equip. Co.	CLYDE J. L. Sager	GIRARD Girard Equip. Co.	HUGOTON Smith Equipment Co.	LOGAN Lappin Equip. Co.	NESS CITY Durfee Implement Co.	NESS CITY Durfee Implement Co.	STOCKTON Ostmeyer's
ATCHISON Nietman Trk. & Tr.	COATS D. A. Lyman	GLASCO Zalc Brothers	HUTCHINSON Woodward's Impl. Co.	LONG ISLAND Schemper Impl. Co.	NEWTON Auto, Truck & Tractor, Inc.	QUINTER Kysar Implement Co.	STRONG CITY Beaver, Inc.
ATWOOD Jensen's	COLBY Knudson-McKenzie, Inc.	GOODYEAR Knudson Brothers, Inc.	INDEPENDENCE John Troutman, Inc.	LOUISBURG Louisburg Trk. & Tr. Co.	NORTON Clyde Goble Impl.	RADIUM Radium Farm Supply	SYLVAN GROVE Reinert Impl. Co.
BARNARD Blending Hdwe. Co.	COLUMBUS Farmer's Union	GREAT BEND Gibson, Titus, Stafford, Inc.	INMAN Inman Implement Co.	LUCAS C. A. Mettlen & Son	NORTONVILLE Weishaar Bros., Inc.	RANDOLPH Seldon Implement Co.	TOPEKA Craven Farm Equipment Co., Inc.
BELLEVIEW Recher Impl. Co.	COUNCIL GROVE Coolidge Impl. Co.	GREENLEAF Leiber Hardware & Implement Co.	IOLA Iola Trk. & Tr. Co.	LURAY Merl Markley	NORWAY Wright Implement Co.	REPUBLIC Sankay Implement Co.	TRIBUNE Western Hardware Motor Co.
BELOIT Moritz Impl. Co.	COURTLAND L. E. Garman & Son Implement Co.	GREENSBURG Greensburg Equip. Co.	JAMESTOWN Holgerson Impl. Co.	LYONS Taylor Implement Co.	OAKLEY C. D. Clark & Sons, Inc.	REXFORD Stepper Hardware & Implement Co.	TROY Doniphan County Equipment, Inc.
BENNINGTON Hoffman-Engle	CRESTLINE Farmer's Union Co-Op	GRINNELL Ostmeyer Hardware & Implement Co.	JETMORE Jetmore Equip., Inc.	MADISON Melvin Equip. Co.	OSAGE CITY Hewitt Equip. Co., Inc.	ROSSVILLE Rossville Farm Store, Inc.	WAKEFIELD The Auld Chevrolet Co., Inc.
BUCKLIN Schmidt Equipment	CUNNINGHAM Fee Hardware Co.	GYPSON Kuhn-Bowden	JEWELL CITY Helen Impl. Co.	MANKATO Waugh Motor & Implement Co.	OSBORNE Latham & Sons	SELDEN Selden Implement Co.	WILSON Dolechek Impl. Co.
BURLINGAME Wilkin Farm Equipment Co.	DELPHOS Zalc Brothers	HANOVER Hanover Impl. Co.	JUNCTION CITY Mohr Implement Co.	MARION Marion Equip. Co.	OSKALOOSA Oskaloosa Hardware & Implement, Inc.	SENECA Bower-Agnew Implement Co.	WOODBINE M. C. Engel Hard & Implement Co.
BURLINGTON Coolidge Imp. Co., Inc.	DIGHTON Church & Kerkhof,	HARTFORD Hartford Impl. Co.	KANSAS CITY Wyandotte Tractor & Impl. Co.	MARQUETTE Marquette Implement Co., Inc.	SEVERY A. L. Morton Impl. Co.		
BURTON Dudde Implement	DOUGLASS House Hardware	HAYS Hays Equip. Co., Inc.	KINCAID Kincaid Tractor & Implement Co.	MARYSVILLE McDaniel Hardware & Implement Co.			
CALDWELL Young's	EDNA Edna Farm Supply Co.	HERINGTON Lewrenz Hardware & Implement Co.	KINSLEY Shaffer & Son	MCPHERSON Miller-Kennedy Implement Co.			
CANTON Canton Equip. Co.	ELLIS Suiter Equip. Co.	HIAMATHA Trapp & Kill	KIOWA Clabough Equipment				
CAWKER CITY Cawker City Equip. Co.	ELKHART Fisher's, Inc.	HIGHLAND Hooper Imp. Co.	LA CROSSE Smith Impl. Co., Inc.				
CEDAR POINT Se-Inner & Inkston	EMPHORIA Coolidge Implement Co., Inc.	HILL CITY Pratt Implement Co.	LAWRENCE Kraft Trk. & Tr. Co.				
CEDARVALE Cable Impl. & Sup. Co.							



## Is Your Farm Hungry?

(Continued from Page 4)

foods, of course, are nitrogen, phosphorus and potash. Nitrogen gives dark green color to plants, promotes leaf, stem and fruit or seed growth, improves quality of leaf crops, produces rapid growth, increases protein content of food and feed crops, feeds soil micro-organisms during their decomposition of low-nitrogen organic materials.

Phosphorus stimulates early root formation and growth, gives rapid and vigorous start to plants, hastens maturity, stimulates blooming and aids in seed formation, gives winter hardiness to fall-seeded grains and hay crops.

Potash imparts increased vigor and disease resistance to plants, produces strong, stiff stalks (reducing lodging), increases plumpness of grain and seed, is essential to formation and transfer of starches, sugars and oils, imparts winter hardiness to legumes and other crops.

### These Also Are Necessary

Secondary plant foods consist of calcium, magnesium and sulfur. Calcium promotes early root formation and growth, improves general plant vigor and stiffness of straw, influences intake of other plant foods, neutralizes poisons produced in the plant, encourages grain and seed production, increases calcium content of food and feed crops.

Magnesium aids in maintaining dark green color of leaves, regulates uptake of other plant foods, acts as carrier of phosphoric acid in the plant, promotes formation of oils and fats, plays a part in the translocation of starch.

Sulfur gives increased root growth, helps maintain dark green color, promotes nodule formation on legumes, stimulates seed production, encourages more vigorous plant growth.

Minor plant foods, sometimes called "trace elements," says the bulletin, are boron, manganese, copper, zinc, iron and molybdenum. Altho needed only in small quantities, all are necessary for plant growth.

It is only natural that you will spend more money for fertilizers in good crop and price years than you do in poor crop or lower price years. When times are a little tough we all try to economize on expenses.

Actually, points out the bulletin: "Failure to fertilize adequately during

one season merely increases the need during the following season." So, if you fail to give your soil all the fertilizer it needs this year you may be cutting your current crop yields and increasing cost of feeding your soil next year.

If you want to get the most efficient use of fertilizer, having your soil tested and getting a good soil sample are very important. You shouldn't try to take a soil sample on your farm until you have talked to your county agent or some other person familiar with the proper method.

### Rules That Will Help

Then, to get the most efficient and profitable use of fertilizers, use these rules found in the bulletin "Our Land and Its Care":

1. Follow fertilizer recommendations of the Kansas Experiment Station.

2. Remember fertilizers are used to supplement natural plant food supplies of the soil, and plant food obtained from farm manure and crop residues.

3. Consider requirements of your rotation as a whole, as well as plant food needs of the particular crop.

4. Remember fertilizers do not take the place of lime, organic matter, good seed, proper cultivation or good crop rotation.

5. Regard good soil structure or tilth as essential in obtaining the most efficient results from fertilization.

6. Select a fertilizer analysis containing plant foods your soil will not adequately supply for crops you want to grow.

7. Be sure plant food elements in your fertilizer are in the right proportion to fit the needs of your soil and crop rotation.

8. Use adequate quantities of recommended fertilizers to obtain profitable yields of high-quality crops.

9. Apply fertilizer at the right time and use an approved method of application for best results with each crop.

10. Bear in mind that fertilizers can be used most efficiently when you know the strong points and weaknesses of your soils, and can choose the fertilizer grade that fits your needs.

Kansas now has 30 county soil testing laboratories in operation, in addition to a state laboratory at Kansas State College, Manhattan. Why don't you use your nearest soil testing laboratory service to help you with your soil problems?

## Give Lettuce a Chance

By WILLIAM G. AMSTEIN, Kansas State College

LETTUCE is not as widely utilized in home plantings thru the season as it might be with a little extra care. Most gardeners confine their interest in lettuce to non-heading types, since they can be grown with fair success until temperatures get out of hand early in summer. Heading type lettuce has been a disappointment to many home gardeners who planted it too late in spring. With early planting, head lettuce can be as successful as cabbage, broccoli or cauliflower.

There are 5 general types or varieties of lettuce: crisphead, butterhead, romaine or cos, leaf and stem. Areas in which these types are produced and the mature product of each class is somewhat different. However, they all can be grown with good results in this area.

Commercially, most area is devoted to crisphead. In recent years several outstanding varieties have been introduced in this group. This type is recognized by firmness of head and crisp texture. Nearly all commercial lettuce

grown in western states is crisphead. Variety names of this type are New York, Imperial and more recently Great Lakes, Premier, Pennlake and others including several strains of some of these. High-quality head lettuce can be grown locally, from plants or seed.

The butterhead type of lettuce is not as widely grown commercially as formerly, due to the greater competition and acreage of crisphead. Soft heads with inner leaves that feel buttery or oily best describe the butterhead type. Big Boston is a common variety.

The cos or romaine type has the upright habit of growth, elongated heads and stiff leaves. Dark Green and Paris White are 2 useful varieties. It is a little unusual to find this type lettuce grown in this country but in Europe it is used quite commonly. It is better adapted to home garden use than is appreciated. Leaves are sweet and of good quality. After growing it many report good family acceptance at the table even tho leaves appear coarse.

Most home gardeners are best acquainted with the leaf or bunching type of lettuce that is a loose type with non-head-forming leaves. It can be grown where and when the temperature ordinarily is too high for good results with other kinds of lettuce. Black-seeded Simpson, Grand Rapids and Sobolt are standard varieties in this group. Salad Bowl is a new one being introduced this year that many will know and enjoy.

The stem type lettuce has a much enlarged stem and produces no head. Leaves of this type do not remain of any quality except when young and tender. This type lettuce is grown mainly for its large, fleshy stems, which are peeled and eaten raw or cooked. The most common variety sold at present is Celtuce. It has been stressed by a few seed firms in recent years.

### Entertainment Helps

The following leaflets may help with your program or party entertainment. Kansas Farmer Entertainment Editor, Topeka, will be glad to fill your order promptly.

Games for Young and Old. Price 3c.

Golden and Silver Wedding Anniversaries. Price 3c.

A Surprise Shower for the Prospective Mother. Price 3c.

"You Can Make It" Party. 6 Suggestions. Price 3c.

Big Business, or the Doings of the Culture Club. Playlet. Price 10c.

# 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!

Look how that good grain—oats—has been modernized. It's Cheerios, made from oats in ready to eat form. So easy to serve. Just pour out heaping bowls of Cheerios...it's the only cereal shaped like little doughnuts...the only famous oat cereal that needs no cooking. Extra delicious, too, with a wonderful fresh toasted oat flavor. Get the large FAMILY SIZE. Contains 50% more Cheerios than the regular size package!



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REGULAR  
AND  
FAMILY  
SIZE

General Mills, Inc.





**NO SPRAYER BOOM**  
WITH THE  
**Hanson Brodjet**  
...it has revolutionized farm spraying...

**for THE MODERN FARMER..**

Write for free booklet showing details of the Hanson BRODJET principle of spray application.

Farmers with The HANSON BRODJET are using the last word in sprayers. The HANSON BRODJET sprays up to a 44 foot swath in small grain, row crops or pastures or a side swath for fence rows and roadsides. Removed from the support it will spray cattle, orchards or clean poultry houses, dairy barns and machinery. Simple, practical, non-clogging and low in price. The HANSON BRODJET can replace your present boom or can be purchased with high or low pressure power take-off pump kits.

\*Reg. U.S. Pat. Off.

**HANSON CHEMICAL & EQUIPMENT COMPANY**  
BELOIT, WISCONSIN

## Read the Ads in This Issue

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

## CONTINENTAL AIR LINES BLANKETS KANSAS



from **FARM** or **RANCH**  
to **MARKET** or **VACATION**  
in  $\frac{1}{5}$  the time or less!

Continental offers time-saving service in luxurious 300 m.p.h. Convair Liners or Douglas DC-3s.

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Direct Connections to Cities Everywhere

**CONTINENTAL AIR LINES**  
FLY AND SHIP *The Blue Skyway*

## Charities and Associates Share in Capper Estate

**\$250,000 Goes to Crippled Children's Foundation; Will Provides for Orderly Continuation of Capper Publications**

THE WILL of the late Arthur Capper, former United States Senator from Kansas for 30 years, and leading publisher of farm magazines including *Kansas Farmer*, was filed and offered for probate in the Probate Court of Shawnee county December 27, 1951. It was executed by him on March 19, 1941, in Washington, while he was a member of the United States Senate.

Witnesses to the will were Frank Carlson, of Concordia, Kan., now United States Senator from Kansas; Clifford R. Hope, of Garden City, Kan.; Thomas D. Winter, of Girard, Kan.; and W. P. Lambertson, of Fairview, Kan., all of whom were members of Congress at that time.

The petition for probate estimates the value of real estate owned by Senator Capper at \$50,000, and the value of his personal property at \$1,200,000.

The will reflects to a large extent the same concerns and interests in the welfare of others which Senator Capper manifested thruout his busy life.

### Same Management

In the first 6 pages of the will, Senator Capper provides for continuation of his business of publishing newspapers and periodicals, the operation of radio stations, and for perpetuation of Capper Publications, Inc., under management of the same group of business associates who for many years have operated the company while he was serving the people of Kansas in Washington as a member of the United States Senate.

Senator Capper apparently had 3 purposes in mind in preparation of his will:

First, providing for safe and orderly continuation of the business of Capper Publications, Inc., under management and direction of the same men who have operated it for years, and to provide for payment and adequate protection of all investors in his personal certificates and in company bonds.

Second, to recognize and reward efforts of his employees and assistance given him over the years by the group of men who co-operated in developing the properties owned and operated by Capper Publications, Inc., and

Third, to make a substantial bequest to charity and particularly to treatment and care of crippled children of Kansas, a cause which was very dear to his heart.

After providing for payment of all indebtedness, the will refers to the incorporation of his various business enterprises under the name of Capper Publications, Inc., and recites that he had legally transferred and conveyed to that company substantially all of his assets used in the operation of his business and in exchange therefore, that

company had issued to him and his order all its capital stock.

### Investors Protected

Mr. Capper then states in his will that the "primary charge" against his estate is the payment of certificates of indebtedness previously executed by him and representing investments by a large number of friends and subscribers to his papers, that he had entered into a plan and agreement with Capper Publications, Inc., whereby each and every certificate and bondholder was protected and would be paid in full, and that should any such indebtedness remain unpaid at the time of his death, the company would pay the same.

Mr. Capper named Henry S. Blake, as executor, to serve without bond.

### Employees Protected

Mr. Capper directs that his properties and the stock in the company be appraised by competent appraisers as soon as possible, and authorizes and directs his executor to sell such of his stock in Capper Publications, Inc., or other property as may be necessary, to discharge any indebtedness which he or his estate might owe, but in such sale, he provides that his business associates, the executives and employees of the company, should have first opportunity to buy his properties, saying:

"... If those faithful men and women, who have been associated with me in the building up of such publications and to whom a large part of the credit for their success is due, desire to purchase such stock or any portion thereof at the appraised value thereof, it is my wish that they should have the first opportunity to do so..."

The will then provides for specific bequests to relatives, and gives to 29 of his associates, and his sister, an aggregate of 24,700 shares of stock of Capper Publications, Inc., conditioned, however, that they be living at the time of his death and be in his active employ or the active employ of Capper Publications, Inc.

### List of Beneficiaries

Those to whom the Senator bequeathed shares of stock in Capper Publications, Inc., are as follows:

Henry S. Blake, 4,000 shares; Charles H. Sessions, 4,000; Marco Morrow, 2,000; Philip Zach, 2,000; W. A. Bailey, 1,000; Thomas A. McNeal, 1,000; 500 shares each to Marshall Crawford, Edith Capper Eustice, Legler Paxton, Clif Stratton, Ray Yarnell, Wm. H. Souders, Ethelyne E. Souders, Charles E. Sweet, Frank X. Gaughen, H. M. Breneisa, Julia McKee, L. H. Schenck, Edward C. Nash, Brook Haines, N. A. Crawford, Roy Vogel, Frances Wright.

(Continued on Page 17)

## Only Class in World



ONLY STUDENTS IN WORLD studying toward a degree in feed technology are these 8 young men. They are the total enrollment of students in that curriculum at Kansas State College, only college anywhere offering work leading to such a degree. In the first row, left to right, are Kenneth D. Smith, St. Joseph, Mo.; William B. Neff, Bernardsville, N. J.; Richard P. Peak, Manhattan, and Frank Lux, Newark, N. J. In the back row are DeVere C. Kennedy, Topeka; Bill F. Duckworth, Topeka; Bill L. Bailey, Topeka, and Donald E. Wholpley, Coldwater. The new feed technology curriculum was inaugurated at Kansas State College last September, after members of the feed industry raised money for a new building and pledged machinery to equip it. Details of the new building and course were reported to you in June 16, 1951, *Kansas Farmer*.

Ray H. A. G. Kitert Maxv Robert H

He the of the fo Washb Men's Ch Young W of Topeka Kansas C League, T odist Ho Home, T mont Ho Francis Topeka.

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Awards 1. First reporter's e 2. Seco name engr 3. Rema ash. Repo names.



Ray H. Gilkeson, James M. Rankin, A. G. Kittell; E. R. McKenzie, 300; Robert Maxwell, 200; Catherine Scott, 100; Robert Halladay, 100.

### Charitable Bequests

He then bequeathed \$1,000 to each of the following named 14 charities: Washburn College, Central Young Men's Christian Association of Topeka, Young Women's Christian Association of Topeka, Ingleside Old Ladies Home, Kansas Children's Home and Service League, Topeka Orphans' Home, Methodist Home for the Aged, Crittenton Home, Topeka Public Library, St. Francis Hospital, Christ's Hospital, St. Francis Hospital, Salvation Army of Topeka.

### \$250,000 to Foundation

Then follows a bequest of \$250,000 to the Capper Foundation for Crippled Children, with the provisions that if in the judgment of the executors it would be better for the continuity and the orderly and efficient conduct of the business of Capper Publications, Inc., such bequest might be satisfied by the delivery to the Capper Foundation for Crippled Children of sufficient stock which at par value would equal that amount. His purpose of such bequest is stated as follows:

"This bequest should be used for the assistance of such boys and girls who are deformed in limb or body as in the judgment of the board of directors of said corporation should be given assistance. I desire that this bequest, including both principal and income thereof, be used for the assistance, care, and comfort of such crippled children. I started and for many years have been responsible for the management of Capper's Crippled Children's fund, subsequently incorporated under the name of Capper's Foundation for Crippled Children, to which contributions have been made by many worthy people.

"If in the judgment of the board of directors of said corporation, such bequest is of sufficient size to build, acquire, equip and provide for the proper maintenance of a hospital or a hospital annex or school for crippled children, and such facilities in their judgment are not otherwise adequately available in the city of Topeka, I desire and direct that such hospital, hospital annex, or school be erected or otherwise acquired, equipped, endowed, and managed by the board of such corporation, in the city of Topeka, Shawnee county, Kan., at such time and in such manner as in

their judgment will best provide for the needs of such unfortunate children."

