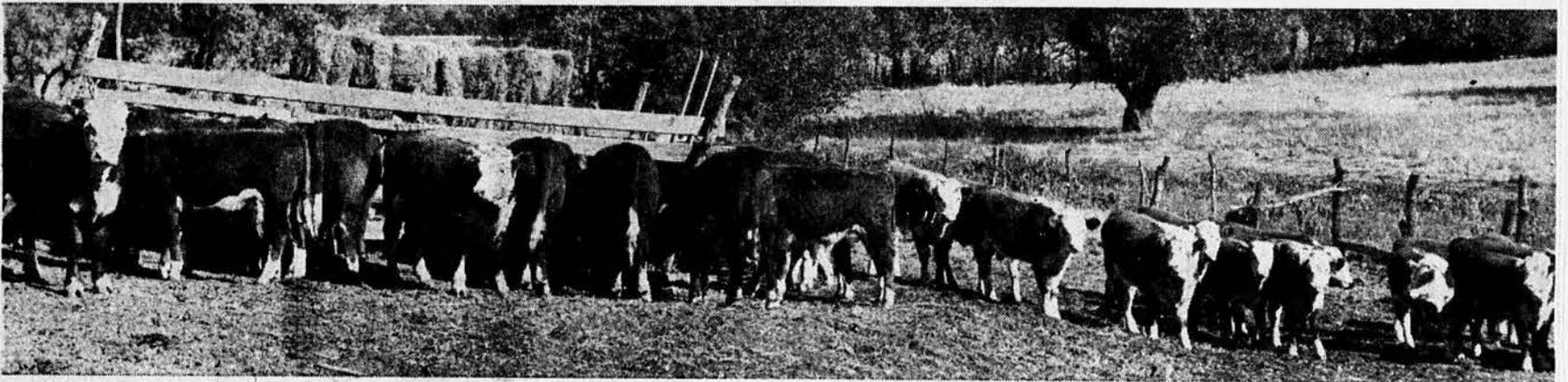


# Kansas Farmer



THESE REPLACEMENT CALVES on Pence farm, purchased for 28 cents a pound in fall of 1952, are expected to more than make up for 1952 feeding loss.

## Is Deferred Feeding

# UNSOUND?

Not at all! Recent experiences simply mean we must watch fine points of program much closer

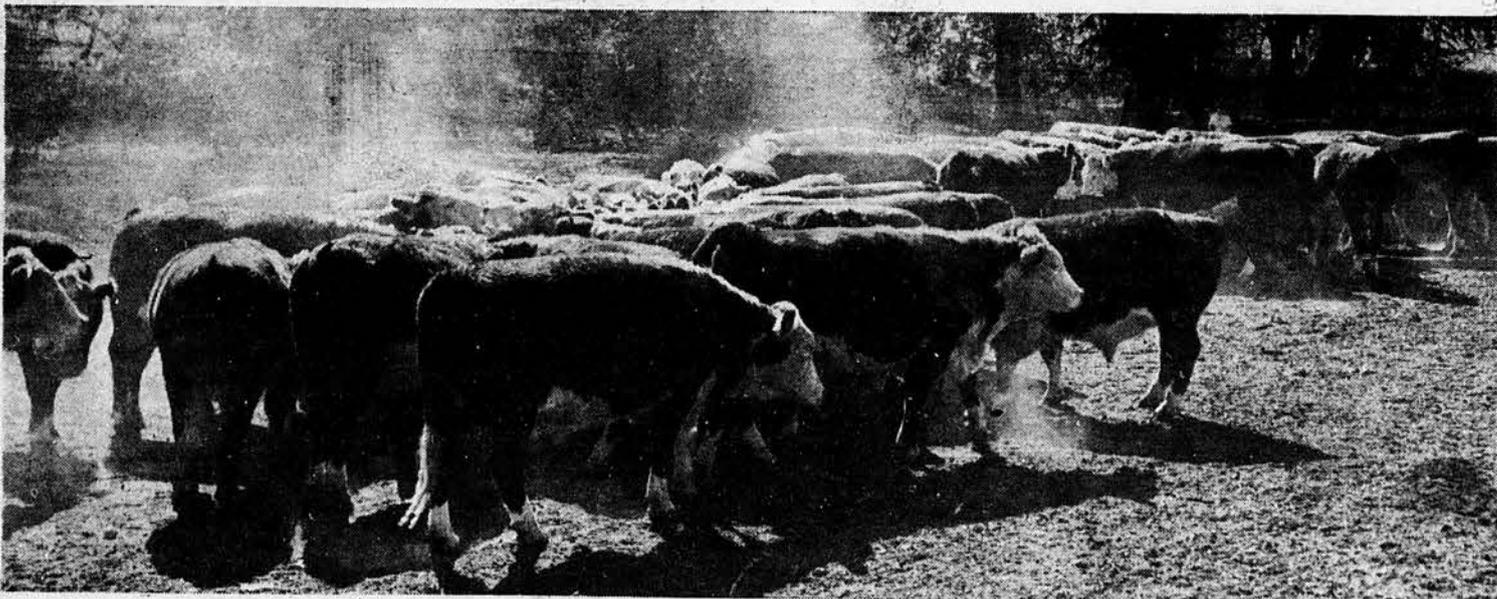
AS EARLY as last September, Wendell Moyer, Kansas State College Extension livestock specialist, was predicting only one out of 4 deferred feeding projects in Kansas would make money in 1952. His prediction was based on his observation that too many were cutting corners on one or more phases of the program. It also was based on the added assumption most feeders would be selling for 6 to 8 cents a pound less than they paid for calves the previous fall.