The residuary clause of the will provides that the remainder of his estate, except stock in Capper Publications, Inc., shall be reduced to cash and paid to Capper Publications, Inc. Any remaining stock in Capper Publications, Inc., not needed for expenses of administration or for bequests of the payment of debts, is to be distributed to his sister, Mrs. Eustice, and his business associates in the same proportion and under the same conditions as previously provided in the will where he makes specific bequests to them of stock in the company.

### Operated Same as Past

The petition, asking for the probate of the will, was signed by H. S. Blake, vice-president and general manager of Capper Publications, Inc., and was filed by the law firm of McClure, Webb & Oman, the company's attorneys. At the time of the filing of the petition, Blake stated:

"By his will, Senator Capper has provided an orderly and efficient plan whereby Capper Publications, Inc., will be operated in the future the same as in the past, with no change of policy or management. The protection of his investors and the continuity of his business were foremost in the Senator's mind, and by his will, such purposes will be fully accomplished. The bequest to The Capper Foundation for Crippled Children only evidences his love and concern for the unfortunate crippled children of Kansas and bespeaks the friendly interest and munificent generosity of a great man."

### Like Buffalo Meat

Buffalo meat is becoming more and more popular. One Kansas rancher raises buffalos and meat is shipped as far away as California, for buffalo-burgers.

In Topeka, January 16, a buffalo feed was given by the county sportsmen's association, with 600 persons served. A buffalo was procured from the state game preserves at Garden City. Brig. Gen. Joe Nickell, adjutant general for Kansas, was principal speaker at the event.

### To Separate Glasses

To separate 2 glasses that are stuck together, dip bottom glass in warm water and the top glass in cold water. —Ruth Stocks, Scott Co.



Get your thinking caps on, Kansas 4-H Club reporters! Announcement is made of the 1952 Kansas 4-H Club Reporters Contest to see who's doing the best and most interesting job in 4-H publicity. Kansas Farmer is the sponsor for the contest.

Many reporters over the state are doing an excellent job of letting folks know what their local club is doing. Here's a challenge to do even better. Fellow club members can help out by co-operating with your club reporter in more and better stories about projects, tours, fairs. You can help in many ways to make a more progressive 4-H Club

year so your reporter will have an abundance of material to publicize. For a Suggestion Sheet of 4-H stories to prepare, write Kansas Farmer and we'll be glad to send it to you.

### Rules of Contest

1. Publicity notebooks shall be kept by the 4-H Club reporter.
2. To be eligible, a club shall have participated in a publicity program for not less than 5 months previous to September 30 of the current 4-H year.
3. The notebook of the first award club in each county shall be forwarded to the State 4-H Club office, Manhattan.
4. Winners will be selected by a committee named by the State 4-H Office.
5. Basis of awards will be on consistency of reporting, quality of publicity, variety of coverage and summary of work accomplished. (For full details write to State 4-H office, Manhattan.)

### Awards To Be Given:

1. First: \$50 college scholarship to winning reporter. \$15 cash to winning reporter's club. Framed certificate to winning reporter's club.
2. Second: \$10 cash to reporter's club. Leather zipper notebook with name engraved to reporter.
3. Remaining clubs (10) in the "Blue Ribbon" group will receive \$5 cash. Reporters will receive pen-and-pencil sets engraved with winner's names.



NOW! YOU CAN  
RAKE  
RIGHT

CUT TRACTOR  
TRAVEL  
1/2 WITH

Rake-away

FRONT MOUNTED • GEARLESS • RIGHT or LEFT DELIVERY

You are money-out-of-pocket each tractor trip across your field. When you're haying, the time spent per trip can mean the difference between quality hay or lowered feeding value due to overripeness or rain damage. Now you can double the acreage harvested in a given time and save half on fuel.

Mow and Rake In One Trip Instead of Two. Thousands of farmers are doing it with the original Kelly Ryan front-mounted, left-hand delivery Rake-away. It windrows hay out of

the path of tractor wheels. Should rain soak the windrows, they can quickly be turned bottoms up with the Rake-away.

Gather Two Windrows For One Trip Pick-up. Now, there is a Rake-away which delivers to the right. Attach a simple extension and it will gather two windrows into one for one trip pick-up by right-hand fed baler or chopper.

Other Advantages Enable You To Clean More Hay Per Acre

Users report the Rake-away rakes so clean it gleams as much as 1 1/2 more bales per acre. Each raking wheel rides down into the low spots of uneven ground because it is spring suspended and revolves on its own floating axle—has no gears—is ground driven—has no opening through which headwinds can blow loose hay.

Give him all the time you can to guard against steel cutbacks.



SEE  
YOUR DEALER  
NOW!

KELLY  
RYAN

EQUIPMENT  
COMPANY  
BLAIR, NEBRASKA

### KANSAS DEALERS

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| CHANUTE<br>Kbler Sd. & Produce          | HORTON<br>Phillips Impl. Co.         | NORTHBRANCH<br>Northbranch Gar.        | SCRANTON<br>Cox Bros.              |
| CLAY CENTER<br>Frick Impl.              | HUMBOLDT<br>Elliott Trac. Co.        | NORTON<br>Laws Impl.                   | SHARON SPRINGS<br>Rivers Impl. Co. |
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| DWIGHT<br>Olson Ed. & Farm Store        | LINDSBURG<br>Lindsborg Equip.        |  | WELLSVILLE<br>Wellsville Impl. Co. |
| FT. SCOTT<br>Midway Garage Impl.        | LOGAN<br>Laplin Equip.               |  | WHITE CLOUD<br>Green Impl.         |
| EMPORIA<br>Owens-Wilson Impl. Co.       |                                      |  | WHITEWATER<br>Roth Sales & Ser.    |
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## Western Land Roller

CENTRIFUGAL and TURBINE PUMPS FOR IRRIGATION

AVAILABLE WITH Direct Connected Electric Motor, Flat or V-Belt Drive or Right-Angle Gear Drive

ANY CAPACITY 300 TO 2500 GALLONS PER MINUTE, AND ANY LIFT FROM 10 TO 300 FEET

MANUFACTURED BY  
**Western Land Roller Co.**  
HASTINGS, NEBRASKA



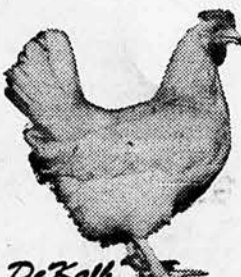
# How it Pays to Raise DEKALB CHIX—

339 Farmers Averaged  
**40 EXTRA EGGS**  
per bird each year  
with  
**DEKALB CHIX!**

That's an **EXTRA 40**  
per bird **YOU** can't  
afford to **LOSE!**



DeKalb  
101



DeKalb  
104



DeKalb  
308

In comparison tests with ordinary chickens, DeKalb Chix laid an extra 40 eggs\*

10 Eggs more than covers the added cost of DeKalb Chix due to extra research

Your average return per DeKalb Chix could bring you 30 more eggs above and beyond cost

= 40 EGGS

- 10 EGGS

30 EGGS

30 EXTRA EGGS x 3 1/3c = \$1.00  
(40c per doz.)

## It's DEKALB BREEDING that COUNTS!

\*DeKalb asked 339 Farmers over a 4-year period to test DeKalb's 6 different egg-producing crosses against average farm chickens of the raiser's own choice. The results of these tests showed an average production advantage of 40 extra eggs per hen per year for DeKalb Chix over the other chickens tested. Yes, the DeKalb layers averaged 206 eggs per bird per year, compared with an average of 166 eggs per layer made by the other chickens. Living, housing, feeding conditions were as much alike as possible.

See your DeKalb Corn Dealer or one of these Associated Hatcheries

Arens-Wise Hatchery, Emporia

B. & C. Hatchery, Neodesha

Mak's Marysville Hatchery, Marysville

Wesselowski Hatchery, Beloit

The Winfield Hatchery, Winfield

## SEND COUPON TODAY!

And receive a Free Booklet showing pictures and descriptions of the six different DeKalb egg-producing types, and actual records from farmers showing the performance of DeKalb Chix.

Bred under the same principles as  
**DEKALB  
SEED CORN**

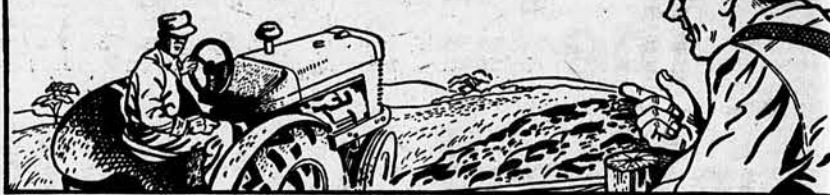


DeKalb Agricultural Ass'n., Inc. • Dept. KF-12, DeKalb, Ill.  
Commercial Producers and Distributors of DeKalb Seed Corn and DeKalb Chix

NAME \_\_\_\_\_  
TOWN \_\_\_\_\_  
TOWNSHIP \_\_\_\_\_  
STATE \_\_\_\_\_

**Mail NOW**

## Have You Heard?



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

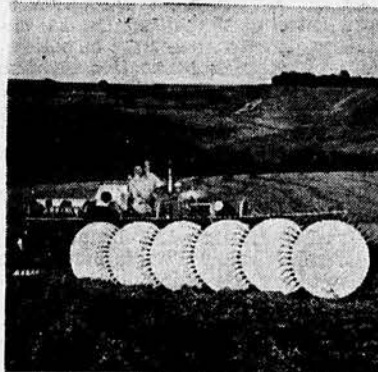
**ANNOUNCEMENT** is made by Ralston Purina Company they will build a new feed mill at Spokane, Wash. The new mill, the 39th Purina Chow plant, will have the capacity of more than 100,000 tons annually.

**Kelly Ryan Equipment Co., Blair, Nebr.**, announces a right-hand delivery rake, front mounted, which windrows hay or straw to the right of the tractor

made by Gehl Brothers Mfg. Co., West Bend, Wis. Most of the grinding is done all in one place, under convenient downspouts descending from overhead bins of oats and corn.

**What Is Believed** to be a new record for raising baby pigs has been set by a young Minnesota farmer, reports Lederle Laboratories Division, American Cyanamid Co. A registered Chester White sow produced a litter of 12 pigs that weighed 812 pounds at 56 days old. Old record was 720 pounds, set in 1914. The Minnesota farmer says the remarkable growth is due to use of the new "wonder drug," aureomycin, in a feed supplement.

**SC Case tractor**, equipped with Good-year Sure Grip and ribbed tractor tires, Case chopper and home-built unloader



for pickup by right-hand fed baler or chopper attached to the rear of the tractor. It saves one half tractor travel, fuel costs and time necessary when raking and baling or chopping is done in separate operations. Also announced is an easily attached extension to the Rake-away, which makes possible moving 2 windrows together in direct line for pickup by baler or tractor. It brings together windrows spaced as much as 12 feet apart.

**Sun-State Carvisor** is a new, streamlined economical and effective car visor, guaranteed to resist sun and headlight glare, and effects of the sun's rays on ice and snow. Will not steam over, cleans easily, allows unobstructed vision, easy to install, sells for \$1. Address Sun-State Carvisor, 5533 S. Western Ave., Los Angeles 62, Calif.

**Filling a 300-bushel truck box** with ground feed in one hour flat is no trick at all for the Renk Brothers, famous seedsmen and sheep exhibitors, Sun Prairie, Wis. The Cramer-Krasselt Company, Milwaukee, comments "Direct power take-off from tractor to grinder eliminates belt slippage and actually increases grinding capacity up to 50 percent. Six V-belts transmit power to hammers with top efficiency, also."

Renk Brothers use a Gehl Grind-All,

wagon is included in equipment shown below, in chopping 3rd cutting of alfalfa. Doing the work for M. Morris, neighbor, is Pete Malstaf, of Walkerton, Indiana.

**Avco Manufacturing Corp.**, already a producer of farm equipment thru its well-known New Idea Division, has announced further expansion in the field with purchase of the Horn Manufacturing Co., Fort Dodge, Ia. Horn products will be distributed thru the New Idea Farm Equipment Company, and will complement the farm machinery line of the New Idea Division.

Recently sponsored by the Minneapolis-Moline Co., and sent to its dealers, was the 1952 Farm Safety Calendar issued by the National Safety Council. Minneapolis-Moline believes this calendar, packed with pertinent and useful information, will greatly promote farm safety.

## Kansan Is Butler Manager



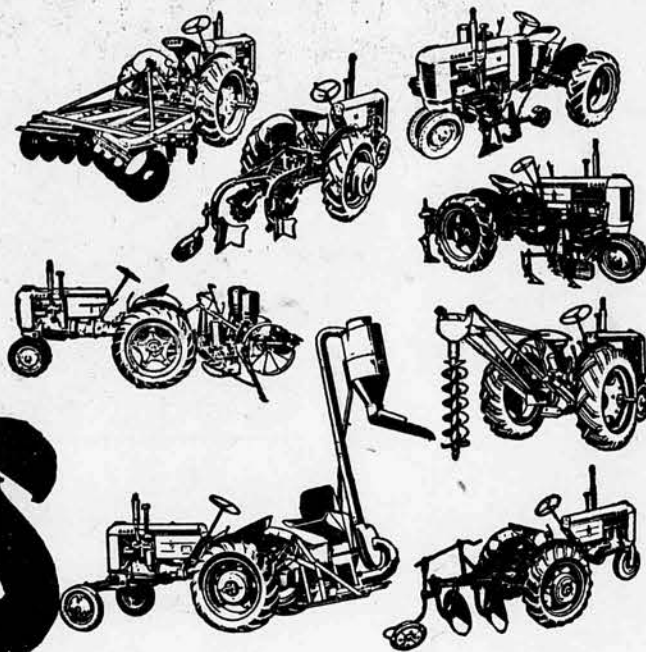
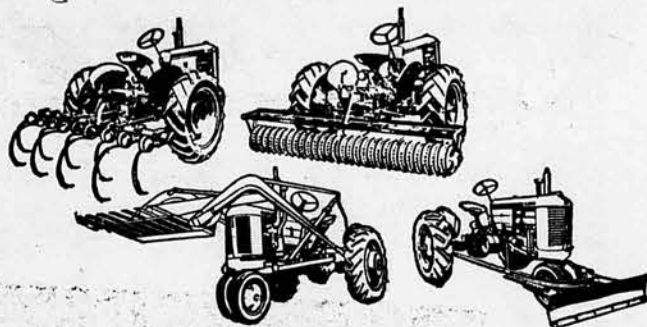
**A KANSAN** has been named new general manager of Butler Manufacturing Company, Kansas City, makers of steel grain bins, watering tanks, buildings, and many metal products. John A. Morgan, native of Wichita (at left), will be general manager, and at right is Oscar D. Nelson, president, who made the announcement at the company's 50th anniversary event, December 6, 7 and 8. A highlight of the special event was unveiling of new production facilities.



# The BIG BARGAIN in Farm Power and Utility

**HUSTLES YOUR FIELD WORK • HELPS WITH YOUR CHORES**

# Does 100 Jobs



IMPROVED  
MODEL "VAC".  
CASE TRACTOR

**NO OTHER LOW-COST TRACTOR  
GIVES YOU SO MUCH**



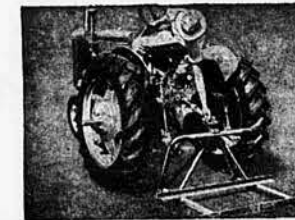
**New steering gear** provides pivot-point turning on one rear wheel. Ball and roller bearings—steering is fast, easy, shock-free.



**Two-way hydraulic control** by remote ram for all kinds of trailing implements and machines provided with ASAE standard fittings.



**Bigger wheels and tires** add to crop clearance, reduce slippage, provide more positive traction, especially in soft soil.



**Eagle Hitch** gives one-minute hook-up to rear-mounted implements, right from tractor seat. Shown here hooking up to Utility Carrier.

**GET THE PROOF THAT COUNTS**

You'll never know how much you can get in a low-cost tractor until you try the Case "VAC" at work on your own place. See your Case dealer now; arrange for the kind of demonstration that really counts.

**SEND FOR ADVANCE FOLDER**

Case builds 25 tractors, a complete line of farm machines. Mark here or write in margin any you need. Write Dept. A-47, J. I. Case Co., Racine, Wis.

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| <input type="checkbox"/> 2-plow "VA" Series Tractors | <input type="checkbox"/> Grain Drills  |
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| <input type="checkbox"/> 4-5 plow "LA" Tractor       | <input type="checkbox"/> Combines      |

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**You get more help with more jobs** when you have the Case "VAC" than you can get from any other low-cost 2-plow tractor. With its one-minute Eagle Hitch you drop a field implement and pick up the Utility Carrier—haul big barrels, rolls of fence, crated animals, feed and fertilizer—all without heavy lifting. You can dig postholes, load manure, grade a road, build a pond. You can latch onto the mounted hammer mill and go grinding with no belting up or staking down. You get a great choice of field implements—front-mounted "look ahead" cultivators . . . rear-mounted tool-bar tillers . . . disk and moldboard mounted plows, including break-away model for stony, stumpy ground . . . many kinds of planters and harrows. You get a heavy-duty, moderate-speed engine with lugging power to pull right through tough spots, endurance for extra years of hard work.

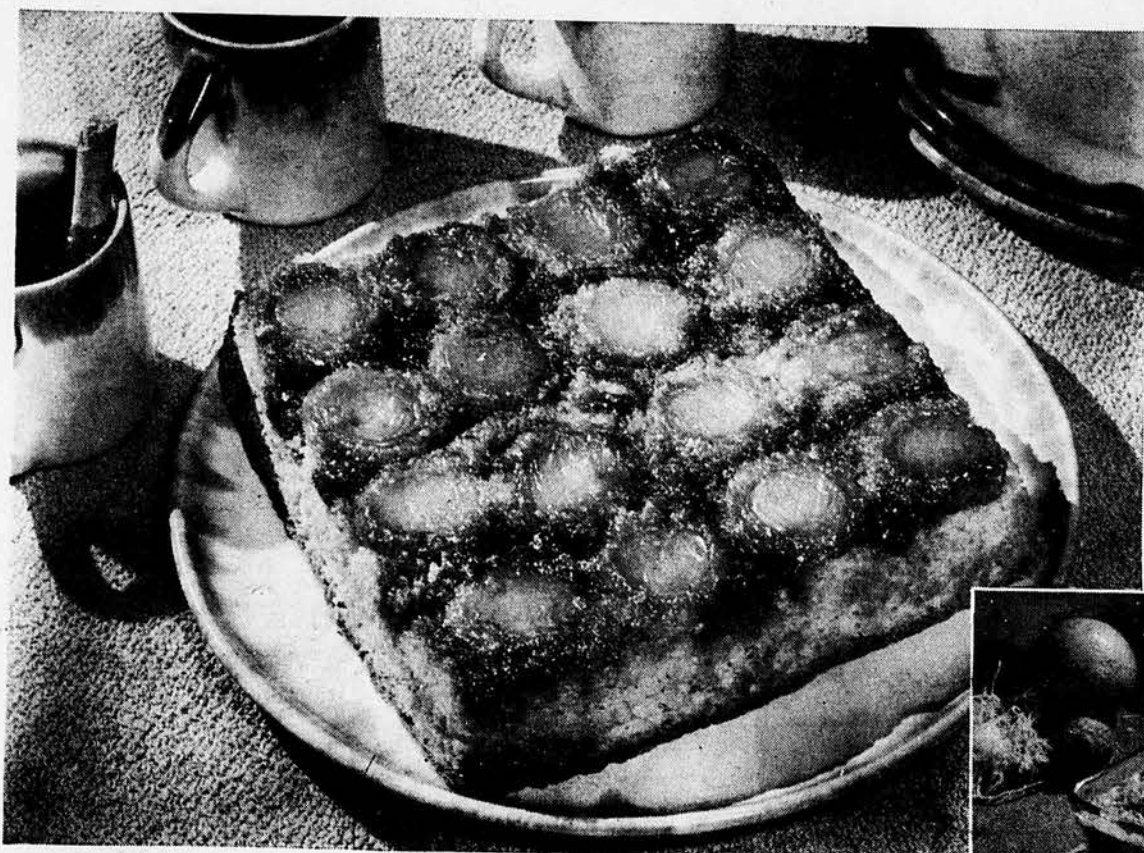
**CASE**





# Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



**APRICOT UPSIDE DOWN CAKE** when you're in a hurry. It's made with a base of prepared pancake mix.

**BELOW: PRUNE DESSERT COFFEE CAKE** at top of picture is delicious with coconut topping. At bottom is a filled coffee cake with prunes to serve either as breakfast bread or as dessert.