Actually, many feeders had to sell for 10 or more cents less than they paid for [Continued on Page 32]



THESE DEFERRED-FED STEERS on Lester Pence farm, Shawnee county, ate feed valued at \$118.93 a head and lost their owner \$34.21 a head.

THE YEAR 1952 was disastrous for most deferred feeding projects in Kansas. Does this mean the program is unsound? Or will you have to watch the corners more closely to make profits in the future?



- Steps in Farmstead Planning . . . . . Page 6
- What Kansas Farmers Want . . . . . Page 8
- We Choose Six Homemakers . . . . . Page 24

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## PLANT TO PROSPER

### with new A-C SHORT-DROP planters



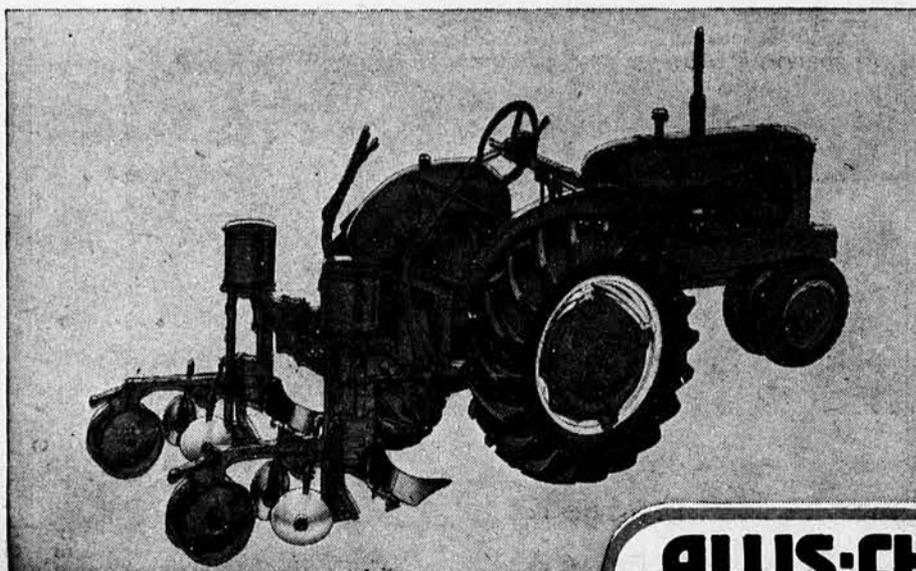
**SHORT BOOT**  
Plants with High-Speed Accuracy

Kernels travel only 14 inches from seed hopper to soil. They drop straight down . . . quickly . . . and without bounce or scattering.

That's how Allis-Chalmers 2-row and 4-row hydraulic-lift planters space seed in the row with new high-speed accuracy.

A-C Short-Drop planters can give you a higher stalk population without crowding. You can have more plants per acre, with fertilizer positioned exactly right.

They're Free-Swing . . . led from a single forward hitchpoint . . . free to follow the tractor on the contour or straightaway. Now you can follow this new short-drop planting system, hold moisture and soil, boost yields. Ask your A-C dealer how. He has the latest answer in modern tractor planters.



**No. 3 Two-Row Lister** mounts on WD Tractor. Hydraulic Traction Booster assures uniform speed — even depth planting. Lister has straight hoppers, 14-in. bottoms, wing-type openers, disc covers and press wheels. Driven by rubber-tired ground wheel forward of the two bottoms.

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

## MARKETING VIEWPOINT

By LEONARD W. SCHRUBEN

*What is the outlook as to the International Wheat Agreement? Will it be discontinued or revised so as to possibly cause a downward price trend in our domestic wheat price?—A. H. B.*

Reviewing preparations for the meetings to begin late this month in Washington to consider extending or renewing the International Wheat Agreement, it is my feeling it had about a 50-50 chance of being renewed.