## Fruits, Nuts, Spice And Everything Nice

**E**NVIED is the homemaker who serves luscious-tasting sweet breads, coffee cakes and new kinds of cookies. They have eye and taste appeal, are good to eat and with a variety of dried fruits are good to eat and good for you. Here are home-tested recipes for the year round.

### Prune Dessert Coffee Cake

2 cups cooked prunes	1/2 teaspoon salt
1 1/2 cups sifted flour	1/2 teaspoon cinnamon
3/4 cups sugar	1/2 cup shortening
3 teaspoons baking powder	1 egg
	1/2 cup milk

#### TOPPING:

1/2 cup sugar	1/2 teaspoon cinnamon
1/2 cup shredded coconut	1/2 teaspoon vanilla
	1/4 cup sour cream

Pit prunes. Sift together, flour, sugar, baking powder, salt and spice. Cut in shortening. Beat egg lightly and add milk. Stir into dry ingredients. Turn into 9-inch square pan. Arrange prunes over batter. Bake in moderately hot oven (375°) for 25 to 30 minutes. Combine the topping mixture and spread on top and bake 10

minutes longer. Serve warm. Makes 9 3-inch squares.

### Apricot Upside Down Cake

If you're in a hurry make this for dessert. No mixing or stirring for the base is pancake mix.

#### TOPPING:

2 tablespoons butter	cooked dried apricot halves
1/2 cup brown sugar	
	1/2 cup cottage cheese

#### BASE:

1 egg, beaten	1 cup pancake ready-mix
1/2 cup sugar	
1/2 cup milk	3 tablespoons melted shortening

For topping, melt butter in an 8-inch square baking pan. Add brown sugar, mixing well. Over this arrange enough apricot halves to cover bottom, cut side up. Top each half with cottage cheese.

For base gradually add sugar to beaten egg, beating until well mixed. Add milk alternately with ready-mix, mixing until combined. Pour batter over apricots. Bake in moderate oven (375°) 25 to 30 minutes. Cool slightly and turn out onto platter for serving.

### Filled Coffee Cake

Here's a coffee cake that may be stored in your food freezer, then heated when needed. We thought it was fine for Sunday breakfast.

3/4 cup sifted flour	3/4 cup fine, dry bread crumbs
1/2 cup sugar	
3 teaspoons baking powder	1/4 cup shortening
1/4 teaspoon salt	1 egg
	1/2 cup milk

#### FILLING:

1/2 cup pitted cooked prunes, chopped	1/2 cup brown sugar
1/4 cup roasted unblanched almonds, chopped	2 tablespoons flour
	1 teaspoon cinnamon
	1 teaspoon grated orange rind
	2 tablespoons butter

Sift together flour, baking powder and salt. Blend in crumbs and shortening. Beat egg lightly, add milk and stir into dry mixture. Spread 1/2 the batter in greased 8-inch layer pan. Combine filling ingredients and spread 1/2 the filling over it. Then cover with remaining batter and spread remaining filling on top. Bake in hot oven (400°) about 30 to 35 minutes. Serve warm as breakfast bread or as dessert.



## Easy-Sewing Ideas

**9361**—A casual dress you'll depend on for shopping, church, even sports, depending on material you choose. Sizes 12 to 20 and 30 to 42. Size 16 takes 4 3/4 yards 35-inch material.

**4517**—Three pieces to sew in this pattern. No fitting. Add pocket, binding and you have a clever wrap-tie dress. Sizes 12 to 20 and size 40. Size 16 takes 3 3/4 yards 35-inch material. Transfer included.

**4698**—For shorter women, a half-size pattern designed for you. No altering needed. Design is flattering, soft and feminine. Sizes 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2, 24 1/2. Size 16 1/2 takes 3 3/4 yards 39-inch material.

**9060**—Cute little princess dress with puffed sleeves or butterfly wings. Version with lower neckline is even easier sewing. Sizes 2, 4, 6, 8, 10. Size 6 takes 2 yards 35-inch material and 1/4 yard contrast. Panties take 7/8 yard.



**4647**—Youthful and slimming. For the mature woman with young viewpoint. Deep scalloped collar is youthful and flattering. Skirt has slim lines, new pockets. Sizes 34 to 48. Size 36 takes 4 3/4 yards 35-inch material. Contrast 1/2 yard.

**9169**—One yard 54-inch material for all given sizes. Waist 24, 26, 28, 30, 32. No side-seams. The easiest, thriftiest skirt you can make. It will double use of your wardrobe.



Pattern Numbers	Size	Name
		Route
		Town
		State

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



Finds speedy Dry Yeast a grand help

## Busy Mother is Prize Cook at Kansas Free Fair

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

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

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

What could be more satisfying, more delicious than goodies made with yeast! They're so wholesome and nourishing for your family, too. When you bake at home, use yeast. And use the best—Fleischmann's Active Dry Yeast. You can depend on it for good results always! And this grand dry yeast is so fast. Get a supply today!

### PHLOX

**3 for 50¢** POSTPAID

Red, Purple, Pink  
**HARDY PLANTS** — You can enjoy them for years to come. Massive heads of colorful, fragrant bloom, densely packed with large florets. These husky, sturdy plants bloomed last year in our nursery and are sure to bloom this year.

Limit 1 order per customer.  
**FREE** Scores of beautiful flowers, trees, shrubs, vegetable pictures in full color in our BIG CATALOG. Sent free.

**EARL MAY SEED CO.** 413 Elm St., Shenandoah, Iowa

UNITED STATES  
SAVINGS BONDS  
are still **THE BEST BUY**

## EAR NOISES?



If you suffer from those miserable ear noises and are Hard of Hearing due to catarrh of the head, write us NOW for proof of the good results many people have reported after using our simple home treatment. **NOTHING TO WEAR.** Many past 70 report ear noises relieved and hearing improved. **SEND NOW FOR PROOF AND 30 DAYS TRIAL OFFER.**

**THE ELMO CO.**  
DEPT. 2KA2 DAVENPORT, IOWA

## 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 irregularity often brings.

Try the new  
**25¢**  
size

Money back  
if not satisfied

Mail bottle to Box 280, N. Y. 18, N. Y.

**DR. CALDWELL'S**  
**SENNALAXATIVE**  
Contained in pleasant-tasting Syrup Pepsin



# FARM TESTING

## Proves

High Livability of  
**AMES IN-CROSS**  
Hybrid Chickens

**DIVIDED HOUSE TESTS SHOW AMES IN-CROSS HYBRIDS  
GIVE YOU 6 EXTRA BIRDS PER HUNDRED**



Yes, the Ames In-Cross Hybrid hen is showing her superiority in the only true test of chicken performance—actual testing "ON THE FARM." From brooder to housing period, results to date show Ames In-Cross out in front with 6% greater livability than standard or cross-bred birds tested. And you know—the more birds housed, the greater your profits.

Thousands of birds are being farm tested by practical poultry raisers throughout the Midwest—raised under actual farm conditions and given identical feed, care and management. In these tests, your neighbors are PROVING, on their OWN farms, the higher livability of Ames In-Cross hybrids.

And Ames In-Cross hybrids guarantee greater profits many ways . . . 3 to 4 MORE EGGS per month per bird than from standard bred flocks, MORE MEAT and you use LESS FEED per dozen eggs. Prove it on your own farm. Book your Ames In-Cross Hybrid Chicks now.



**ORDER FROM YOUR NEARBY AMES IN-CROSS DEALER**

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TOPEKA—Shawnee Hatchery  
WAKEFIELD—The Young Hatchery  
WAMEGO—Wamego Hatchery  
WATHENA—Wathena Hatchery  
WELLINGTON—Stearns Hatchery  
WHITEWATER—Whitewater Hatchery

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**AMES IN-CROSS, Inc.**

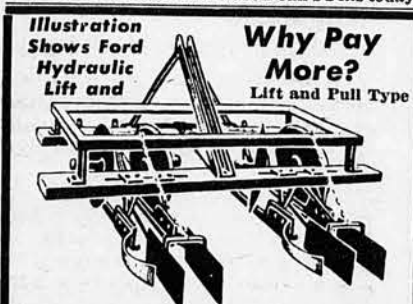
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Des Moines, Iowa

## KIDNEYS MUST REMOVE EXCESS WASTE

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

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



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Write for circular and prices.  
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**CHINESE ELM**  
Fine, healthy, vigorous young trees—hardy outdoor nursery grown.  
Great favorite for wind-breaks because it's America's fastest growing tree. A windbreak keeps out freezing winds, saves fuel, promotes growth and health of livestock. Limit 1 order per customer. Send your order today.  
**FREE** Big Colorful Catalog featuring 14 hybrid vegetables, scores of great values . . . flowers, shrubs, plants.  
**EARL MAY SEED CO.** 406 Elm St., Shenandoah, Iowa

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A Sensational Buy! Outstanding value in one of America's most beautiful ornamental trees. Stately pyramidal growth, densely branched right to ground. Wonderful for border planting—screening purposes. 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.

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**EASY ROLL WINDER**

Rolls or unrolls wire.  
80 rods in 3 minutes.  
Only one reel required.  
Write for full details.

**WIRE WINDER MFG. CO., Mendota 5, Ill.**

## Save \$2.00 On This Home Mixed Cough Syrup

Easily Mixed. Needs No Cooking.

Cough medicines usually contain a large quantity of plain syrup—a good ingredient, but one which you can easily make at home. Mix 2 cups of granulated sugar with 1 cup of water. No cooking! Or you can use corn syrup or liquid honey, instead of sugar syrup. Then get from your druggist 2½ ounces of Pinex, pour it into a pint bottle, and fill up with your syrup. This gives you a full pint of wonderful medicine for coughs due to colds. It makes a real saving because it gives you about four times as much for your money. Never spoils, and children love it.

This is actually a surprisingly effective, quick-acting cough medicine. Swiftly, you feel it taking hold. It loosens phlegm, soothes irritated membranes, makes breathing easy.

Pinex is a special compound of proven ingredients, in concentrated form, a most reliable, soothing agent for throat 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!**

## Kansas Day Is Coming

KANSAS will be 91 years old on January 29, and many a club will be honoring the day in one way or another. Mrs. Bertha Jones, of Geuda Springs, writes us that many years ago she learned the following song and wonders whether others remember it.

### Kansas Land

(Tune, Beulah Land)

I've reached the land of corn and wheat,  
Of pumpkin pie and potatoes sweet;  
I've bought my land of Uncle Sam,  
And now I'm happy as a clam.

**Chorus:**  
O Kansas Land! Sweet Kansas Land!  
As on the highest bluff I stand.  
I look away across the plain  
And wonder if 'twill ever rain;  
But when I turn to view my corn,  
I think I'll never sell the farm.

When first I came to get my start,  
The neighbors they were far apart;  
But now there's one on every claim,  
And sometimes three all want the same.

**Chorus:**  
At first the grass was brown and sear,  
With drouth and grasshoppers each year;  
But now there's so much rain and snow  
The cowboy is compelled to go.

**Chorus:**  
My horses are all Percheron stock,  
My chickens are all Plymouth Rock;  
My cows are Jerseys, very fine,  
And Poland China are my swine.

P. S. The Kansas State Historical Society at our request investigated the origin of this song and in their files found it was published in the Stanton Telegram, Stanton county, in a now non-existent town by the name of Gognac, on July 13, 1888. The editors add that the author was unknown, but at the time the song was "going the rounds," had many varied verses and may have been authored by more than one person. We will be pleased to hear from old-time readers on this subject.

### Invitation to One

Come toast your toes at my hearth to-night,  
The hickory wood crackles, the blaze is bright,  
There's a mellow sheen on the old pine walls  
While outside my window a new snow falls.  
Red apples are heaped in a big blue crock,  
The records are stacked, from boogie to Bach,  
A scrapbook of poems you'll find at hand,  
The language I speak you will understand.  
(. . . But if your need is silence on this night  
We will build aisles of velvet, velvet quiet . . .)

—By Mary Holman Grimes.

### Date Bait

A comely lad met a lovely lass  
And remembered well her name,  
But street and number he forgot  
So he tried this little game.  
He wrote a note to send by mail  
In Uncle Sam's good care,  
Addressed the postman earnestly  
To see how he would fare.  
"Postman, Postman! do your duty,  
Carry this, please, to above named beauty."

Duly received and read with glee  
The lass said, "Does he rate?  
Indeed, he's sharp and lights a spark,  
With me he has a date."

—By Camilla Walch Wilson.

### "40"

My kind of figure  
Would raise no alarm  
When I wear a sweater  
It's just to keep warm!  
—By Bula Lemert.

## News to You?

A HANDY tray for serving a sick person is the ordinary muffin tin. Small portions may be served in colorful paper muffin cups set inside and helps avoid danger of spilling. A small glass fits in the tin, too.

Some folks add a short piece of link chain to one end of a clothesline. Then the slack can easily be taken up by hooking a link farther back on the chain.

If you are giving a large party you can make pretty coasters out of aluminum foil. Just draw circles on the foil an inch larger than the bottom of your drinking glasses and cut out with pinking shears. Then turn up the edges of the foil a quarter of an inch all around.

If you get too much bluing in a garment, you can remove most of it by soaking it in water to which 2 or 3 tablespoons of vinegar has been added.

The lower shelf of the family bookcase is a good place for toy storage in your home. If you have more room, provide a special corner with open shelves or where a box on wheels may be placed. Little folks play happily when near older members of the family.

Look around for the new orlon curtains . . . newer and with some features that nylon curtains do not possess. Humidity does not change the shape and they do not absorb dirt. It sews, too, with little puckering.

If one day you let little Johnny play with pots from your kitchen cupboard without scolding, and the next day you spank him the minute he opens the door, he's likely to rebel with a tantrum. Every little tot needs to know where he stands. For his own security, he needs to know how far his boundaries extend and exactly what he can do.

Too much pressing of wool garments destroys the resiliency. Soon the cloth

will look hard and stay shiny. When you press it, leave a slight amount of moisture from steam in the garment. Then hang up the garment to finish drying in the air.

Help your small John or Mary enjoy music. Short tunes about animals, the family, toys and other things familiar to a little tot. Sing the whole song instead of a phrase at a time. It won't be long before they know all of it and will be singing as they play.

You sacrifice a good sharp cutting edge when you buy a kitchen knife which is bright and shiny. The best cutting knives are those made of high-quality hard steel. If they are stainless steel they are not of hard-tool quality. Cutlery manufacturers have been at work trying to develop ways to make a sharp knife that also will stay bright and shiny.

To please your pumpkin pie eaters, add bits of candied ginger to the whipped cream that goes on top. Or fold in a little crushed peanut brittle. Or top the cream with a spoonful of orange marmalade after serving on the plates. Still another flavor trick is to add a little grated orange rind to the pumpkin pie filling.

### For Club Women

A leaflet which gives the most necessary rules of order used in women's club meetings is still available. It may be used as a drill to acquaint all members with the rules. Included in the leaflet "Rules of Order for Women's Club Meetings," are election of officers, constitution, by-laws, how to make a motion, amendments, discussion, responsibilities of officers, and order of business. Send 3c for cost of mailing to Home Editor, Kansas Farmer, Topeka, and ask for "Rules of Order" leaflet.



## Big Task Accomplished

By Willing Workers Unit at Weskan



COLORFUL UNIFORMS worn here by the 20 members of the Weskan high school band were bought by the Weskan Willing Workers home demonstration unit as a community service. The women raised the necessary \$1,000 in a series of sales and other events.

BUYING \$1,000 worth of bright uniforms for a school band is a community service to challenge any group. But for the 19 members of the Weskan Willing Workers home demonstration unit living in the sparsely-populated area of Weskan, the last town in Kansas on the Union Pacific railroad, it looked like an impossibility. But near miracles can happen. Now the 20 members of the Weskan high school band march and play in flashing uniforms . . . the community's pride and the unit's achievement.

It all started back in February when the unit president, Mrs. Nema See, appointed 3 members, Mrs. Vera Martin, Mrs. Mary Glad and Mrs. Inez Paul to propose a worthy community project. The most ambitious proposal was to buy uniforms for the school band of the Weskan Consolidated High School. Director of Music Nikkel was consulted. He knew of no better incentive to build a high school band than colorful uni-

forms. The women agreed to take on the project.

When the women talked it over with their families, many were told it could never be done. But the women were determined. The same evening they explained their project at a community meeting and took up a freewill offering. The response was good, but still not a drop in the proverbial bucket.

Later a committee canvassed the little town of Weskan. Little by little the funds grew. Then came a food sale in a downtown shop. On April 13, the band composed of 14 members gave a concert. Another offering was taken and unit members swelled the amount by the sale of chili, pie and coffee.

"About this time, a check arrived by a secret channel," reports Mrs. Paul. "How our spirits leaped with joy! The goal was much nearer now."

The next money-raising venture was a white elephant sale. What a conglomeration of articles came in . . . all the way from 3 live horses to a beautifully decorated cake and a chick brooder." Ernest See auctioneered and the ladies served pie and coffee to stretch the proceeds.

"Now at last we were ready," continues Mrs. Paul. "We voted to order the 18 uniforms at the cost of \$1,009.80. Our hearts were cheered and our project could rest during the summer."

### Won a Blue Ribbon

At the Wallace County Fair in August, the unit rated a blue ribbon on a booth, illustrating their project. Dolls dressed in uniforms like the school band and sporting toy instruments were fastened on a revolving turntable. A phonograph played band music.

September came and 20 members joined the school band. The school added the 2 other uniforms to fit out the band. By this time interest in the project was county-wide. Neighboring Sharon Springs caught the spirit and organized a band of its own.

The greatest triumph came soon after school started when the band received an invitation to play at Band Day at Kansas State College, at Hays, on October 27. The band quickly went into marching practice. Cars were provided for the band and parents. Three unit women made the trip and swelled with pride to see their band perform so well.

Evelyn Erichsen, county home agent, calls the project the most outstanding in the county for several years. She adds, "It has increased community spirit and brought the unit closer together. Here is an example of a group who got more pleasure from giving than receiving."—By Eula Mae Kelly

### New Home Ec Editor Is Kansan

Cleora Ewalt, 1943 graduate of Kansas State College, has been named Extension home economics editor at Ohio State University, Columbus. Miss Ewalt was employed as home service director of a utility company in Parsons.

### Practical and Pretty



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100-bushel corn is now practical on Missouri's average soil. So reports Arnold Klemme, University of Missouri soils specialist. Klemme feels many



Arnold Klemme  
University of Missouri

growers reached the 100-bushel goal because they plowed down fertilizer. He sees little value in starter applications alone if mature roots go deeper and find no plant food available. Dr. Klemme says that with more fertilizer, both starters and plow-down applications, "we can reduce our present acreage by one-third, and still produce as much corn."



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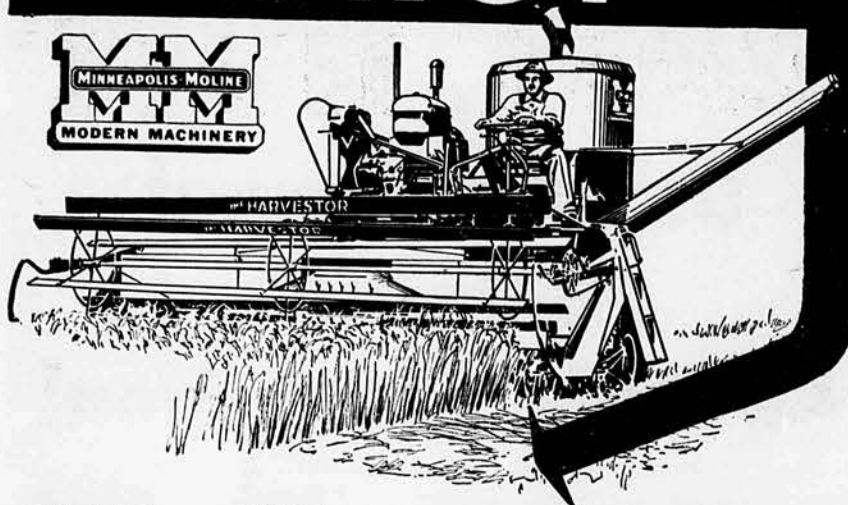
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FLEX-O-SEAL

## Farm and Home Week Gets Back Home

By EULA MAE KELLY

THE week of February 4 to 8 renews one of the most cherished traditions of Kansas State College at Manhattan. Then, annual "Farm and Home Week" returns to the campus for its 84th session. Six years ago a serious housing shortage in Manhattan caused the time-honored conference to be shifted to district conferences over the state.

Welcoming the event back to the campus, Dr. James A. McCain, president of the college, says, "A special effort has been made to bring outstanding speakers on every phase of rural living, and an unusually lively schedule



JAMES A. MCCAIN  
"All farm families invited"



PAUL GRIFFITH  
"Make room reservations early"



GEORGIANA SMURTHWAITE  
"A spring fashion show"

of entertainment features as well. We hope a maximum number of farm families will be here for the occasion."

Assuming its role as science center for Kansas agriculture and homemaking, the college packs into this week the results of months of research and study. Separate sessions have been planned in agronomy, poultry, economics, beekeeping, agricultural engineering, home economics, dairy and livestock.

The only general assembly of the conference is scheduled for 1 o'clock Wednesday, February 6, when President McCain will deliver the address. Organ music by the college department of music precedes the presidential message.

### Hold Association Meetings

Annual meetings of the Kansas Interbreed Dairy Cattle Council, state dairy breed associations, the Kansas Hybrids Association, and the Kansas Crop Improvement Association will bring some of the top leaders in agriculture to the campus during the week. Election of officers features most of these annual meetings.

Speakers for dairy sessions include the following out-of-state personnel: C. B. Bender, director of research in grassland farming, the Sperry Corporation, Rochester, N. Y.; Karl B. Musser, secretary-treasurer, American Guernsey Cattle Club, Peterborough, N. H., and Owen D. Richards, general manager, American Dairy Association, Chicago.

Topics of current interest discussed on the dairy program include antibiotics in calf feeding by Dr. E. E. Bartley, of the college dairy staff, whose research in this field has been outstanding. Making hay-crop silage and grassland farming also will be given attention.

A forum on market eggs and poultry highlights Poultry Day, Tuesday, February 5. Speakers of note contributing to the program include: E. B. Winner, Extension poultryman, University of

Missouri, Columbia; Cy Roth, successful broiler producer of McPherson. College faculty contributing to the program are: Tom B. Avery, Dr. Paul Sanford, Dr. C. D. Mueller, M. E. Jackson, L. F. Payne, and Dr. J. S. Hughes.

Walter Atzenweiler, representing the Kansas City Chamber of Commerce, will climax the poultry session with presentation of awards to state poultry champions. Visitors will be told the secrets of barbecuing poultry, the facts on capettes, late research in poultry nutrition, and identification methods.

Economics as applied to the state's largest industry, farming, will be reviewed by college and visiting economists on Wednesday, February 6. Directing the program will be Dr. Raymond Doll, Kansas City Federal Reserve Bank, and Dr. F. D. Farrell, president emeritus. J. Russell Ives, department of marketing, American Meat Institute, Chicago; Dr. Clyde Mitchell, head, department of agricultural economics, University of Nebraska, Lincoln, and M. L. Mosher, Extension farm management specialist, University of Illinois, Urbana, are out-of-state speakers.

### Farm Families Honored

Bruce S. Wilson, farmer, of Manhattan, will preside at the farm-management banquet the evening of February 6, when farm-management families of 20 years standing will be recognized.

One of the most outstanding programs of the week is the 2-day practical course in agricultural engineering

(Continued on Page 25)

## They Depend on Books

Free institutions have a unique dependence on books and on serious reading. In a free society, individual action can be assured only if the individual has the understanding and conviction to which thoughtful reading is fundamental.

—Theodore Waller.



offered Thursday and Friday, February 7 and 8. Demonstrations and discussions on developing the farm shop, welding techniques, and machine adjustments are planned. Henry Abels, Clay Center farmer, will make a demonstration. College engineers on the program include: John M. Ferguson, Russell Herpich, G. H. Larson, Gus Fairbanks, and Harold L. Kugler.

Thursday, February 7, will be devoted to discussion of breeding problems of purebred livestock producers. J. K. Riggs, department of animal husbandry, Texas A & M College, College Station, Tex., and L. E. Johnson, regional co-ordinator, beef cattle breeding research, U. S. Department of Agriculture, Lincoln, Nebr., are out-of-state speakers.

The home economics program, planned by Georgiana Smurthwaite, state home demonstration leader at

K-State, promises 4 full days of education and enjoyment. Highlights include a spring fashion show, special musical training, a consumer information series, and everyday art lectures. Afternoon classes cover a variety of home-making interests.

Open house has been arranged for visits to the college nursery school, home management houses, and Northwest Hall, newest residence hall.

Paul Griffith, associate dean and director of Kansas State College Extension Service, who is general chairman of the conference, says room reservations at hotels or in homes should be made well in advance. Reservations can be made by writing to Housing Director, Kansas State College.

An Inter-state Farm and Home Conference for Southeast Kansas and nearby Oklahoma counties is scheduled at Coffeyville, January 23 and 24.

### Coming, Next Issue . . .

Coming, next issue in the home department of *Kansas Farmer* will be a feature story entitled, "To Each, His Own Choice," a story about the joys of reading. This story will appear as a part of our campaign to emphasize the importance and the pleasure to be found in reading. Watch for the home department, February 2.

**No. 2** in flower series written by a man who grows them by the acre

## Poppies for Beauty

By FRANK PAYNE

IN AMERICA million of poppies of many varieties are grown to beautify homes and flower gardens. But over in China thousands of acres are grown to produce a dreaded narcotic responsible for so much misery and human degradation. Yes, there really is a great difference in the life and work in America compared to that in foreign countries.

Now, the poppies I am writing about are NOT the varieties China grows. I want to tell you about those with pretty flowers of gorgeous colors that will brighten up any flower garden with brilliant hues.

Poppy seeds must be sown just as early as you can work the ground, in March if possible. They could have been sown last fall as the seeds can stand low winter temperatures. They are so tiny, almost fine as dust, you simply rake the ground loose on top, broadcast the seed thinly and tamp the ground with a flat board. Old mother nature will do the rest for you.

Keep the blooms cut off until the last ones, then let them go to seed and next year you can still enjoy poppies. Volunteer plants will come up and bloom from self-sown seeds without you having to do a thing to them.

### For Best Keeping Results

Some folks complain about poppies not keeping very long when cut. It is true if you only cut them when in full bloom. But for best keeping results, cut when buds are starting to burst open and sear ends of stem over a flame, or dip the cut stems in boiling hot water, and they will keep nicely in your vases or bowls plenty long enough for flower shows or bouquets in your home. Be sure to cut early in the morning when it is cool.

The Latin name for poppies is "Papaver." There are many species, both annual and perennial. The Papaver Rhoeas include the Shirley poppies. They are native of Europe and the World War I renowned "Flanders Poppy of France" belongs to this

family. A great many brilliant scarlets and red colors not found in the Island variety are in the annual types.

The ICELAND poppy, native of Arctic regions, are perennials but usually are grown same as annuals. The flowers are fragrant, about one foot in height and come in yellow, white and deep orange colors. Sow the seed thinly where they are to be grown as most poppies resent being dug up and transplanted. You can thin them out so plants are about a foot apart and they are good for about 3 years in the same location.

### Effective in Large Beds

The CALIFORNIA poppy is the state flower of California. Flowers are bright tints of yellow and orange. Foliage is attractive silver-like and they bloom all summer until killing frost. They are most effective in large beds. Seeds can be sown in fall or real early in spring. They are easily grown by anyone most anywhere in a sunny spot.

ORIENTAL poppies are hardy perennials. They are found in Persia and eastward. Colors range from white thru many shades of pink, rose, red to scarlet and come in both single and double varieties. They can be grown from seed but seedlings seldom come true to color or type. Best way to propagate them is by root divisions. This can only be done in August or September. Cuttings can be taken only from mature plants at least 2 or 3 years old.

Oriental poppies thrive in any good garden soil, but it must be well drained as they resent soggy, wet ground. They do prefer full exposure to the sun and require plenty of room for development of roots, so do not crowd them in plantings.

I always get a quite a thrill out of watching the tiny wild canaries hanging on the dried-up stalks when the seed pods are ripe. They are the fussiest little birds in our garden, especially when getting a breakfast of poppy seeds. Oriental poppies are offered in named varieties with separate colors by nurseries and flower firms in the fall. Recommended varieties with their colors are these:

Purity and Fairy—soft pinks; Mrs. Ballejo, Mrs. Perry and Princess Victoria Louise—salmon; Winderkind—carmine rose; Joyce—cherry red; Lulu Neely and Beauty of Livermore—red; Henry Cayeux—lavender; Perrys White and Silver Queen—whites.

Oriental poppies will grow about 3 feet in height and usually bloom late in May or early June in this section. They need no special care after once getting them planted and established. Try planting some this fall.

(My next article is on Perennials From Seeds.)

### Tree Antics

Reaction of brush and trees to spraying with chemicals sometimes is unpredictable. Trees that have been sprayed during winter may put out a crop of leaves, then suddenly die. A report is made of a mulberry tree that had been sprayed; it bore a full crop of mulberries yet didn't have a leaf on it.

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## Who Are Rural Lifers?

Rural Life activities began in Kansas in 1934 with a group organized by Verneta Fairbairn, home demonstration agent in Montgomery county, known as "Sons and Daughters of the Soil." Interest in this type of organization "to bridge the gap between 4-H Club and adult Extension activities" spread rapidly and organization on a state-wide basis began in 1934 under the title of Kansas Rural Life Association. The association with a 4-point program of education, service, leadership and recreation, now consists of 34 local clubs with 2 directors in each of the 3 state Extension districts.

County agents assist local groups in organizing and have available materials to aid in planning local programs. Most recent group in the state to organize is in Kingman county, Velma McGaugh, assistant state 4-H Club leader in charge of Rural Life activities, reports.

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

A western regional Rural Life conference is to be held in South Dakota in May and a national Rural Life conference is scheduled for West Virginia in October. The Kansas association's annual meeting will be held in Manhattan, March 7 and 8, this year.

## What Will They Do Next?

(Continued from Page 1)

square dances for 4-H'ers. The county now has a 4-H Club agent, but Rural Lifers enjoyed this activity so much they are carrying right on. Now, many 4-H'ers are learning to call the dances. Rural Lifers also are directing teen towns and 4-H Club junior leader parties in Miami and Franklin counties.

These Rural Lifers set up an active and varied recreation and education program for themselves as well—and they do it a year in advance. Program books for the year are issued, including a directory of officers and committees. Then a committee of officers issues a monthly newsletter announcing coming events and summarizing past activities.

### Full of Enthusiasm

You're probably wondering how many there are in the Miami group, and what sort of folks they are to carry on such an ambitious program. There are just 19 in the county, but every one of them is as full of enthusiasm and ideas as John Lyder, for example, their president in 1949-50, and last year vice-president and program chairman.

"We were impressed with the importance of leadership training," Mr. Lyder tells us, "so in 1950 we launched a drive thru 4-H Clubs to raise funds for Rock Springs. 4-H'ers canvassed their home communities and competed with each other for the largest record of contributions. Indian Victor Club at Osawatomie turned in the largest amount for its size and as a reward, Rural Lifers were hosts to the entire club membership on a trip to Kansas City where we saw the Ice Capades."

High individual boy and girl in the county drive were given a trip to the state leadership camp. The \$800 went to buy chairs for the camp dining room.

You have made your organization "a credit to your united ability and ingenuity this past year," L. C. Williams, Kansas State College Extension service director, commented in a letter congratulating the Miami Rural Life Association following their presentation of the \$800 check for Rock Springs.

When the call for CROP came thru, Rural Lifers took the ball and contacted churches and 4-H Clubs, telling the story with talks and movies. A 2-month-long corn festival climaxed the drive. Corn was displayed and dealers gave prizes for best bushel of corn exhibited. CROP contributors brought their corn to the local elevator, where it was weighed in and the equivalent in money was added to the county CROP fund. Each contributor was given votes—for each ear of corn or penny donated—for the selection of a

CROP queen. Candidates in the queen contest were submitted by 4-H Clubs of the county. Climax of the corn festival was the crowning by the Rev. W. I. Hastie, Oskaloosa, district CROP chairman, of Patricia Prothe Peckman as the queen.

"Every spring we hold a dance for Miami Rural Lifers and members in surrounding counties," Maxine Prothe, treasurer for the group this past year, said in enumerating highlights of the Association's social calendar. "This year's dance was informal. We met at the Paola country club and between 80 and 90 Rural Lifers were there." The Miami group also visited clubs in Johnson, Douglas and Shawnee counties last year to attend dances.

At Christmas, Miami members exchange gifts and contribute toys and food for needy families in Paola. They assist during Red Cross and Cancer drives and operate a food booth at the Miami County Fair. Proceeds from the booth go to the Rural Life fund.

On Rural Life Sunday each year, the group attends church in a body and a

### For Mother

Kansas State College Extension Service has many leaflets of interest to women. We are listing a few which may be ordered from Kansas Farmer's Bulletin Service, Topeka. There is no charge, but the supply is limited.

Circ. 149—Pressing Trousers.  
 Circ. 150—Clothing Plan.  
 Leaflet 3—Pressing Made Easy.  
 Leaflet 8—My Child and Me.  
 Leaflet 10—Let's Sing.

Rural Life representative outlines the club's program. The Miami group is always well represented at the Kansas Rural Life conference, and at the Kansas-Missouri conference held each year during American Royal week.

"We went as a group to the Ozarks for our vacation 4 years ago and we've planned to do it again every year since," Margaret Bosley, treasurer for the coming year stated. "Last summer we even had the date set, but then we couldn't get reservations ahead and we couldn't talk the whole membership into going down anyway and taking our chances, but next summer we definitely want to go."

When they can meet outdoors, Rural Lifers enjoy hayrack rides, picnics, swimming parties, wiener roasts, square dances, and when time comes for indoor meetings, the group meets at the homes of its members for discussions of such lively topics as "Qualities of a Life Partner," "Communism vs. Democracy," "Personality or Poisonality," "United Nations." Other programs feature movies, color slides, and imported talent.

Membership of the Miami group is almost entirely unmarried. The ratio of women to men is about equal. Recently elected to take the group thru another interesting year were Fred Knoche, president; Roy Brocker, vice-president; Velma Schermbeck, secretary; Margaret Bosley, treasurer, and Maxine Prothe, reporter.

me that gnaws, is a rat. That is general; let us be specific and say "rat," which instantly stamps the rat as a destroyer of crops. The implication is that the rat is a pest and should be destroyed. The United States has a billion rats. The best have last once he has been in his yard and his cats had better reason to spend than to their dis. The residents of full will give hell's effort. That attain d if every resid out bait saturated

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## Marketing Viewpoint

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

Would you please give me some advice as to cattle and hog prices for the next 6 months?—P. K.

Because of large numbers of livestock on farms and high prices of feeds, number of cattle and hogs being marketed is large. Market receipts of both species probably will continue large during next 6 months. This will put downward pressure on prices.

This indicates hog prices will advance less than the usual seasonal amount between now and late February. Seasonal declines during early spring months probably will put hog prices back near \$18 level in late April and May.

Prices of fat cattle probably will be weak the remainder of this winter and spring. A large number of cattle are on feed but high feed prices and soft prices for slaughter cattle are causing feeders to turn cattle quickly to reduce risk of loss on feeding operations. If marketings continue heavy this winter and spring, number of well-finished cattle on market next summer and early fall may be rather light and price strength for grain-fed cattle may occur at that time.

Stocker and feeder cattle are in stronger position than fat cattle for next 6 months. Further declines are not expected for replacement cattle and some strength in prices may occur as grazing season opens.

Will corn prices go much higher?—L. K.

Corn prices are expected to work to somewhat higher levels between now and last part of April or first part of May altho they probably will remain near January 1 levels for the next month. At that time, the price will begin to adjust to new crop conditions. Between now and then, however, demand for feed grains will continue strong. Altho increasingly unfavorable livestock-feed price ratios will force some feeders to reduce operations, a sharp reduction under present conditions cannot be made overnight. Hog feeders, especially, will be reducing their operations unless some price adjustments are made. These adjustments would involve either hog price increases or corn price decreases.

Should corn prospects be very favorable, some reduction in corn prices can be expected after May. On the other hand, unfavorable crop conditions may force corn prices to still higher levels. After May, the condition of the crop will become increasingly important.

What will be the trend in egg prices? When can we expect egg prices to strengthen?—W. S.

It would appear we can expect very little possibility of any major strengthening in egg prices during the next few months. We can expect temporary increases in prices if stormy weather prevents orderly movement of eggs off farms to markets. However, there has been a substantial increase in poultry numbers on farms during the past year and number of young layers and pullets on farms this year is substantially above that of a year ago.

A good deal of this production already has been reflected in market receipts, and it is anticipated we will have still substantially larger receipts from these birds. It is expected the increase in supply of eggs reaching market the next few months will about offset any increase in demand for eggs and result in egg prices that will average near present levels if not slightly lower than current prices.

## Time for Plans

Winter days allow time to plan for remodeling or building. If interested, please send for the Kansas State College Extension bulletin, "Planning the Kansas Farmstead." It contains much valuable information on the subject. Let Kansas Farmer's Bulletin Service order a copy for you. There is no charge.