Past experience has indicated the maximum price too low, which means exporting countries will demand or will be likely to demand a higher price than the old agreement. Importing countries, however, looking at the over-all world supply situation for wheat, feel it is not too necessary for them to negotiate a new International Wheat Agreement in order to obtain supplies. They feel that the issue is off so far as inadequate supplies are concerned, and no doubt will agree to a higher maximum price. If it is revised and extended, I do not believe it will be in such a way as to cause a downward price trend in domestic wheat—not to be dependent on world trade.

*What is the prospect for prices on milo seed this spring? I have some good, dry, mature seed from certified planting in the bin. Would you consider it a sure thing that one could pay \$1.70 for shelled corn to feed in its place and make money on the milo for seed?—A. R. K.*

If you feed corn which cost \$1.70 per bushel to dairy cows, or fattening lambs, milo would be worth about \$3 per hundred pounds. If fed to fattening beef cattle or hogs, milo would be worth about \$2.80 per hundred pounds. Of course, you must add the cost of getting the corn and the cost of selling the milo to the above comparison.

Now, I think your question is: Can you expect to get a higher price for milo than \$2.80 to \$3 per hundred? The seed market is hard to predict. If your seed is of a good variety with high germination, I believe you will be able to sell it for more than enough to break even by buying corn. It is not a sure thing. However, I believe chances for a gain by the kind of transaction you describe are about 6 out of 10, to break even about 2 out of 10, and to lose about 2 out of 10.

### New Sudan Grass

Greenleaf is a new variety of Sudan grass, to be available in limited supply this spring to certified seed growers. County agents will take requests for seed. Greenleaf matures later and bears more leaves than other varieties common in Kansas. It also resists disease so is expected to make a superior pasture.

## KANSAS FARMER

Continuing Mail & Breeze

ARTHUR CAPPER . . . Publisher (1893-1951)  
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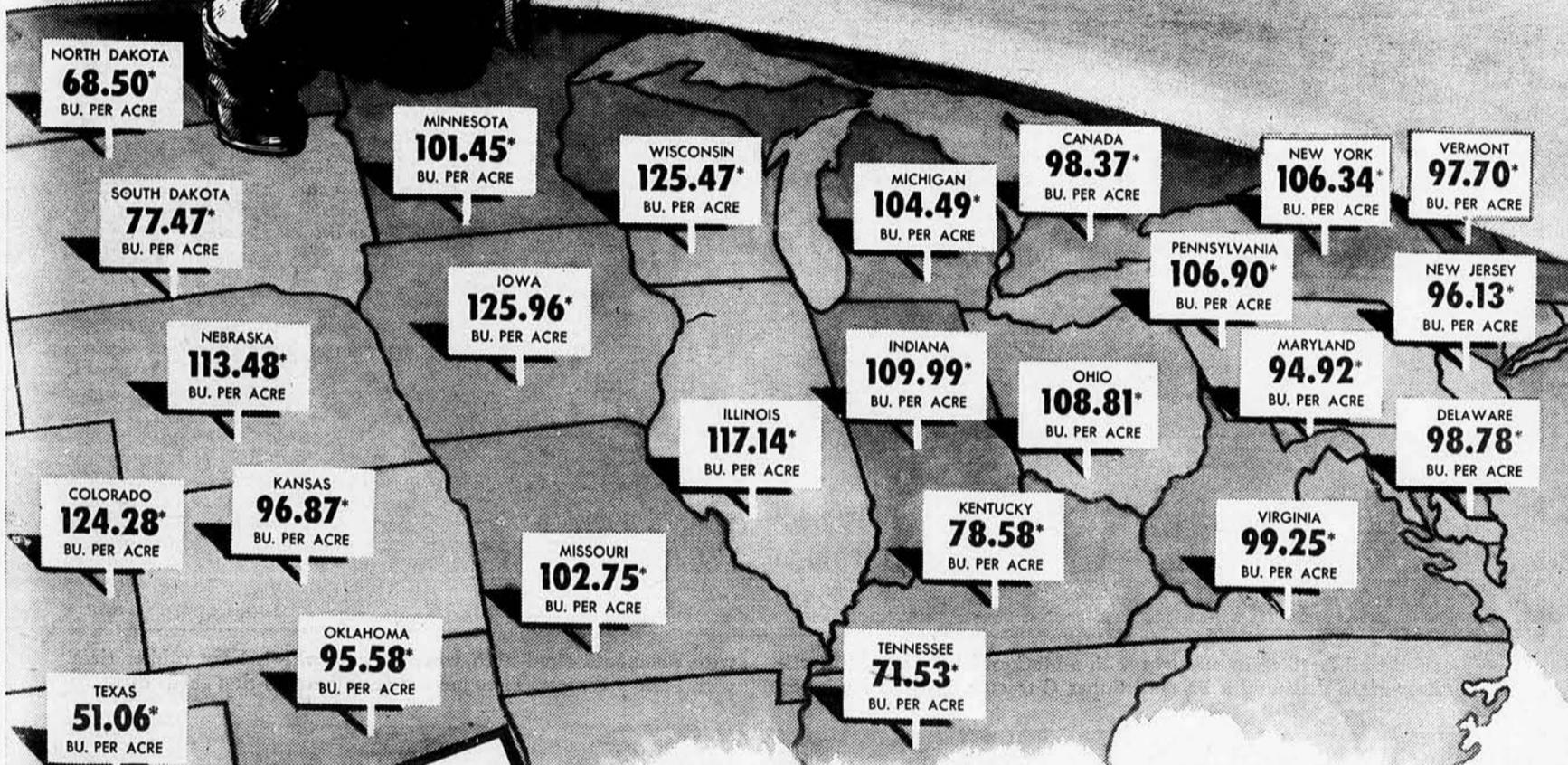
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Three years, \$1; one year, 50 cents. Copy 5c