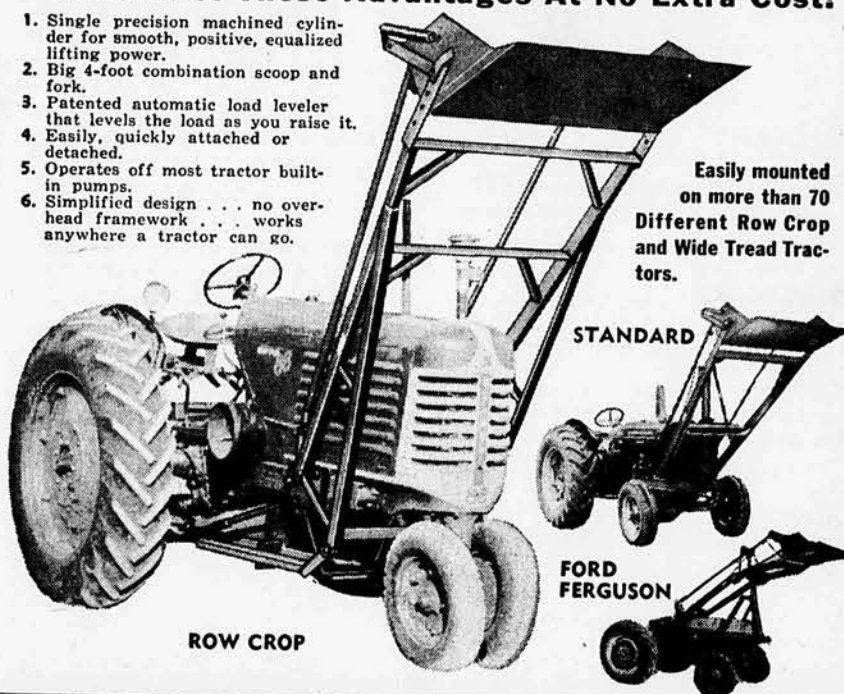
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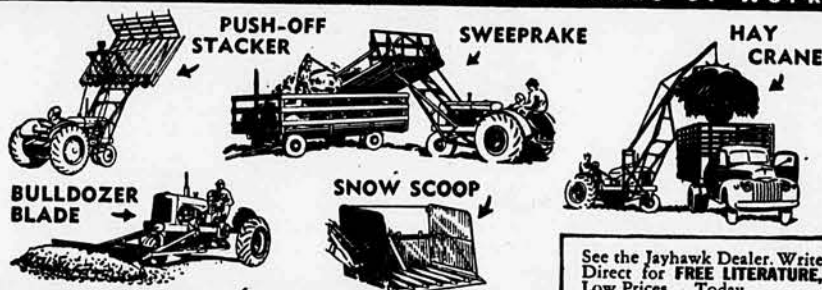
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## Here's What Happened During Kansas Farm Week

THE time may come when man can truly control rain and snow. This claim was made at the annual (January 9 to 11) meeting of the Kansas State Board of Agriculture, Topeka, by Dr. Vincent J. Schaefer, research scientist for the General Electric Co., Schenectady, N. Y.

"The sky is a vast reservoir of water," said Doctor Schaefer. "The time may come when we can tap that supply or turn it off, almost at will, thru cloud seeding." He explained by proper seeding, rain could be started under conditions where nature would not start it unaided. Also, by overseeding an area, clouds could be prevented from forming.

"Not enough information is now known," he said, "to determine whether cloud seeding in New Mexico, Colorado and Western Kansas last summer had anything to do with disastrous floods, but such possibilities should be studied."

### Five Points to Watch

In efforts to reclaim unproductive soil in Kansas we must give attention to 5 points, delegates were told by Dr. Harold Myers, head, department of agronomy, Kansas State College. The 5 points are: Erosion, low natural fertility of some soils, low rainfall in some areas, waterlogged areas, and flood-damaged areas.

"Our greatest area for improvement," he said, "is in Southeast Kansas, where natural fertility is low but where rainfall is ample. By building up that soil and properly fertilizing it, we can greatly increase production of the area."

### All Must Help

A strong Civil Defense program, in which every person would have a job to do and know how to do it, is the best defense weapon against the atomic bomb, delegates were told by Capt. Carroll P. Hungate, U. S. Naval Air Station, Olathe. He predicted that atomic energy, instead of destroying the world, might eventually lead to the solution to carrying the benefits now enjoyed in the U. S. to all the people of the world.

An entirely new thought was injected into the meeting by Wayne Rogler, well-known rancher from Chase county. He said: "Since 20 per cent or more of our income now goes to pay for government, perhaps we should plan to give 20 per cent of our time to the affairs of government. If our money is to be spent wisely we must help plan how it is spent, especially on the local and state level."

### To Save on Taxes

Tax savings are now possible thru a legal partnership with a son or daughter, delegates were told by Harold R. Schroeder, Topeka attorney. This has not been possible in previous years.

Fred Doyle, Shawnee county farmer, called for more co-operation among farm organizations, and for more effort all along the line to improve relations between the farmer and consumer.

### What Spraying Law Does

Vernon Woestemeyer, state weed supervisor, explained the new aerial spraying law, which requires a bond on each plane used, a license fee, makes the spray operator subject to civil suit for damages beyond the amount of his bond, and requires him to file records giving details on spraying operations.

Ray Hoss, Kansas State College marketing specialist, said cattle numbers are nearing the all-time high. Barring a widespread drought or some unforeseen Government regulation these will go even higher. He looks for increased slaughter during 1952, however, which may start the trend toward reducing cattle numbers, just as hogs are being liquidated today.

Arnold Jones, director, state division of administration, criticized the public for not supporting leaders who practice economy in government offices. "There are many monuments erected to war heroes, but none to those leaders who efficiently carry out the duties of government," he said.

### Looking for a Legume

Western Kansas is still looking for a legume that will grow there, said Embert H. Coles, superintendent, Colby Branch Experiment Station. New



WALTER A. HUNT, President  
Kansas State Board of Agriculture

trends in agriculture listed by him for Western Kansas included use of summer fallow for sorghums, increased use of silos, expansion of farm windbreaks, and more finish feeding of cattle.

### Honor to Throckmorton

Two special events highlighted the annual meeting. R. I. Throckmorton, dean of the school of agriculture and director of the Kansas Experiment Station, received the board's annual award for distinguished service to agriculture. Dean Throckmorton retires this year but will remain on the teaching staff at the college.

### Honor Crop Reporters

A second highlight was recognition of 31 voluntary crop reporters in Kansas who have donated their services for 35 years or more. S. R. Newell, head of the crop-reporting service at Washington, D. C., came to Topeka to pay tribute to these reporters. At a special luncheon in their honor, he said: "Any crop forecast put out is based on the judgment of many farmers. Practical use of the material includes a guide to farmers in planning their business."

Crop reporters honored, with their years of service listed, were: P. S. Thurston, Elmdale, 52; Merton King, Potwin, 49; A. H. Young, Hays, 49; Florent E. Bader, Jennings, 46; L. J. Biggs, Sedgwick, 47; Samuel Truan, Gorham, 46; R. C. Warren, Wellsville, 45; F. E. Rhodes, Caney, 45; Charles Harrington, Isabel, 45; Charles Conley, Kingman, 42; C. M. Jennison, Healy, 41; George Dittmeyer, Severance, 41; C. Culp, Jr., Troy, 41; H. H. Hare, Freeport, 41; H. S. Ochs, Bison, 40; Ben Preston, Burlington, 40; Eldon W. Fletcher, Mound City, 40; W. E. Latimer, Lyons, 40; George H. Cook, Larned, 40; E. L. Barnhart, Iola, 40; A. J. Abler, Hanover, 39; Claude Smith, Rantoul, 38; G. E. Bengston, Assaria, 37; Gilbert G. Brown, Kanona, 37; H. B. Fry, Ashland, 36; W. C. Joy, Hays, 36; H. W. Gregory, Syracuse, 36; A. B. Palmer, Derby, 36; Fred T. S. Ansdell, Jamestown, 35; V. A. Jones, Mankato, 35; E. A. Carlgren, Scandia, 35.

### Hunt Is Board President

In all 4 districts where election of board members came up this year the present board members were re-elected. They were Paul Wempe, Seneca, 1st district; Elmer McNabb, Pleasanton, 2nd district; R. C. Beezley, Girard, 3rd district, and Milton E. Rohrer, Abilene, 4th district.

In the annual reorganization meeting of the state board Walter A. Hunt, Arkansas City, was advanced to the presidency. William Condell, El Dorado, was elected vice-president, and Lew Galloway, Wakeeney, treasurer. Roy Freeland was reappointed as secretary for 2 years.

### Condell Heads Fair Board

William Condell was elected president of the Kansas State Fair board. He succeeds Perry Lambert, Hiawatha, who resigned because of ill health after having served 8 years. Everett E. Erhart, Stafford, was elected vice-president and R. C. Beezley, Girard, was

(Continued on Page 29)

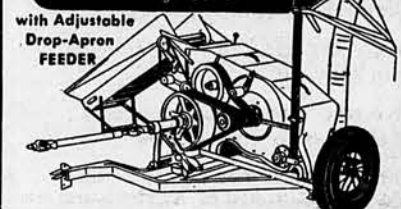
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ROY FREELAND, Secretary  
Kansas State Board of Agriculture

re-elected treasurer. Harold E. Staadt, Ottawa, was elected to the board for 3 years.

Highlights of resolutions adopted at the annual Board of Agriculture meeting are as follows:

Pledged support of a national preparedness program.

Noted all farm products are below parity, and that an hour of labor in America purchases from 2 to 7 times as much food as in any other country.

Asked that the national budget be drastically cut, and that a balanced budget be had by limiting expenditures to national income.

Urged county commissioners to give careful attention to 1952 re-assessments of land and property damaged by floods.

Urged acceleration and intensification of soil-erosion control and water-flow retardation by USDA, provided people whose property or other interest

are acquired for reservoirs, floodways and other flood-control measures be compensated to an extent of re-establishing them as a going concern under similar circumstances.

Asked Kansas State College to study potentials of weather modification.

Asked for legislation to strengthen rights of farmers against trespass or damage by hunters and fishermen and to tighten requirements for permission to hunt, fish and trap on premises of another. Also asked for cancellation of license or permit upon conviction of violation.

Asked for provision to allow stricter enforcement of act requiring public eating houses to inform customers where butter substitutes are used.

Urged adequate funds for agricultural research and education.

Favored legislation to require proof of financial responsibility before obtaining drivers license or motor vehicle tag.

Asked for revision of regulations that prevent welfare clients from helping themselves with part-time work.

Asked for legislation to encourage farm property owners thru tax adjustments to improve rather than destroy farm building.

Approved advertising program of American Dairy Association and approved one cent set aside to help pay cost.

Asked that companies engaged in drilling exploratory holes for gas and oil be registered or licensed on a county level, and that records of drilling locations be filed in office of register of deeds so officials can see that such holes are properly plugged.

Commended officials who have been aggressive in efforts to expose and remove from office those whose unfitness is established.

Recommended adoption of changes in Federal Crop Reporting service to include semimonthly reporting for June and July winter wheat crop yields.

Gratefully and humbly acknowledged the accomplishments of the late Senator Arthur Capper in behalf of the farm industry.

## Higher Milk Prices But Costs Up, Too

DAIRYMEN attending the Kansas State Dairy Association meetings in Topeka, January 9 and 10, were told milk prices may be somewhat higher in 1952, but higher costs will keep net income about the same as in 1951. This prediction was given by H. L. Collins, Federal-State statistician for Kansas.

"The dairy industry hasn't recovered yet from the impact of the rollback, and the feed subsidy method of paying for butterfat during the war," said E. E. Haskell, of the Beatrice Foods Co., Chicago. "Just 6 years ago," he said, "the Government paid 5 cents of the cost of butter in a subsidy to creameries, which they passed on to farmers, and at the same time paid 17 cents a pound butterfat in the form of feed subsidy on butterfat for churning, and 60 cents a hundred on milk. This hurt consumer acceptance. Now consumers are being asked to pay these costs in addition to the other rising costs of our inflationary period."

### Biggest Show at Fair

The dairy show at Kansas State Fair is the largest one on the grounds, dairymen were told by Perry Lambert, president of the Kansas State Fair board. More than \$15,000 in premiums were paid out at the dairy show last fall, he said. The dairy bar at the fair sold 979 gallons of ice cream in the form of 8,500 malts, 25,796 servings of ice

cream. It also sold 20,262 bottles of milk and 12,313 cheese sandwiches. A better supported dairy products display at the Fair is needed, he said.

"Many things being done by the dairy industry today were considered visionary 5 years ago," said Professor F. W. Atkeson, head, dairy husbandry department, Kansas State College. "Dairying is changing that fact," he said. "Our big job is to keep prices high enough to insure a profit on the large investment required, and yet not so high as to scare off consumers," he advised.

R. E. Frost, of the American Dairy Association, said dairymen need to spend still more money on advertising if they want dairy products to compete with other products on the market. Those at the meeting reaffirmed their desire to set aside 1 cent per pound of butterfat for 60 days each year to pay for such advertising.

P. D. Turner, Sabetha, was re-elected president of the Kansas State Dairy Association. Other officers re-elected were: Ninck Fennema, Winfield, vice-president, and H. E. Dodge, Topeka, secretary-treasurer.

Re-elected to the board of directors were: Fennema, representing independent dairy plants; Edward Hunt, Kansas City, milk distributors; J. C. Page, Coffeyville, evaporators, and Willard Haskell, Topeka, ice cream manufacturers.

## Miller Heads Fairs

A NEW law that takes the 20 per cent federal tax off grandstand and general admission ticket prices at fairs was discussed at the annual meeting of the Kansas Fairs Association, in Topeka. Everett Erhart, secretary of the association, said most Kansas fair organizations could benefit from the law if they turn profits back into permanent installations.

Virgil Miller, secretary of Kansas State Fair, Hutchinson, was elected president of the Kansas Fairs Association. Harold D. Shul, St. Francis, was elected vice-president, and Everett E. Erhart, Stafford, was re-elected secretary for the fourth year.

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Kind of Chickens	Livability Per Bird Average	Avg. Eggs Per Year
Hy-Line Hybrids	87.1%	215.4
White Leghorns	78.9%	171.2
Barred Rocks	83.1%	162.4
White Rocks	79.8%	114.8
New Hampshire	85.2%	140.0
7-Year SUMMARY: Hy-Lines vs. Standard-Breds	87.1%	215.4
Standard-Breds	81.7%	155.6
<b>HY-LINE ADVANTAGE PER YEAR . . .</b>	<b>5.4%</b>	<b>59.8</b>
	<b>Better Livability</b>	<b>More Eggs</b>

Raise Hy-Line Hybrid chicks this spring. Take advantage of profitable egg production ability.

Send for FREE HY-LINE CHICK CATALOG, TODAY



### J. O. COOMBS & SON

Producing Hy-Line Chicks from Parent Stock developed by Hy-Line Poultry Farms, a department of Pioneer Hi-Bred Corn Company  
Box 6, Sedgwick, Kansas

#### • BABY CHICKS

**BREEDING FARM QUALITY CHICKS**  
**PRICED LOW AS 1/3 LESS**  
You start with breeding from one of America's finest pedigree breeding farms with these AAAA chicks in your laying house. Product of over 25 years trapezing & a million dollars investment.  
**260-340 EGG BREEDING**  
New purebred SNOW-WHITE-EGG strain crosses; content-proved Leghorns, Rocks, Hampshire and crossbreds. Also Chicken-of-Tomorrow Contest winning broiler strains. DISCOUNTS FOR EARLY ORDERS. Write  
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**GREAT PLAINS HATCHERIES**  
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#### Wonderful POULTRY BOOK

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**GREAT WESTERN HATCHERY, Box 34, Salina, Kans.**

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### TURKEY POULTS

Broad Breasted Bronze and Beltsville Whites. Championship bloodlines in national and dressed shows. Tube tested. Low-cost gains, early maturity, higher market quality. Superior breast fleshing. Early savings now. Circular free. **COLONIAL TURKEY HATCHERY, Box T, Lamar, Colo.**

**MORE MONEY MAKERS WITH DeFOREST**  
**BLUEBLOOD BROADBREASTED TURKEY POULTS**  
BROADBREASTED BRONZE WHITE HOLLAND BELTSVILLE WHITE  
ALL POULTS U.S. APPROVED PULLORUM PASSED. FUSE TESTED UNDER KANSAS PLAN.  
**ORDER NOW OR WRITE TODAY**  
**DeFOREST HATCHERIES**  
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#### • BABY CHICKS

**MORE MONEY MAKERS WITH DeFOREST**  
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BROILER AND EGG STRAINS AVAILABLE YEAR 'ROUND PURE AND CROSS BREDS . . . MEAT AND EGG STRAINS Master Control Breeding Assures Chicks That Live and Grow Turkey Poults in Season  
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### I'LL SEND YOU 25 BERIGOLD CHICKS

To prove to yourself that Berry's New Cross-breed Creation:  
• Lay more eggs than any purebred or inbred.  
• Grow faster and make more profit than any broiler.  
• Are more rugged than any chicken ever raised.

**FREE GIFT CERTIFICATE AND CATALOG**

**ERNEST BERRY, Box 623, Newton, Kansas**

## CHICKS ROP SIED

US Approved Pullorum Passed AAAA Quality White Leghorns AAA Quality  
New Hampshire; White Rocks; White Wyandottes; Production Reds; Buff Orpingtons; Austrias and Hamp. Whites; also Del-Hamps and Eureka for broilers. Live delivery guaranteed. FREE literature.  
**ZERKEL HATCHERY, Dept. 5, Humansville, Mo.**

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

#### • BABY CHICKS

Hatching Winter and Spring—Thousands of U. S. pullorum passed, AAAA, super quality chicks; immediate or future delivery. White Leghorns, Austrias, Whites, Hamp-Whites, Buff, Miscorcas, straight runs, \$9.90; pullets, \$16.00; cockerels, \$6.95. White Rocks, Barred Rocks, New Hampshire, White Wyandottes, Rhode Island Reds, Production Reds, Delaware-Hamps, \$10.90; pullets, \$14.90; cockerels, \$10.90; heavy assorted, \$7.90; cockerels, \$8.90; assorted, \$5.49; prepaid live arrival guaranteed. Started chicks of above breeds, 4 week old, straight runs, \$25.90; pullets, \$29.90; cockerels, \$25.90; 6 weeks old pullets, \$39.90. Newcastle vaccinated. Immediate or future delivery. F.O.B. Ideal Hatchery, Box 191, Garden City, Mo.

Raise Coombs Chicks. Get high egg production breeding. Real ROP trapnest-pedigree farm. Top quality in White Leghorns, Austrias, Whites, White Rocks, Coombs Leghorn chicks, 250-325, eggs sired for 30 years back. First generation, strain-crossed vigor gives wonderful boost to livability; production. Coombs Austrias-Whites, High-speed layers. High egg production ROP breeding. Real crossbred vigor. Kansas State College strain White Rocks, 100% fast feathering. Excellent layers. Wonderful meat birds, all ages. Ideal dual-purpose strain. All chicks U. S. Pullorum Passed. Hatching now. Early order discount. Free circular. Write today. Coombs & Son, Box 6, Sedgwick, Kansas.

Best Quality AAA and AAAA chicks. Fast broilers. Profitable layers. 100% pullorum tested. New Hampshire red, White Rock, Barred Rock, Wyandottes, Production Reds, Austrias-Whites, Large Type, White Leghorns, \$9.95 per 100. Heavy cockerels, \$7.90. Pullets, \$14.95. Hybrid cockerels, \$3.95. Leftovers, \$2.95. Free catalog, 100% alive. Pleasant View Hatchery, Gerald, Mo.

Chicks on a 30 Days Trial Guarantee. All varieties Missouri approved. B.W.D. bloodtested. Easy buying plan. Low prices. Chick manual free. Missouri State Hatchery, Box 171, Butler, Mo.

Baby Chicks—None better. 30 varieties, blood-tested, healthy and vigorous. Rush postal. beautiful book. Low prices. Albert Freise, Route 12, Salina, Kan.

#### • AUSTRIA-WHITES

Production-Bred Austria Whites. Spectacular layers, fast-growing broilers. Super-test egg breeding. High livability, yield. Catalog free. Missouri State Hatchery, Box 143, Butler, Mo.

#### • DUCKS AND GESE

DeVries Mammoth White Pekin Ducklings will make money for you in '52. Free catalog and special prices for early orders on request. Write DeVries Poultry Farm, Zeeland, Mich.

White Embden Geese—Choice breeding stock. Each \$6.00, trio \$16.50. Michael Simon, Farley, Ia.

Toulouse White Chinese Geese. \$7.50 each, \$20 trio. Ann Myers, Plato, Mo., Huggins Route.

#### • POULTRY—MISCELLANEOUS

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

#### • POULTRY SUPPLIES

For Sale—Slightly used 20D Petersime Incubator. In first class working condition, capacity 19,000 chicken eggs. Price \$1,000. Red Cloud Turkey Hatchery, Red Cloud, Nebr.

#### • FARM EQUIPMENT

Booms All-Purpose Wagon Unloader. Inexpensive, easily attached to your present wagon. Unloads five tons in seven or fourteen minutes. Free literature. Booms Silo Co., Harbor Beach, Mich.

Wire Winder. Roll and unroll wire with tractor power and speed. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minnesota.

Coil Wire, bale ties, baler twine for sale. John Deere wire \$8.50 two spools. Osborn Hay Milling Company, Oshkosh, Wis.

#### • MACHINERY AND PARTS

5 Carload Treated Baler Twine \$13.25 per bale. Also binder twine. Why pay \$3.00 per bale more money, 17 Jewel watch with purchase 100 bales. Big discount to dealers. Bob Stone, Phone 838, Charlton, Ia.

One-Way and Disc Grinders. Costs so little, so easy to operate that you cannot afford to use dull discs. No dismantling. Write for circular. Tri-State Automotive Co., Kimball, Nebr.

For Sale—Model M International tractor, '46 model, wide front, adjustable axle; also front standard attachment. In excellent condition thru-out, \$1,650. Frank Vacin, Colby, Kan.

1948 Model 14 Foot Self Propelled M & M Combine \$2,285.00. Older combines at close out prices, \$100.00 to \$125.00 each. Write for list. J. H. Rea, Minneola, Kan.

Headquarters New-Used Tractor Parts and Accessories. Free 1952 catalog. Merchandise guaranteed. Prompt service. Acme Tractor Supply Company, Lincoln, Nebr.

New and Used Tractor Parts. Write for big, free 1952 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Co., Des Moines 3, Ia.

1947 1-9 Tractor; 1948 Self-propelled Combine; 1948 truck, all International. Excellent condition. Mrs. Helen Heinen, Cawker City, Kan.

#### • MACHINERY WANTED

Want Good Allis Baler. Claude Talley, Wetmore, Kan., Phone 147.

#### • ELECTRICAL EQUIPMENT

Light Plants, Generators, Air Compressors. Low prices. Free catalog. Wellworth Trading Co., 1832 So. Wabash, Chicago 16, Ill.

#### • LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milk and Short-horn, 1 or average farmer. Milking Short-horns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm. Write for Facts and Free sample copy of Milking Short-horn Journal. American Milking Short-horn Society, Dept. KF-5, 313 So. Glenstone, Springfield 4, Mo.

#### • DOGS

Male-Female Pekingese, registered, black, fawn, \$30.00. Louise Raynor, Clarinda, Ia.

#### • RABBITS AND PIGEONS

Earn Up to \$400 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark 71, O.

#### • EDUCATIONAL

**AUCTION SCHOOL** Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 17 years in operation. Don't be misled. Term soon. Free catalog. Write **REISCH AUCTION SCHOOL, Mason City, Iowa**

Be An Auctioneer. Term soon. Write for information. Missouri Auction School, 3241 Paseo, Kansas City, Mo.

#### • AGENTS AND SALESMEN

Agents Can Make Big Money selling our oneway and disc grinder. Write for proposition. Tri-State Automotive Co., Kimball, Nebr.

## KANSAS FARMER Classified Advertising WORD RATE

10c per word each issue. Minimum—12 words. Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis

Column	Cost Per Line	Column	Cost Per Line
1 inch	\$4.00	2 inches	\$19.60
1/2 inch	9.50	3 inches	29.40

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

Kansas Farmer, Topeka, Kan.

#### • SEEDS

## ALFALFA SEED

Hardy Northern Processed Alfalfa Seed, \$29.85; Sweet Clover \$7.50; Red Clover \$22.80; Timothy \$6.75; Ladino \$69.60; all per bushel. Brome, \$28.00 cwt. Many other seeds. Lowest direct to you prices, quick service, satisfaction guaranteed. Save money—send postal now for catalog, prices, samples. **JACK BOWMAN, Box 615, Concordia, Kan.**

Berry's Sensational new Gro-Coated brand seeds give you greater insurance of better stands and bigger crops. Most amazing farm crop development since hybrid corn. Gro-Coated brand seeds tested and proven on thousands of farms nationwide. Write for free circular containing full details and special early season bargain prices. Western Alfalfa as low as \$22.50 bu.; Grimm, \$32.70; Red Clover, \$24.30; Sweet Clover, \$7.50 Alsike, \$28.50; Timothy, \$6.95; Ladino, \$122.50 cwt.; Brome, \$28.00 cwt. All prices for Gro-Coated brand seeds. All seeds tested and guaranteed satisfactory. Free catalog and samples. Write today. Berry Seed Co., Box 484, Clarinda, Ia.

King Ranch Bluestem Grass Seed. Planting instructions and prices. Guy Hutchinson, Uvalde, Tex.

#### • PLANTS AND NURSERY STOCK

Red or Black Raspberries—Heavy 1 yr., 10—\$1.00. Apple or Peach Trees, leading varieties 2-3 ft. 5—\$2.25. Concord or Niagara Grapes, 1—\$1.00. New Armore Strawberry, 100—\$2.00. Improved Bush Cherry, 3—\$2.25. Giant Victoria Rhubarb—large, 10—\$1.00. Washington Asparagus 2 yr., 25—\$1.00. Van Houtt Spirea, Forsythia, Deutzia, Red Weigela, one each of all four, \$2.15; 2 each, \$4.20. All prepaid. Color catalog free. Sims Nursery Farms, Hannibal, Mo.

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 for free colored catalogue. East's Nursery, Amity, Arkansas.

#### • FLOWERS AND BULBS

Houseplant Cuttings—10c each. Lenore Minyard, Rt. 1, Tusahoma, Okla.

#### • FERTILIZER

Rock Phosphate. For immediate and permanent results use highest test, finest ground Golden-Glo powdered rock phosphate. Quality guaranteed. Request prices, literature. Dealers wanted. Eaton-Mann Phosphate Company, Joliet, 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.**

## 20 DECKLEDGE REPRINTS 50c

6-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete prices.

**TINY'S PHOTO SERVICE**  
Box 1068-KF Topeka, Kan.

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

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

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

#### • OF INTEREST TO WOMEN

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.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 4911 E. 27th St., Kansas City, Mo.

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

#### • FOR THE TABLE

**HONEY** Mixed 60-lb. Can **\$10.50**

Extracted—Pure as bees can make it. 60-lb. Can Clover, FOB, \$12.00. 60-lb. Can Mixed, FOB, \$10.50. 12-lb. Can Clover (Postpaid to 600 mi.), \$8.50. 12-lb. Can Mixed (Postpaid to 600 mi.), \$8.50. Order Promptly — Supply Limited. **HAHN APIARIES, 1715 Lane St., Topeka, Kan.**

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

Strawberry Popcorn looks like strawberries but larger, 4 ears 50c cash postpaid. John-de-Haan, 3144 Eastern Ave., Grand Rapids, Mich.

**February 2  
Will Be Our Next Issue**

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

**Friday, January 25**

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



**FEATHERS WANTED**

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

**REMEDIES—TREATMENTS**

Latest Methods treating Piles, Fistula, Colon, Stomach disorders. Write for free book. McCleary Clinic and Hospital, E140, Excelsior Springs, Mo.

**BUSINESS OPPORTUNITIES**

Free information how to grow and sell Ginseng and Golden Seal. Ginseng Gardens, Asheville, N. C.

**WANTED TO BUY**

Wanted: Horse Hair, Tail and Mane. Rabbit skins, wool, pelts, beeswax, raw furs. Write for prices, shipping tags. Sturges Co., 2630 "N" St., Omaha, Nebr.

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

Wanted Electric Lighting Plants, alternating current, any make, size. Mr. Conklin, 105 East Bethune, Detroit, Mich.

**FARMS—MISCELLANEOUS**

60 Acres Southern Arizona, 20 miles from Douglas and Bisbee on paved highway, 40 acres under cultivation, 5-room brick house completely furnished, and other buildings. Entire farm 3 years old. Complete with electric irrigation pump, John Deere "B" tractor, cultivator, plow, disc harrow. Land ideal for cotton and chili. School bus to door. Mild year-round climate. Price \$20,000 cash. Owners, W. L. Holman, P. O. Box 119, McNeal, Ariz.

United Farm Agency's big free winter catalog of farm and country real estate bargains can help you plan soundly for your future security in the country. Good pictures, many states, easy terms, many equipped, feed and hay included. For special service, state requirements, desired location. Write for your catalog today. It's free! United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

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

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

665 Acres Cheyenne County, Colorado. On State Highway. Modern 7-room house. Good wheat soil. Price \$55,000 acre. Part terms. Louis Miller, Frankfort, Ind.

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

**OF INTEREST TO ALL**

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

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

Toilets, Cesspools, Septics cleaned, deodorized with Solvex. Saves digging, moving. Details free. Solvex, Monticello 6, Ia.

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

**A Raindrop Is Powerful**

A raindrop carries a powerful wallop! When a drop hits the ground, it's like a miniature bomb exploding—and soil is splashed into the air! That's where the raindrop is an enemy of agriculture.

Destructive actions of raindrops differ according to types of storms, comments the University of New Mexico. Since raindrop splashes are too fast for the eye to detect, they escape charges of damage which wrongly fall to "surface" water.

What are some of the harmful effects of raindrops? Here are some: (1) loss of topsoil over bare surfaces of sloping fields; (2) some gully erosion; (3) splash erosion also puddles the surface of some soils and causes the surface to seal over, thus practically waterproofing the land and causing most of the rainfall to run off; and (4) washing out or floating away of clay fractions of soil—when these wash away and coarser sand grains are deposited or left behind, a sterile sandy topsoil remains. Surface sealing may cause poor soil aeration, destroy worm life and interfere with microbial action within a soil and impair the land's productive capacity in other ways.

"Certain measures which can help check and control this puddling effect of raindrop splash should be important 'firsts' in considering a program to recharge underground reserves," conclude the soil specialists.

**Honor 4-H Clubs For Recreation**

For conducting outstanding 4-H recreational programs, 12 counties have won cash awards of \$25 each. The money is to be used to purchase recreational equipment from the awards sponsor, United States Rubber Company. The counties honored are Barton, Clay, Crawford, Ford, Finney, Edwards, Ellsworth, Franklin, Greenwood, Seward, Johnson and Shawnee. Twenty-six clubs won blue ribbons for outstanding programs in 4-H recreation.

**IN THE FIELD**

**MIKE WILSON**  
Topeka, Kansas  
Livestock Editor

**WILLIS HUSTON**, Americus, has at the head of his Duroc herd the well-known boar, Master Construction. This boar came to the Huston farm after an extensive search. There have been many good sires used at the Willis Huston farm and there have been many of the top boars of the Duroc bred by W. R. Huston of Americus. W. R. Huston and his son, Willis, were associated together for several years before W. R. retired from the hog business. During the time W. R. Huston was active as a Duroc breeder, he probably sold more Durocs on order and shipped them to more states than any breeder in the Midwest. The Hustons have used many tried sires and when Master Construction came to Kansas he was selected because of his ability as a sire and because he is a boar of the right type. Willis feels sure he is the best boar he has ever owned, and others who know Durocs are very favorably impressed with him.

Master Construction is the \$1,900 Illinois junior and reserve champion of 1949. He sired the 1950 Minnesota junior champion that sold for \$1,000. His picture was used by the United Duroc Record Association in their promotion work. He has sired many show individuals and 41 gilts bred to him sold for an average of \$258.81 in February, 1950, which was the top sale of bred gilts of the year. Sire of his dam is Construction Type, the 1946 Indiana junior champion. A full sister of his dam was the 1948 Illinois junior champion sow and she topped both open gilt and bred sow sales of all breeds of that year.

Willis states present express rates are a real handicap for purebred hog breeders. He lays this basis on the many letters he has received from former customers who all comment on it when hogs must be shipped any distance. This breeder will not hold a bred gilt sale or a sale of fall farrowed boars and gilts in April but is definitely planning a fall sale of spring farrowed boars and gilts.

All 4-H members and FFA chapters of Jackson, Nemaha, Brown, Atchison, Leavenworth, Jefferson, Shawnee and Pottawatomie counties should pay particular notice to the **MILT HAAG HEREFORD HOG AUCTION**, at Holton, on February 15. He is giving 4 of his very best fall open gilts to 4 lucky 4-H or FFA chapters—if your club or chapter can win by getting your friends or neighbors to buy gilts in this auction. Ten points credit will go to each club or chapter for each gilt purchased by anyone in your community. Number of points will determine the lucky winners. Mr. Haag states the winner can have breeding privilege to either of the top boars on his farm. One winner in each county only can win an open gilt with privilege to leave them at the farm and breed them to Front Row, the 1950 National grand champion or to Domino 1, the 1951 National reserve grand champion.

Members of the **MILKING SHORTHORN CATTLE** fraternity of Kansas and adjoining states will regret to learn that M. H. Peterson, Junction City, one of the most successful breeders of Kansas, will disperse his herd on February 20. The Peterson herd was established at Assaria, and into its development has gone 20 years of honest and diligent effort. During the past 6 years, Mr. Peterson has maintained the herd on a farm 12 miles east of Junction City. This sale offering are descendants of ancestors that have made the breed famous. Production records have been made for the past 8 years. He has been using strictly top bulls in this herd. The present herd sire is from the John B. Gage herd, at Eudora, and both its sire and dam received "Excellent" ratings.

The **SOUTH CENTRAL KANSAS HEREFORD ASSOCIATION** held their annual banquet and business meeting December 6, at Newton. Business of the evening included election of officers: Harold Gingress, Sedgwick, president; J. R. Mayall, Valley Center, vice-president, and Phil Adrian, Moundridge, secretary and sales manager. Bruce Behymer, Wichita Stock Yards, was the speaker of the evening.

The annual state meeting of the **MILKING SHORTHORN SOCIETY** will be held at McPherson, in the Warren Hotel, on Thursday, January 24. Present officers of this association are: President, Locke Theis, Dodge City; vice-president, Walter Otte, Great Bend, and secretary, C. O. Heldebrecht, Inman.

**Farming "Firsts"**

**First Processing** of condensing milk was the invention of Gail Borden, an American, in 1856.

**First Hereford Cattle** to be introduced into America was in 1817, by Henry Clay.

**First Remedy** for milk fever disease in cattle was discovered in 1877, in Denmark, by J. Schmidt.

**Original Iron Men:** In the 1880's, steamers were star performers in agriculture. Their black sides glistening in the sun, chimneys belching smoke, their whistles signaling across fields—they were the original "iron men" of agriculture, comments J. I. Case Co.

**Long, Long Ago:** Artificial fertilization of animals is said to have originated in the 14th century, in Arabia.

**Ancient Industry:** Iron nails were used as far back as the Roman occupation of Britain. There the forging of nails was an industry of some importance up to the end of the 17th century. This industry gave way to the cut and machine-headed nail.

**REGISTERED HAMPSHIRE HOG**

**SALE**  
**Feb. 11**  
**1952**

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

Sale starts promptly at 12:30 p. m.

at the farm, 7½ miles northwest of

**WAMEGO, KANSAS**

**JOHN E. GAREIS & SONS, Wamego, Kansas**

**REGISTERED HEREFORD HOG AUCTION**

**February 15, 1952**  
**HOLTON, KANSAS**



71 Bred Gilts

10 Open Gilts—10 Fall Boars

Our bred gilts have been bred to Front Row 1950 National grand champion and grand champion at the Nebraska Fair and to Domino 1, the 1951 National Reserve grand champion. These 2 boars are "TOPS" in Hereford Hogs. Gilts in this sale are sired by Front Row and bred to Domino. At the opening of the sale we will sell 7 good Milking Shorthorn bull calves. 3 are registered 4 purebred but not registered, ages are from 11 months to 6 months old.

WRITE FOR CATALOG

**MILT HAAG, Holton, Kansas**

**HOGS**

**DUROC BRED GILT SALE**  
**February 6, 1952**  
**Norcat, Kansas**

Will sell 50 Bred Gilts and  
10 Fall Boars and Gilts

Gilts are bred to farrow February and March. Sale will be held at the farm 2½ miles south of Norcat.

Write for information and catalog.

**WELDON MILLER & SON**  
NORCAT, KANSAS

**HOGS**

**KANSAS Duroc**  
**BREEDERS STATE SALE**  
**Garden City, Kansas**  
**February 5, 1952**

50 Bred Gilts and 8 Fall Boars

4-Hand FFA judging contests. Show at 10:30 A. M. Sale 1:00 P. M.

For catalog write:

**HERMAN POPP, Sec., Haven, Kan.**

**MARTIN'S BEST OFFERING OF**  
**DUROC BRED GILTS**

50 Duroc Bred Gilts  
5 Fall Boars Sell on

**February 9—1:30 p.m.**

Purebred Livestock Pavilion

**So. St. Joseph, Mo.**

Gilts farrowing in February, March, April  
**TWO GREAT BOARS**  
Gilts bred to The 49er (sire of Missouri top-selling Duroc gilt 1951) and our Potter bred Star Velvet boar.

Offering double immune for cholera.

For catalog write  
**EARL MARTIN & SON, DeKalb, Mo.**

**REGISTERED Duroc BRED GILTS**

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

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

**REG. SPOTTED POLAND CHINA**  
Choice Fall Boars and Gilts with plenty of length, deep sides and deep full hams sired by Kansas Model and Majestic Duke. New bloodlines. Unrelated pairs. J. V. Cundiff, Talmage, Kansas. (4½ miles north.)

**TWO GREAT Duroc SALES**

**JAYHAWK FARM**  
**THURSDAY, JANUARY 24**  
at 1:00 P. M.  
**NEW 4-H BARN**  
**MOUNDRIE, KANSAS**

and T. V. Schneider & Jayhawk Farm  
**TUESDAY, JANUARY 29**  
at 1:00 p. m. at Schneider Farm,  
11 south and ½ west of  
**ALBERT, KANSAS**

Selling 100 Bred Gilts and  
20 Fall Boars and Gilts

**RALPH SCHULTE, Owner of Jayhawk Farm**  
Little River, Kansas  
Tom Sullivan, Auctioneer

**SHEEHY'S ANNUAL Duroc BRED GILT SALE**

Sale at the Welty Brothers Sales Pavilion

**Nevada, Missouri**

**Monday, February 4**

**50—CHOICE BRED GILTS—50**

These gilts will farrow in February and March. Bred to Admiral, a good son of Liberator; Star Heir by Golden Star the Iowa junior champion. Good big growthy gilts bred right and fed right. They will sell at reasonable prices, don't miss this sale.

Please write for catalog.

**C. M. Sheehy & Son, Richards, Mo.**

**YORKSHIRE GILTS**

Registered and Vaccinated. Open or bred for February to April farrow. Farm located on west side of Cawker City, Kan.

**CHARLES H. BECKER**



**HOGS**  
 **Reg. O I C Hogs**  
 Chester Peterson  
 Osage City, Kan.

**Dual-Purpose CATTLE**  
**BULLS** REGISTERED  
 MILKING SHORTHORN  
 3 months to 9 months.  
 ROY BUNGER, Council Grove, Kansas

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

**SHEEP**  
 FOR SALE—REGISTERED  
**HAMPSHIRE BRED EWES**  
 Lamb soon.  
 ROY F. GILMORE, Rt. 3, Peabody, Kan.

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 Auctioneer and  
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 1529 Flann Avenue Topeka, Kan.