“for whatsoever a man soweth that shall he also reap”



**5,252 FARMERS**  
 report an average  
 yield of 110.54 bushels\*  
 of DeKalb Corn  
 per acre in 1952!

QUALITY has no substitute. Never was this better proven than in the yield results of last year's DeKalb Corn Growing Contest. In this nation-wide farm competition, 5,252 farmers from 25 states and Canada made the outstanding average yield of 110.54 bushels\* of DeKalb Corn per acre. Look carefully at the individual state yield averages\*. And remember, these yields came from thousands of different farms, good and bad soils, good and bad weather. Such a record means consistent, high, proved performance of DeKalb. Why run chances of planting seed of unproved results? Insist on America's Favorite Seed Corn—DEKALB.

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More Farmers Plant **DEKALB** than any other Brand

\*All yields made on Selected 5-Acre Contest plots, by contestants in the DeKalb Corn Growing Contest.

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When your wheat comes up...

# You'll see why McCormick® Grain Drills are famous for accuracy

You can't see the kind of a job your grain drill has done until your crop comes up. Then, it's too late or too costly to correct over or under seeding. That's why it is wise to use a drill you can depend on to seed accurately—a McCormick drill!

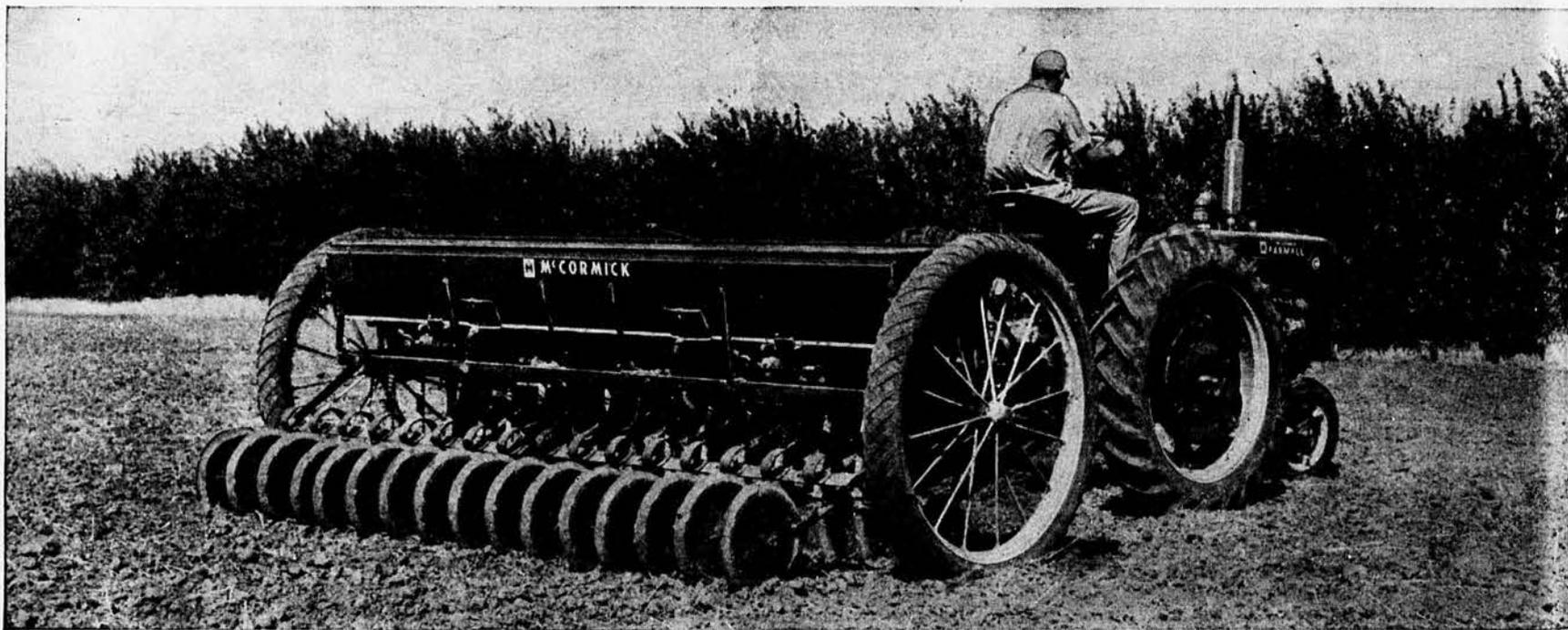
Over 700 factory tests and inspections make sure McCormick drills measure out uniform quantities of seed and place it at even depth in the soil. Fluted feeds, for example, must pass 14 different gauging inspections during assembly, and then take a seeding test to *prove* their accuracy.