## Need More Farm Products To Fill 1952 Demand

**S**TEPPED-UP production goals and ways of achieving them were explained at district agricultural mobilization conferences across Kansas in January. We need to realize the top place of meat production in the state's agriculture, Dr. R. F. Cox, Kansas State College told the gatherings. This industry, he said, could be expanded 25 per cent without changing our cropping system or overstocking our land. Do it by keeping the sorghums and alfalfa we are shipping to other states, feeding out stock for market, and moving that meat production back to Kansas which belongs here.

Five million head of cattle were called for in Kansas by Dr. P. H. Stephens, Farm Credit administration, the increase to take care of the Nation's annual baby crop now reaching 2½ million.

Crop goals were announced by H. L. Collins, agricultural statistician, based on surveys of 1952 needs by various state and national agencies. Right down the line, wheat, corn, oats, barley—in practically all cases, the report called for increased acreage and yields.

There are plenty of feeding systems practical in Kansas to utilize almost all feed produced here, Doctor Cox emphasized. Yet we continue to ship out our feed crops and bring in concentrates from other areas that actu-

ally cost us more to feed. He cited especially alfalfa, 3½ pounds are equal in protein feeding value to a pound of cottonseed meal. Alfalfa earlier in the season was a much better buy than cottonseed meal. Sorghum has proved essentially equal to corn in feed value, even more valuable as a hog feed in some cases.

The increased cattle population of the state was noted by Doctor Stephens, who estimated it would run well over 4 million head for 1951. We can produce 5 million head profitably if we can assure feed supplies, he added.

In 1952, marketing probably will continue low, due to the large cow and heifer population, but slaughter increases are expected in following years. We need to make plans now to raise feed and forage required to maintain 5 million head of cattle in Kansas a few years hence. State cattle production reached 4½ million in 1944.

Mr. Collins said crop production goals can be achieved by using now idle acres, and getting increased yields. Corn and grain sorghums, he said, should be given priority in planting, over less productive grain crops. Emphasis is on feed grain production, with a high level of grasses and roughages to supplement it.

Cost of farm operation in 1952, he said, will probably rise over the records

set in 1951. Prices received by farmers will be about the same as last year. Price supports will stimulate high production of many commodities. Better farming practices will also play a part. Seeding exceeded the 15 million acres of wheat set as a goal. Harvest of 14 bushels per seeded acre is hoped for. High nitrogen fertilizer should give the 9 per cent increased corn harvest, Mr. Collins believes. Average yield desired is 29.2 bushels per planted acre.

In producing adequate feed supplies we need to remember, A. L. Clapp of Kansas State College said, first, that livestock often fail to make efficient gains thru lack of sufficient feed; second, that feed must be of proper quality, and third, that we need to be sure of the stability of our crop from year to year. New varieties should first be tested and only those crops and varieties used that we are sure will give a crop. We need to remember that organic matter in the soil oxidizes in 3 years, so crop residues need to be continually returned to the soil and promptly after harvest. Nitrogen will hasten the change of plant tissues to organic matter.

### Feed Livestock Enough

We need to remember details too, the agronomist said. Proper crop sequence, getting good seed of adapted varieties and treating it, having correct planter plates on hand, timely cultivation and application of fertilizer are likely to be overlooked unless planned for in advance.

Where fertility is more limited than moisture, strong legumes—alfalfa, red or sweet clover—should be followed by corn. In dry areas, sorghums are better for their drouth resistance. Seemingly good varieties but not adapted to Kansas are a bad gamble, Mr. Clapp explained, in citing the case of northern oats which need cooler, wetter summers than our normal.

There are not enough legumes in this country, the crop expert said, and cited the part they play in increasing yields. Keeping ⅓ of the land in legumes is being tried successfully on several farms in Kansas. We need more legumes in quick rotations at least.

He recommended soil tests and proper use of fertilizers. Soil tests, he said, should be taken 6 inches deep when the soil is dry and plenty of samples taken. He recommended up to 60 samples on a 20-acre field from which the pint of soil to go to the laboratory is taken. There are now 30 soil testing labs scattered over the state, as well as one at Kansas State College.

### Not Enough Legumes

Fred Sikes, Salina, Soil Conservation Service head in Kansas, stressed the importance of getting more crop residues and organic matter back into the soil. He suggested this as the best treatment for flooded lands which will be subject to wind erosion in the spring. He discouraged use of snow fences, to control loose sand. He called attention to poor lands which should be put back in grass and recommended that major fertilizer reserves be applied to better lands.

At the luncheon sections of the meetings, L. E. Call, dean emeritus of Kansas State College, who has been helping restore the war damaged agricultural college in the Philippines, had high praise for the work being done by ECA and our men in charge.

It will be necessary for the United States to continue to dole out dollars for foreign aid until we can take a more realistic attitude toward other peoples of the world, Dean Call said. We have a choice of either dishing out dollars or paying for their products sold on the American market. They would much prefer the latter.

This country would be better off, and the beet sugar producers admit it, he said, if we would turn a lot of our beet sugar land into alfalfa production and put Philippine sugar on the American market. We would be better off to distribute our dollars around the world for scarce minerals and save our own dwindling supply, and there are other examples of this kind of thinking which we need to do.

He also emphasized that every dollar which is spent abroad comes back to us in trade. Most of us failed to recognize this in the work of our missionaries, he said.

Emmet Womer, chairman of the Kansas mobilization committee, introduced the program. Paul W. Griffith, associate director of the Kansas Extension service conducted a question period following the talks.

# Herefords Top the Market Over 81% of the Time!

Six-month survey of major livestock markets\* reveals Hereford record!



\*Markets reporting include:

Chicago  
 Kansas City  
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Hereford excellence has created a demand plus price that yields a profit you can be proud to mention

The Whiteface trademark of the Hereford breed has become such a familiar figure over the nation that when the average American thinks of beef cattle, he naturally thinks of Herefords. What accounts for this Hereford predominance? A recent survey was made of the nation's leading stockyards. These are the remarkable results. During a six months' period, Herefords brought the day's top price over 81% of the time! Packer preference and willingness to pay are well-known to profit-wise Hereford raisers. They know, too, that Herefords are

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**HEREFORDS**  
 THE BEEF BREED SUPREME

**GRAND  
 CHAMPION**

1951 was another  
 Grand Championship  
 Year for **HEREFORDS**

**AMERICAN ROYAL**  
 Kansas City

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**HOUSTON FAT STOCK SHOW**  
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 EXPOSITION**  
 San Antonio

**OGDEN LIVESTOCK SHOW**  
 Ogden

**GREAT WESTERN SHOW**  
 Los Angeles

**BOURBON BEEF SHOW**  
 Louisville



## How to Handle Land That Was Flooded

**A**THORO study of flood-damaged soils in the Kaw Valley from Manhattan to Lawrence has been completed by Kansas State College. As a result of this study Dr. Harold Myers, head, department of agronomy, Kansas State College, called a meeting of representatives from the College, Extension staff, PMA and SCS. These men studied the survey results and agreed on a set of recommendations for land treatment and cropping practices; also on general fertilizer recommendations.

Where land in the valley was covered with a deposit after the flood, investigators found these deposits could be put in 3 general classifications; loose sands, a mixture of finer sands and silt, and silts.

Whenever these deposits were found 2 soils tests were made. One was of the deposit itself and the second was of the original soil under the deposit.

In all cases, where deposits were found they had less organic matter than the original soil but all were higher in lime content. The loose sands were low in potassium and phosphorus. The intermediate deposits of fine sands and silt had moderate amounts of phosphorus and high amounts of potassium. The high lime content is likely to make the phosphorus low in availability. The same is true of the silt deposits, where phosphorus was found to be moderate to high but locked up because of high lime content.

### To Reduce Damage

Temporary measures to reduce damage by soil blowing this winter were suggested as follows:

1. **Mulching**—Use any organic matter as manure, corn cobs, straw, stover. Minimum of 2 tons an acre recommended. Mulch should be partially pressed into soil with disk or subsoil packer.

2. **Areas not mulched**—Unstabilized sands constitute a hazard to adjacent land. Deep plowing or other tillage operations should not be attempted near loose sands until such sands have been stabilized.

3. **Emergency listing**—Limited to deposits other than loose sands.

Here are recommendations for tillage and cropping practices:

1. **For loose sand deposits** that are too deep for restoration by deep plowing: These will be such a hazard to nearby farm land that a program of year-round protection must be provided. The simplest and least expensive type of year-round cover is perennial vegetation, grass or trees.

(a) **Establishing temporary cover:** Successful establishment of a perennial cover depends on prior establishment of a temporary protective cover into which grass or tree plantings can be made. Types of cover included applied mulches (hay, straw, cobs, stover) and temporary cover crops, principally close-drilled sorghums. Fertilization with heavy rates of nitrogen and moderate applications of phosphorus and potash are necessary for successful establishment of temporary cover. Sorghum cover should be mowed, leaving tall stubble if necessary to prevent formation of seed, allowing cut material to remain on the ground.

(b) **Native grass cover:** Drill native grasses or native grass mixtures into the stubble or mulch the following spring, using special grass drill with depth bands. Planting rates should be sufficient to give about 7 pounds of actual seed an acre. If sand lovegrass is included, plant up to one pound of it per acre, along with 4 to 5 pounds of the other grasses.

(c) **Tree cover:** The following tree species can be planted for the production of plots or other woodland products—black locust, catalpa, cottonwood.

### Fertilizer Will Help

2. **For other lands, including loose sand deposits treated by deep plowing:** Adequate fertilizer to correct deficiencies should be applied in order to get as much growth as possible early in the growing season. Oats can be planted early and will make a quick growth, either alone or used as a soil stabilizer with sweet clover, alfalfa or grass. Sweet clover interplanted with oats would probably be the first legume to be planted. Alfalfa or grass could then follow, after the oats and sweet clover have added organic matter and started stabilization of the soil.

Both cowpeas and vetch are good crops to grow on sandy soil. If either of these are turned under at the stage of maximum growth the organic matter will increase the nitrogen content of the soil and reduce soil blowing. Sweet potatoes do well on sandy soil and their heavy vines would help hold soil. Corn or sorghum can be grown on sandy soil if adequate fertilizer is applied, and if plants can become established at times when there is enough surface moisture and blowing does not occur while plants are young.

Here are the general fertilizer recommendations:

1. **Loose sands**—300 pounds an acre of such grades as 10-30-10, or 12-24-12, or 400 pounds an acre of 8-24-8 or 10-10-10. Higher phosphate grades should be used on materials which are lowest in available P. Lower grades of materials with same ratios may be used, but larger amounts will be necessary.

2. **Sandy loams**—200 to 300 pounds an acre of such grades as 13-39-0 and 16-20-0, or 300 to 350 pounds an acre of such grades as 8-32-0 or 10-20-0.

3. **Loams**—150 pounds an acre of such grades as 13-39-0 and 16-20-0, or 200 pounds an acre of such grades as 8-32-0 or 10-20-0.

Since fertilizer supplies are short you should see your dealer immediately to order amounts you might need for rehabilitation of flooded land.

### Pastures for Ewes

Ewes may be put on drier pastures than they have been on previously, after lambs are either sold or weaned. R. B. Cathcart, Kansas State College animal husbandryman, says then 2 or 3 weeks before the beginning of the fall breeding season, ewes should be changed to better pasture and be fed some legume hay or grain. This system, called flushing, is beneficial in production of a larger and more uniform lamb crop.

### Dairy CATTLE

## BULLS BULLS BULLS

I have a few registered Brown Swiss bulls of serviceable age for sale. Some of the dams of these bulls have records from 350 to over 500 lbs. fat in 305 days. Over 32 years breeding Brown Swiss. Visitors welcome.

**G. D. SLUSS**

4 miles south, El Dorado, Kansas, on Highways 54 and 77.

### LOCUST LEA AYRSHIRES



Bulls and heifers sired by Calaver's Stand Aside. Some with preferred pedigrees, from calves to yearlings. Out of dams with high records. Visitors always welcome.

**LOCUST LEA FARMS**  
Mr. and Mrs. John C. Keas, Effingham, Kan.

**BUY AYRSHIRES NOW**  
America's fastest growing dairy breed. Good individuals, heavy milkers with 4% test and udders that wear. Highest carcass value of any dairy breed. Write for literature or list of breeders near you. **AYRSHIRE BREEDERS' ASSOCIATION**, 260 Center St., Brandon, Vt.



### DAIRY CATTLE

**HOLSTEIN \* GUERNSEY \* SWISS**

Registered Wisconsin heifer calves, bulls from world's largest distributor registered with U. S. Ag. Dept. Home of **FLYING HEIFERS**, we ship by air, low cost, **FREE** pictures, price folder.

**DAIRYLAND CATTLE CO. MILWAUKEE WIS.**

### Beef CATTLE

## BEEF CATTLE

**POLED SHORTHORN**—For Sale both Bulls and Females. Well bred, properly marked and good individuals. Bang's vaccinated. Ready to go out and do good for their new owners. Come see our herd before you buy.

**HARRY BIRD & SONS, Albert, Kansas**

### Dairy CATTLE

## REG. BROWN SWISS

AT PUBLIC AUCTION

**Monday, January 28, 1952**

11:30 A. M. — Heated FFA Barn

**IOWA FALLS, IOWA**

**56 HEAD 50 Females 6 Bulls**

Tb. and Bang's tested—Mostly vaccinated Complete dispersal of these 2 Iowa herds: Ed Hensing of Iowa Falls, and Marshall Prescott of Ringsted.

Many descendants of Janet's Duke of Cedar Valley and Sir Michael of Lee's Hill.

For catalog write **NORMAN E. MAGNUSSEN, Lake Mills, Wis.**

## 50 REG. BROWN SWISS

AT PUBLIC AUCTION

**SILVER CREEK FARM HERDS**

Henry Duwe & Son, Arthur, Owners

To be completely dispersed

Wednesday — 12 Noon

**FEBRUARY 6, 1952**

Under cover at the farm south of

**FREEPORT, KANSAS**

Farm located 8 miles east and 1 1/2 miles south of Anthony, Kan., or 50 miles north of Enid, Okla.

A wonderful, well-kept farmer's herd with production records. Animals of all ages. T.b. and Bang's tested. Bang's vaccinated.

For catalog write **NORMAN E. MAGNUSSEN, Lake Mills, Wis.**

FOR SALE

## REG. BROWN SWISS

3-YEAR-OLD COW

Due to freshen to the service of Silvercreek Show Boy R. D. by Mid-January. D.H.I.A. 2-year record. M. E. of 10,533 milk, 415.1 B. F.

**LLOYD REMPEL, Hillsboro, Kansas**

## 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.**

# KANSAS RANGE BULL SALE



**MONDAY  
FEBRUARY 4  
1952**

**McKinley-Winter  
Livestock Comm. Co.**

## DODGE CITY, KANSAS

**425**

## HEREFORD BULLS AT AUCTION

**Sale Begins at 10:00 A. M. CST**

All serviceable age—300 of them will be two-year-olds in the spring. Most of the offering will **SELL** in **PENS OF THREE**.

**BULLS WILL BE GRADED AND JUDGED  
FOR SALE ORDER ON FEBRUARY 3**

Many ranchers have found the kind of bulls they needed in this sale the past 2 years. You'll find big, rugged, heavy-boned bulls at Dodge City—the kind that will add pounds and dollars to your calf crops.

**"More Bulls for Your Money in Dodge City"**

Auctioneers: Gene Watson — Freddie Chandler

For catalog and information, please address

**KANSAS HEREFORD ASSOCIATION**

State Fair Grounds

Mike Wilson for Kansas Farmer

Hutchinson, Kansas





## REGISTERED ABERDEEN-ANGUS PRODUCTION SALE

February 13, 1952

at the Beverly Sales Pavilion  
**SALINA, KANSAS**



6 coming 2-year-old Bulls  
16 Yearling Bulls - 9 Yearling Heifers

This offering is all sired by Homeplace Eileenmere 48th, son of the great Eileenmere 487th the Penney & James \$30,000 bull. The dams are daughters of a good son of Bandolier Anoka 3rd, a full brother to Bandolier Anoka 6th, the international grand champion. These cattle are selling in every day working condition with their future usefulness in view. They have been properly developed so as to give a good account of themselves, as breeding cattle in the future. Bang's vaccinated and Tb. tested. For catalog write

**FRED P. CHILEN, Owner**  
Miltonvale, Kansas

Roy G. Johnston, Auctioneer

Mike Wilson for Kansas Farmer

### Beef CATTLE

FOR IMMEDIATE SALE

**2 Registered  
Aberdeen-Angus Bulls**  
One 3-year-old and one 4-year-old.  
Ready for heavy service. Both  
sons of Eileenmere 1004, out of dams sired  
by Proudcap K.  
**OSCAR C. LATZKE**  
Junction City, Kansas

FOR SALE 20 CHOICE REGISTERED

### Angus Bulls

Coming 2 years old. Rugged, thick and plenty  
of scale. Raised together. Inspection invited.  
**L. E. LAYLIN, Crab Orchard, Nebr.**

### REG. ABERDEEN-ANGUS BULLS

For Sale. Sunbeam Breeding.  
**CHESTNUT & RAILBACK, Quinter, Kan.**

### REG POLLED HEREFORDS

Offering 13 smooth, low down yearling and  
coming yearling heifers, also 6 bulls, all rea-  
sonable priced. Start that boy in the reg-  
istered cattle business with the popular Polleds,  
located 10 east and 5 1/2 miles north of Em-  
poria. Better have a look.

**LEE COWDEN, Reading, Kansas**  
Phone 83F4 Reading

**For Sale—Choice Reg. Bull Calves**  
8 to 10 months, sired by grandson of Larry Dom-  
ino 50th, out of dams of WHR & Hazlett breeding.  
**LEONARD B. JOHNSON, Alta Vista, Kansas**

**7 REG. HORNED HEREFORD COWS**  
FOR SALE. My entire registered herd, all to  
calf in the spring.  
**HARVEY STEGEMAN, Hope, Kansas**

### SHORTHORN BULLS

For Sale, from 6 to 14 months old. Red and roan.  
Well marked, well bred, good individuals ready to  
go out and go to work.  
**W. A. YOUNG, Clearwater, Kan.**

**FOR SALE**  
**DARK ROAN SHORTHORN BULL**  
Calved October 20, 1950. He is very thick and  
shortlegged and is half-brother to the 1951 State  
Sale reserve champion heifer.  
**GLENN E. LACY & SON, Miltonvale, Kansas**

**FOR SALE**  
**PUREBRED SHORTHORN BULL**  
Best of bloodlines.  
**HOWARD ROWE, Scranton, Kan.**

### Public Sales of Livestock

**Aberdeen-Angus Cattle**  
January 24—Chisholm Trail Aberdeen-Angus  
Breeders' Association, Caldwell, Kan. Don-  
ald Morton, Secretary, Argonia, Kan.  
February 13—P. P. Chilen, Miltonvale, Kan.  
Sale at Salina, Kan.  
February 25—C. E. Reed, Wichita, Kan.  
February 25—Ed Knell & Son, Carthage, Mo.  
March 3—Penney & James, Hamilton, Mo. J. B.  
McCorkle, Sale Manager, AIU Building, Co-  
lumbus, Ia.  
March 25—U. S. Center Angus Association,  
Smith Center, Leonard Patman, Secretary.  
April 2—South East Kansas Breeders' Associa-  
tion, Iola, Kan. Clarence C. Ericson, Sale  
Manager, Savonburg, Kan.  
April 3—Oscar Latzke, Junction City, Kan.  
April 10—Mid-Kansas Aberdeen-Angus Sale,  
Hutchinson, Kan. Lloyd Ericson, Sale Man-  
ager, Marquette, Kan.  
April 21—Ericson, Thalman and Davis Produc-  
tion Sale, Hutchinson, Kan.  
April 22—Northeast Kansas, Hiawatha, Kan.  
Harry Bandilker, Secretary, Hiawatha.  
April 29—G. W. & Ada C. Caldwell, Harlan,  
Kan.