**Drill wheat, barley, soybeans and many other crops** with your choice of fluted or double-run feeds. By closing some feed openings with feed stops, you can sow row crops.

**Precision depth control** enables you to place all seed at the same depth for even growth and uniform ripening. You can regulate working depth of furrow openers within a fraction of an inch.

**Easy operation.** Seeding rate can be changed quickly and easily. A positive power lift lets you raise furrow openers quickly for turning—drop them almost instantly. Model M and MF drills can be equipped with a hydraulic Remote-Control cylinder that gives you fingertip control of furrow openers from the tractor seat.

**262 different combinations** of types and sizes of drills, and furrow openers make it easy to pick a McCormick drill that fits your needs exactly.

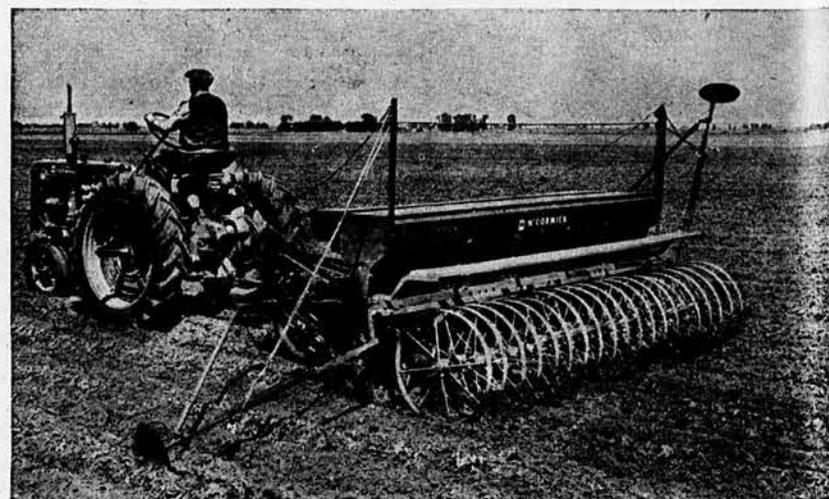


Seed and fertilize in one trip with a McCormick 16 x 7 MF fertilizer-grain drill and a Farmall Super C tractor. Drill is equipped

with pneumatic-tired high wheels. Press wheels have rubber tires with hollow centers. Tires have a flexing action that sheds dirt.



Drill accurately at 5 mph. with a Model M plain grain drill and a Farmall Super C tractor. Low pressure rubber-tired drill wheels don't clog with dirt . . . reduce slippage on hillsides . . . make possible smoother, faster field and road travel.



Make the most of available moisture with this McCormick press grain drill that squeezes air spaces out of the seedbed to make it easier for plant roots to get subsoil water. A Farmall Super C pulls this 20 x 7 drill easily.



See your IH dealer about a new McCormick grain drill. He will help you choose a grain drill that exactly fits your farming practices, your acreage and tractor power. Let him show you how a McCormick grain drill can help you seed more accurately for a bigger harvest!

## INTERNATIONAL HARVESTER

International Harvester products pay for themselves in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler Tractors and Power Units . . . Refrigerators and Freezers—General Office, Chicago 1, Illinois

## Feed You Buy Better Than Ever But Quality Hunt Continues

LIVESTOCK NUTRITION scientists are making great progress in more efficient feed formulation. A lot of emphasis at Kansas' 8th annual feed conference was placed on most effective feeding of rumen microorganisms, which in turn enable cattle to get most out of what they eat.

But with all our modern feed formulation know-how, effective results, conference leaders emphasized, still depend on a sound management program, good feeding and sanitation.

Example of this was brought out in interesting displays set up for the conference at Kansas State College in January. On one side of the exhibition hall, chemical apparatus was on display, used in experimental work because it duplicates chemical functions of the rumen. Another display featured just plain water. A big difference in weight gains and feed efficiency was brought out—the scrawny 1.6-pound birds were given water only 30 minutes a day, compared to their plump 3.4-pound mates with the same feed available at given water free-choice.

### Use Low-quality Roughage

Proper feeding of "rumen bugs," Dr. Elise Burroughs, of Iowa State College, told the group, makes possible utilization of low-quality roughages. A minimum of 10 per cent protein is believed essential to rumen fermentation. When higher-quality roughage such as grass hay is fed, less complex supplemental feeding of the rumen is required. Results show there would still be a need for trace minerals and limited amounts of high-energy feeds, he said.

Nutrition of turkeys and laying hens as discussed by J. R. Couch, Texas A. & M. College, who emphasized higher nutritional needs of turkeys over chickens. Turkeys need a high-energy, lower diet, about 28 per cent protein with all essential amino acids supplied. Turkey growth seems to be more stimulated by antibiotics than is that of chickens. One or a combination of antibiotics is effective, altho a combination gives more consistent results, he said. Effectiveness is affected by disease level, but under normal conditions antibiotics are definitely effective.

Old idea of starving pullets to hold back natural impulse to start laying, cited, has been replaced by more efficient chicken feeding. We now feed to 21½ per cent protein the first 6-8 weeks, as found in most chicken-layer feeds, as well as necessary vitamins and antibiotics in a high-energy ration to bring birds into efficient production. Higher-energy rations for the first assures more eggs from less feed than an old conventional high-fiber feeds. Importance of medication in poultry feeds was brought out by Dr. Paul E. Sanford, K-State, who also supervised

display of results of a number of nutritional tests on birds fed various medicaments including new work with arsenic compounds which promise to play an increasingly important role in specific disease control.

Altho not new, vitamin-A research continues and its importance remains. Typical of vitamin-A need, D. B. Parrish, K-State chemistry staff member pointed out, is 50 per cent increase needed by hens in hot weather to make up for lower feed consumption and possibly, too, accelerated destruction of vitamin A in hot weather from time it is mixed in feeds until consumed.

Stability of these additives, after they are placed in feeds, is a problem. Progress is being made in this direction on antibiotics, G. P. Whitlock, of Merck and Co., told the conference.

Feed industry today ranks among 10 largest industries in the Nation, Loren Burns, of the college feed milling department, stated. He emphasized the many skills needed to put nutrition "in the bag."

## Feeding More People in Years Ahead Possible, Says Plant Food Council

KANSAS LEADS Midwest states with its organization of the KANSAS PLANT FOOD ADVISORY COUNCIL. By-laws and a temporary board of directors were approved in Topeka, January 22, as the Kansas council began operation, well in the lead of action by neighboring states.

The Nation's agricultural leaders are urging formation of such state level groups representing plant food suppliers, land-grant colleges, and other public and private agricultural interests, to promote more efficient use of plant foods. Some 24 plant food industry representatives, Extension and agronomy officials of Kansas State College, and representatives of the State Board of Agriculture, Kansas Industrial Development Commission and *Kansas Farmer* met to launch the council.

Need for action is stressed by economists, pointing out the tremendous population increase expected in the Nation—5 mouths to feed by 1975 for every 4 we fed in 1950. This production increase, they also emphasize, must come almost entirely from our present farm acreage. It's entirely possible, too, a survey by Department of Agriculture and Experiment Stations shows. Sizable increases in corn, cereal grains, especially wheat, and even hay and pasture production are possible with heavier applications of fertilizers and other plant foods. Farmers also would profit greatly thru such a program. Once the

program is really adapted, its benefits will become quite evident, council spokesmen point out.

Corn yield average in South Carolina was doubled over a 4-year period, largely thru efforts of a similar organization in that state. This accomplishment and functions of his organization were explained in detail at the Kansas meeting by Herbert B. Davis, president of the South Carolina Plant Food Educational Society. Work of California, Florida and Virginia groups also was considered in setting up the Kansas council.

Kansas council will elect officers, officially organize as a nonprofit corporation, and begin implementing a program now being drafted by the tem-

## J. C. Mohler, Former Secretary of Kansas Board of Agriculture, Dies

FORMER SECRETARY of the Kansas State Board of Agriculture, Jacob C. Mohler, 77, died January 18, in a Topeka hospital. Services were held Tuesday in Topeka.

Known as "Mr. Agriculture," Jacob Mohler had been with the board 57 years, retiring in January, 1950, because of illness. His father, Martin Mohler, also had served as secretary.

Born April 7, 1875, on a farm in Osborne county, Mr. Mohler was the son of parents who homesteaded in the county in 1871. "Jake" received his early schooling in a one-room schoolhouse located on a corner of the Mohler homestead. He attended Washburn Academy and a Topeka business college. In 1914 he was granted an honorary LLD degree from Washburn University. In 1946 Kansas State College conferred a degree of Doctor of Agriculture on Mr. Mohler.