**Brown Swiss Cattle**  
January 28—Ed Hensing, Iowa Falls, and Mar-  
shall Prescott, Ringsted. Sale at Iowa Falls,  
Ia.  
February 6—Henry Duwe & Son, Freeport, Kan.

**Dairy Cattle**  
February 25—Ed Knell & Son, Carthage, Mo. . .

**Hereford Cattle**  
February 2—North East Kansas Hereford Breed-  
ers' Association, Topeka, Kan. Elmer Becker,  
Sale Manager, Meriden, Kan.

February 4—1952 Kansas Range Bull Sale, Dodge  
City, Kan.  
February 6—1952 HG Hereford Farms, Colby,  
Kan.

February 7—1952 Olivier Bros., Harper, Kan.  
February 8, 1952—Kaw Valley Hereford Associa-  
tion Manhattan, Kan. Bass Powell, Sale  
Manager, Manhattan, Kan.

February 9—Dickinson County Hereford Breed-  
ers' Association, Abilene, Kan.  
February 15—Milt Haag, Holton, Kan.

February 22—Sam Gibbs, Clay Center, Kan.  
March 3—Marshall County Hereford Breeders'  
Association, Marysville, Kan. Elmer E.  
Peterson, Secretary, Waterville, Kan.

March 5—3-Way Sale, Hutchinson, Kan.  
March 18—North Central Kansas, Belleville,  
Kan. Geo. C. Wreath, Sale Manager.

April 12—Kansas Hereford Association, Horton,  
Kan.

April 16—Sutor Hereford Farms, Zurich, Kan.  
April 17—Twin Oak Farm, Moundridge, Kan.

October 6—Beeks-Cleland, Baldwin, Kan.  
October 9—Jim Riffel, Junction City, Kan.  
October 11—CK Ranch, Brookville, Kan.

October 20—John W. Spencer, Whiting, Kan.  
October 27—John W. Spencer, Straight Creek  
Farms, Whiting, Kan. Sale at Marysville,  
Kan.

October 30—Flint Hills Association, Cottonwood  
Fall, Kan.

November 6—Lincoln County, Sylvan Grove,  
Kan.

November 11—Tonn & Fishburn, Haven, Kan.

**Shorthorn Cattle**  
February 13—Alvin T. Warrington and Richard  
E. Karst, Rich Hill, Mo. Mervin F. Aegerter,  
Sales Manager, Seward, Nebr.

**Milking Shorthorn Cattle**  
February 20—M. H. Peterson Dispensal, Junction  
City, Kan.

February 20—M. H. Peterson Dispensal, Junc-  
tion City, Kan.

April 5—South Central District All Heifer Sale,  
Fairgrounds, Hutchinson, Kan. C. O. Heide-  
brecht, Sale Manager, Inman, Kan.

April 25—National Milking Shorthorn Show  
and Sale, Springfield, Mo. American Milk-  
ing Shorthorn Society, Managers, 313 So.  
Glenstone, Springfield, Mo.

October 27—John W. Spencer, Straight Creek  
Farms, Whiting, Kan. Sale at Marysville,  
Kan.

**Duroc Hogs**  
January 24—Jayhawk Farm, Little River, Kan.  
Sale at Moundridge, Kan.

January 29—Jayhawk Farm and Leonard  
Schneider, Sale at Albert, Kan.

February 4—C. M. Sheehy & Son, Richards, Mo.  
Sale at Nevada, Mo.

February 6—Kansas Duroc Breeders, Garden  
City, Kan. Herman Popp, Secretary, Haven,  
Kan.

February 6—Weldon Miller & Son, Norcat,  
Kan.

February 9—Earl Martin & Son, DeKalb, Mo.  
February 9—Bred Sow Sale, Vern V. Albrecht,  
Smith Center, Kan.

February 11—Harry Duvall, Belleville, Kan.  
February 20—U. S. Center Duroc Association,  
Phillipsburg, Kan. Vern V. Albrecht, Sale  
Manager, Smith Center.

February 25—Ed Knell & Son, Carthage, Mo.  
April 10—Herman Popp, Haven, Kan. Sale at  
State Fairgrounds, Hutchinson, Kan.

April 19—Kansas Duroc Fall Pig Sale, sale at  
Moundridge, Kan. Herman Popp, Secretary,  
Haven, Kan.

**Hampshire Hogs**  
February 5—L. E. Hines, Gallatin, Mo. Donald  
J. Bowman, Sales Manager, Hamilton, Mo.

February 11—John Gareis & Sons, Wamego, Kan.  
February 28—R. E. Bergsten & Sons, Randolph,  
Kan.

**Hereford Hogs**  
February 15—Milt Haag, Holton, Kan.

**Poland China Hogs**  
February 19—Paul Erickson, Herndon, Kan. Sale  
at Oberlin, Kan.

February 23—Bauer Bros., Fairbury, Nebr.

**Spotted Poland China Hogs**  
February 26—The Rices, Liberal, Mo.

**Yorkshire Hogs**  
February 21—Geo. Wm. Burkholder, Abilene,  
Kan.

**Suffolk Sheep**  
April 26—Registered Suffolk Ram Sale, Herman  
Popp, Haven Sale Manager, sale at Kansas  
State Fair Grounds, Hutchinson, Kan.

**Sheep**  
February 25—Ed Knell & Son, Carthage, Mo.

### Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed . . . . .	\$35.75	\$35.25	\$37.00
Hogs . . . . .	18.15	17.90	20.75
Lambs . . . . .	29.50	28.75	35.00
Hens, 4 to 5 lbs. . . . .	.25	.24	.28
Eggs, Standards . . . . .	.36	.43	.38
Butterfat, No. 1 . . . . .	.80	.75	.68
Wheat, No. 2, Hard . . . . .	2.54 1/4	2.55 1/4	2.39 1/4
Corn, No. 2, Yellow . . . . .	2.03 1/4	2.00	1.87 1/4
Oats, No. 2, White . . . . .	1.15 1/4	1.10 1/4	1.00 1/4
Barley, No. 2 . . . . .	1.54	1.54	1.54
Alfalfa, No. 1 . . . . .	44.00	44.00	36.00
Prairie, No. 1 . . . . .	29.00	26.00	17.00

### Plate Protects Hand

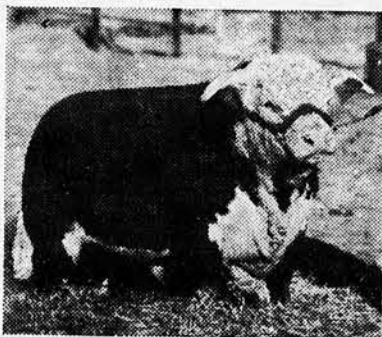
Next time you roast wieners or  
marshmallows, poke your roasting  
stick thru a paper plate. This protects  
your hand from the fire.—Mrs. L. W. T.

# ANNUAL PRODUCTION SALE!

**HG HEREFORD FARMS, Colby, Kansas**

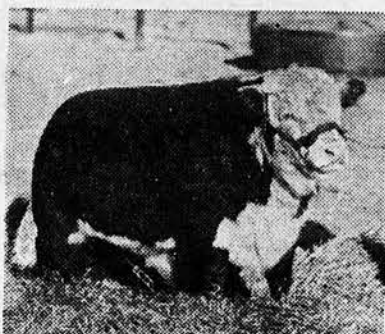
**FEBRUARY 6, 1952**

At the farm 14 miles north of Colby, in our heated sale barn.



HG ROYAL HEIR 272

**Selling 50 Head  
40 Bulls  
10 Bred Heifers**



HG CRUSTY 325

An excellent bull offering consisting of 30 bulls  
of serviceable age . . . 20 are sons of TT Royal  
Heir 25, a son of Register of Merit TT Royal Tri-  
umph . . . 10 sons of TT Royalty 17, 18 to 20  
months old or older. 10 younger bulls, 5 sired  
by TT Royal Heir 25 and 5 by CK Crusty 36, mostly  
herd bull prospects. The female offering is made  
up of 10 well-grown heifers bred for calving in  
May and June at ages of 25 to 28 months. All  
carry the service of CK Crusty 36, our outstanding  
son of Register of Merit CK Crusier D. 34. CK  
Crusty 36 is a half-brother to CK Crusty 11, the  
1950 Denver grand champion. Another half-  
brother, CK Crusty 46, was 1951 Royal Cham-

pion. The evidence that Crusty is doing a good  
job for us is seen in the sons we are selling.  
HG CRUSTY 325 This is a real herd bull prospect  
sired by CK Crusty 36. This bull has what most  
of us are looking for, a good head, a lot of thick-  
ness and depth and smoothness. Your oppor-  
tunity to purchase one of the first sons of CK  
Crusty 36. Four half-brothers also sell. HG ROYAL  
HEIR 272 This is a sample of the range bulls that  
sell. He is a very thick and smooth bull with a  
lot of bone and depth and a very good head.  
I think you will like this bull and a lot of others.  
He is a son of TT Royal Heir 25.

• Write for  
catalog

Gene Watson, Auctioneer

## HG HEREFORD FARMS

Mr. and Mrs. Howard Grover  
Owners—Colby, Kansas

Mike Wilson for Kansas Farmer



# N.E. KANSAS HEREFORD SALE

## February 2, 1952, Topeka, Kan.

FAIR GROUNDS  
SHOW 9:00 A. M. — SALE 12:30 P. M.

### 72 HEAD

49 Bulls . . . good rugged individuals both range and herd bull prospects. 23 Females . . . bred heifers and open heifers. The 72 head of sale cattle have been selected from 144 entered.



#### CONSIGNORS:

ATWATER, CHAS., Netawaka  
BECKER, E. G., Meriden  
BECKS HEREFORD FARM, Baldwin  
CAMPBELL, J. C., Rossville  
DUNN, JOHN, Winchester  
FIGGE, ALICE & CARL, Topeka  
GEORGE, JACKSON, Lebo  
GIDEON, GARLAND R., Paxico  
HECK HEREFORD RANCH, Lawrence  
HUG, FRANK & SONS, Scranton  
KOCHER, HERMAN, Onaga  
KOVAR, CLYDE, Rossville  
LAWRENCE, J. F., Meriden  
MADDEN, ELBERT, Waverly  
MADDEN, NELSON, Lebo  
MCKNIGHT, JAMES, Eskridge

MORRISON, C. P., Meriden  
PREMIER FARMS, Welcott  
REICHART, OSCAR, Valley Falls  
REZAC, ERNEST, Rossville  
REZAC, E. W., Rossville  
SACKETT HEREFORDS, Tonganoxie  
SANDERS, N. S. & SON, Miller  
SANDERS, R. E., Miller  
SCHAIBLE, KENT H., Fairview  
SEYMOUR, E. L., Leavenworth  
SOUTHARD, J. M., Topeka  
SNAKE CREEK HEREFORDS, Rossville  
STRAIGHT CREEK FARM, Whiting  
WEAVER, O. H., Carbondale  
WILLIAMS, ORION & SON, Hoyt

For sale catalog write E. G. Becker, Secretary, Meriden, Kan.

### NORTHEAST KANSAS HEREFORD ASSOCIATION

Freddie Chandler, Auctioneer Geo. Hamilton, Judge Mike Wilson for KF

### TO THE Northeast Kansas HEREFORD SALE February 2

4 HEAD

3 Heifers and 1 Bull, sired by Premier Bourbon Domino. Also bulls and heifers for sale at the farm, by this same great sire. These cattle are all out of dams of Prince Domino and WHR breeding.

J. F. Lawrence, Meriden, Kan.

Featuring these top herd sires.

#### CK CRUSTY 70TH

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

#### CK ROYAL DUKE 3RD

bred by CK Ranch

#### P. ROYAL DUKE 7TH

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

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

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

### ANGUS are a good SOUND INVESTMENT

• **MODERN BEEF TYPE.** Naturally-hornless Angus rate superior as economical beef producers. They mature quickly . . . convert feed efficiently . . . return a good profit.  
• **COMMAND PREMIUM PRICES.** Packers pay more for Black steers because they dress out a premium carcass and a higher percentage of salable beef.  
• **LARGER CALF CROPS.** Heifers and cows have less calving trouble for Angus calves have smaller polled-shaped heads. Gives you more calves to sell. For information, write American Angus Ass'n, Chicago 9, Ill.

We Are Consigning 4 Head to the

### Northeast Kansas HEREFORD SALE at Topeka February 2



2 Bulls coming 3 years old.

Well grown and good rugged fellows. 2 cows that are bred. Don't forget to look over this consignment. We think you will like them. They are calfhood vaccinated and sired by Super Count by Super Anxiety. In their tabulations you will find the best of breeding.

ORIN WILLIAMS & SON  
HOYT, KANSAS

See Our Consignment at the

### Northeast Kansas HEREFORD SALE in Topeka on February 2



In this sale we will have 2 yearling bulls and 2 heifer calves, sired by Royal Tredway E. 2nd, out of good Domino cows. They are well marked and good individuals. When in need of good breeding stock visit our farm. We have more sons and daughters of Royal Tredway E. 2nd.

VISITORS WELCOME

OSCAR REICHART & SON  
VALLEY FALLS, KANSAS

Attend our 6th

# Annual Production Sale

## February 7, 1952

12:30 P. M.

### Harper, Kansas

Sale will be held 10 miles northeast of Harper, Kan., on Highway K2



### SELLING 60 HEAD

22 BULLS—6 junior yearling bulls by FRC Bocaldo 49 and Advance C Domino 4. 14 senior bull calves by FRC Bocaldo 49. 2 junior bull calves by FRC Bocaldo 49. 38 FEMALES—4 six-year-old bred cows by Royal B. Domino 5. 20 junior and summer yearling heifers by FRC Bocaldo 49, Advance C Domino 4 and WH Rupert Zesto, bred to P Royal Duke 54. 10 senior heifer calves by FRC Bocaldo 49 and WH Rupert Zesto. 4 junior heifer calves by FRC Bocaldo 53.

For catalog write

### OLIVIER BROS., HARPER, KANSAS

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

### KAW VALLEY HEREFORD ASSN. SHOW AND SALE

Riley County Fair Grounds

### Manhattan, Kan., Friday, Feb. 8, 1952

Show at 9:00 A. M. — Sale at 12:00 P. M.

Selling 61 Head Bulls and Females: 44 Bulls—17 Females

Some serviceable-age bulls and bred heifers. Primarily horned—few polled from top registered herds of Riley, Geary, Wabaunsee and Pottawatomie counties.

Gene Watson—Auctioneer

Dr. A. D. Weber, Judge

For catalog write to

WENDELL A. MOYER, 1027 Kearney, Manhattan, Kan.

Mike Wilson for Kansas Farmer

2 BULLS — 3 FEMALES — to the

### NORTHEAST KANSAS HEREFORD SALE on February 2

October 1950 Bull sired by MH Royal Tredway 93rd.  
February 1950 Miss Advance Tredway, carrying service to CK Crusty 70th (half-brother to 1951 American Royal Champion.)  
May 1951 Miss Tredway Heifer Calf by MH Royal Tredway 93rd.  
2 Polled Heifer Calves by Beau Worthmore, calved in May 1951.

See our consignment of 9 head at the

#### ROUND-UP SALE

at Kansas City, February 25 & 26

by P. Royal Duke 7th. (Grand champion bull in the 1948 Kansas State Sale and Prince Domino Jr.)

Straight Creek Farms, John W. Spencer, Owner, Whiting, Kan.

### MAKE A BIRTHDAY GIFT to Crippled Children

The Capper Foundation for Crippled Children, Topeka, Kansas





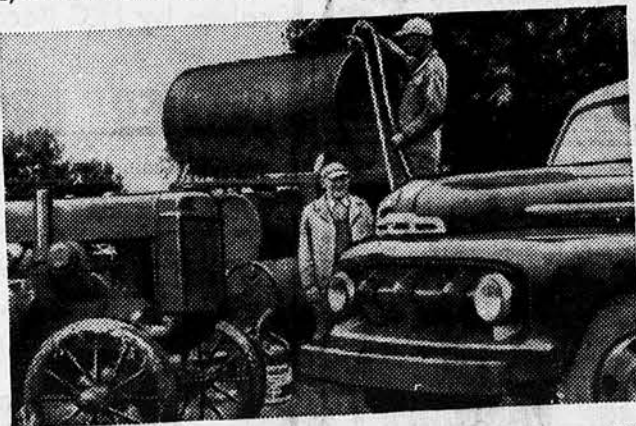
# FARM NEWS GRAPHIC

## Craftsman, old tractor, old friends



**Builds self-propelled combine.** Homer Schell, Hemlock, Michigan explains to his Standard Oil Agent, Ed Claxton, how he converted an old-model combine into a self-propelled unit. He says, "Working around the insides of machinery has taught me that the cheapest way to keep it running right is to use the very best gasoline and oil. I have used STANDARD Oil products for 18 years and I've always found they completely fill the bill." In addition to RED CROWN Gasoline Mr. Schell has his agent supply him with motor oils, lubricants, and STANDARD Stock Spray with Methoxychlor.

**Still going strong.** This old-time tractor is still on the job at Lake Odessa, Michigan, after 27 years of service. Floyd Peabody, 84 years old, bought it in 1924. In the engine Mr. Peabody has never used anything but STANDARD's fuels, POLARINE and Iso-Vis Motor Oils. Here is evidence of what the use of high quality fuels and lubricants mean to farm equipment. For your own tractor, truck or car the uniform higher quality of STANDARD Oil products will pay off in trouble-free service. Photo shows the early model getting a fill from STANDARD Oil Agent, D. A. Benjamin.



**Like father . . . like sons.** In 1918 E. J. Schonaman, working a farm near Albion, Illinois, made his first purchase from STANDARD Oil Agent Loren Diesner. Today, 34 years later, two more generations of Schonamans are still doing business with STANDARD Oil. Above are John Schonaman, Frank Schonaman, young John E. Schonaman (son of John), Loren Diesner, retiring STANDARD Oil Agent and Don Cunningham, new agent who now takes over servicing these long-time customers. Associations like this result from reliable, friendly service and quality products at reasonable prices.

## News and Notes FOR JANUARY

AMERICAN FARMERS now operate tractors and power units rated at an estimated 180,000,000 horsepower. That's an amount equal to twice the power consumed by all the factories of the nation.



Now from the time of the kerosene-lamp era, almost 60 years ago, STANDARD Oil Agents have considered the farmer a preferred customer. We maintain a service "army" of more than 6,000 agents and drivers to supply Midwest farms with constantly improved petroleum products for power farming. There's a STANDARD Oil Man near you, ready to bring you promptly whatever you need to keep your equipment working at top speed.

**Acreage needed for feed crops in 1952 will be greater than ever.** With a job like that ahead, you'll need to take advantage of every break in the weather to get your seed in the ground. That's where ample supplies of quality fuels and lubricants count. This month plan with your Standard Oil Man to have those supplies on hand, all ready to go!

**And remember this,** no matter how busy you are! More lives are lost among farm workers than among any other group of workers in America . . . with careless handling of machinery accounting for more than a quarter of all farm accidents. Watch yourself!



**HERE'S A HANDY WAY TO figure a tractor's field speed.** Walk beside it for 20 seconds, counting the number of 3-foot steps you take. Then point off one place. If you take 32 steps, the speed is about 3.2 MPH. At any speed you will be getting better lubrication with PERMALUBE Motor Oil.

Your  
Standard  
Oil Man