His contributions to Kansas agriculture were many. Farm laws administered by the board increased from 7 in 1914 to nearly 40 at his retirement. Hundreds of publications were issued. He initiated the farm safety program. He set up Kansas crop reports, until the co-operative agreement with the U. S. Bureau of Agricultural Economics was worked out. He served as chairman or member of dozens of agricultural groups. During World Wars I and II he was active on the State Defense Council. He was a member of the Board of State Fair Managers; of Board of Governors of American Royal; was cited in 1947 for outstanding service to 4-H Clubs. He traveled to many farms and meetings over Kansas to keep in



DIFFERENCE in these birds is result of improvement in feeds thru research since 1927. Dr. R. M. Bethke, right, of Ralston-Purina Co., holds bird fed on a 1952 ration. Dr. P. E. Sanford, left, of the college, holds bird fed on ration in use in 1927. Both men were on feed conference program at Kansas State College.

porary directors, at a meeting in Topeka February 26.

Selected as temporary directors: Leon Baker, Jr., vice-president, Snyder Chemical Co., chairman; Luther Willoughby, Extension agronomist, Kansas State College; Harold Saffrin, Kansas Agricultural Chemical Co., Junction City; Cecil Fluty, Farm Belt and Wichita Fertilizers, Wichita; W. P. Glaspey, Blue Valley Fertilizer Co., Marysville; Jim Gillie, Thurston Chemical Co., Joplin; Mike Burns, *Kansas Farmer*.

### Three Kansans Elected

Three Kansans were elected to the executive committee of the National Association of Silo Manufacturers, at annual meeting at Chicago recently. They are: Chester Anderson, McPherson; Leon Dodson, Wichita, and Byron Radcliff, Wichita.



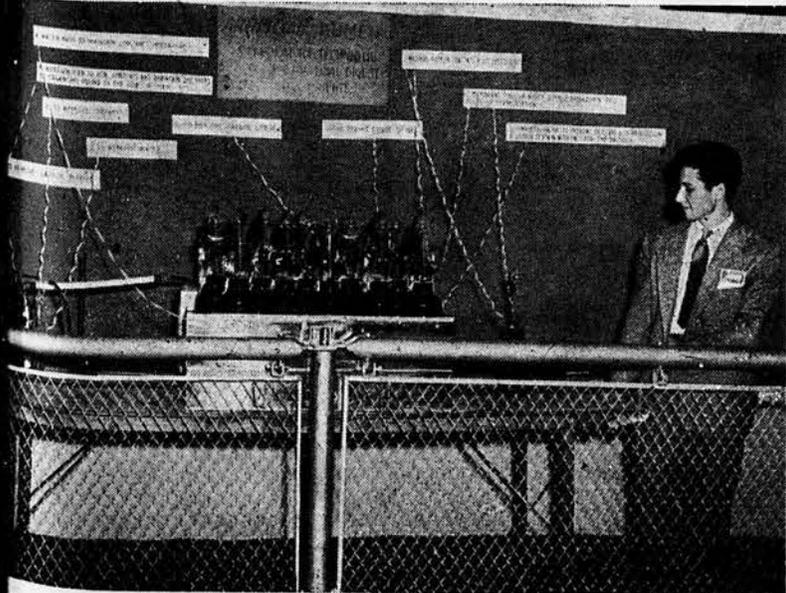
(Cut courtesy Topeka Daily Capital)

J. C. Mohler

close touch with the state's agriculture and people. He was a Shawnee county farm owner.

Many Kansas farmers, officials and friends have paid him glowing tributes for his service to agriculture and as an outstanding person and citizen.

At the Board of Agriculture's annual meeting in January, 1948, an oil portrait of Mr. Mohler was presented to the state of Kansas. Thousands of friends contributed to the purchase. The portrait now hangs in the office of the present secretary, Roy Freeland, in the state capitol.



SEE WHAT GOES ON inside a cow! This collection of laboratory apparatus duplicates chemical action of the rumen, and is used in nutrition research. Its designer, Jean Raddisson, shown here, is a graduate student at Kansas State College.

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# What Kind of Farmstead Do You Want?

This article tells exactly how to go about making plans, placing buildings, ending up with a layout of beauty and utility

*Editor's Note: This is first of 2 articles on farmstead planning under the Kansas Balanced Farming Program. It deals with basic steps in farmstead planning. Second article will outline an ideal farmstead and farm home arrangement.*

By DICK MANN

**S**URE AS SPRING follows winter, several hundred Kansas farm families this year will start construction of an entirely new farmstead, or undertake to remodel an old one. How well you plan this most important step in your farm career will determine whether you end up with a "working tool" type of farmstead or a "beautiful monument."

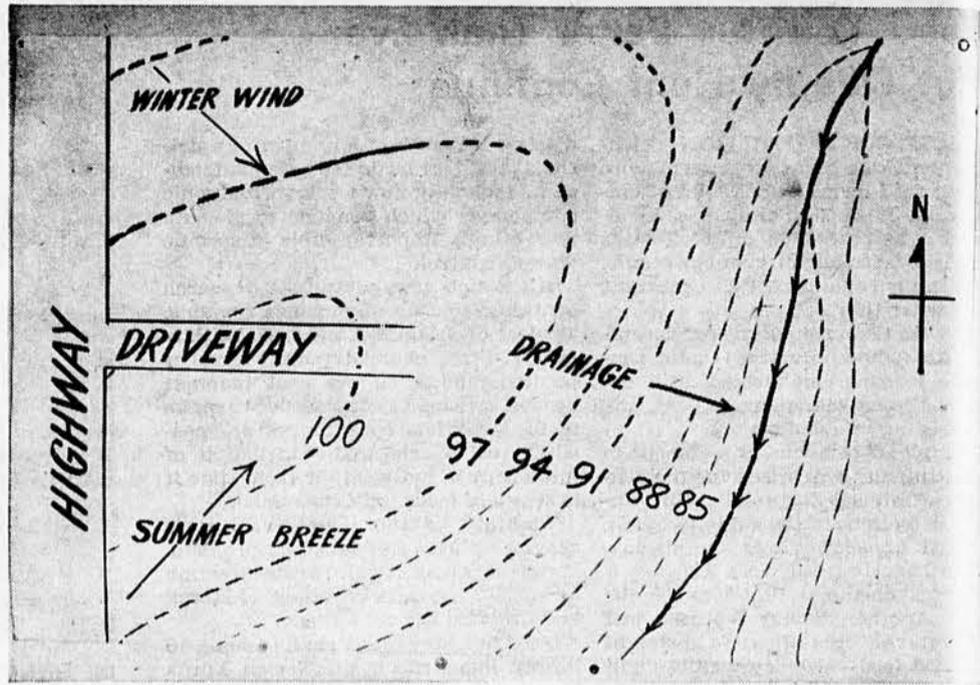
This is the theory being followed by Extension specialists from Kansas State College who are conducting this year's farmstead planning schools. Co-operating in the schools are Charles E. Parks, landscape architect; Harold Gallaher, forester; Leo T. Wendling, agricultural engineer, and Raymond L. Everson, architect.

"Farm buildings," says Mr. Wendling, "should not be monuments. They are your tools. They must work, earn, increase production, and save time and labor. The farmstead is your business headquarters. It is the hub from which all farm work starts."

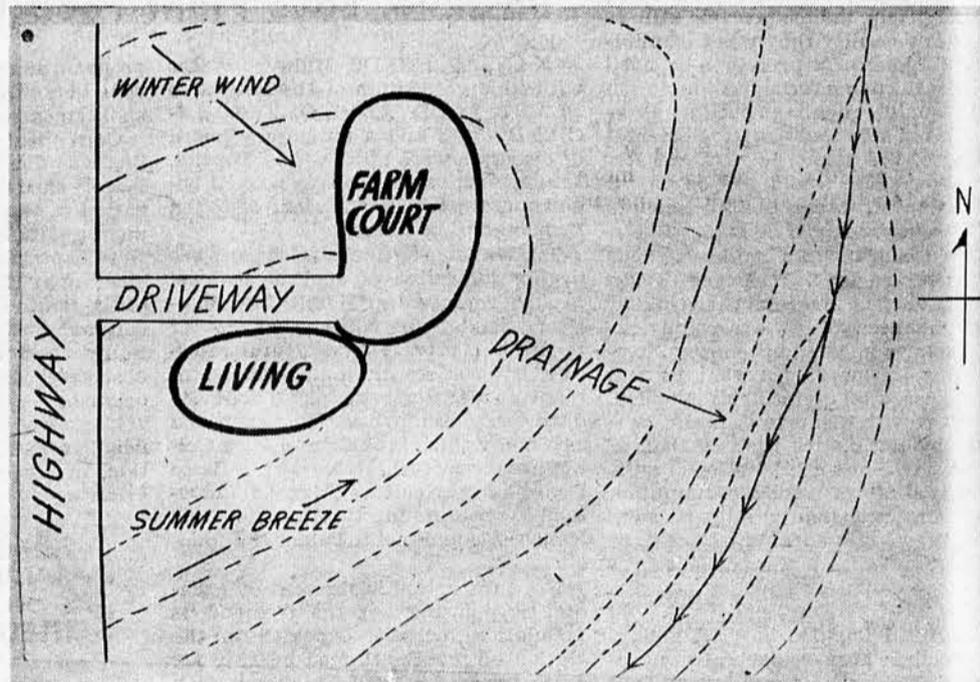
If your problem is one of building an entirely new farmstead, the specialists have worked out a definite plan of procedure.

First, you must select the site. In making your selection, they say, you should consider the following points. Access with respect to the farm as a whole and with respect to public facilities such as roads, electric and telephone lines and natural-gas lines.

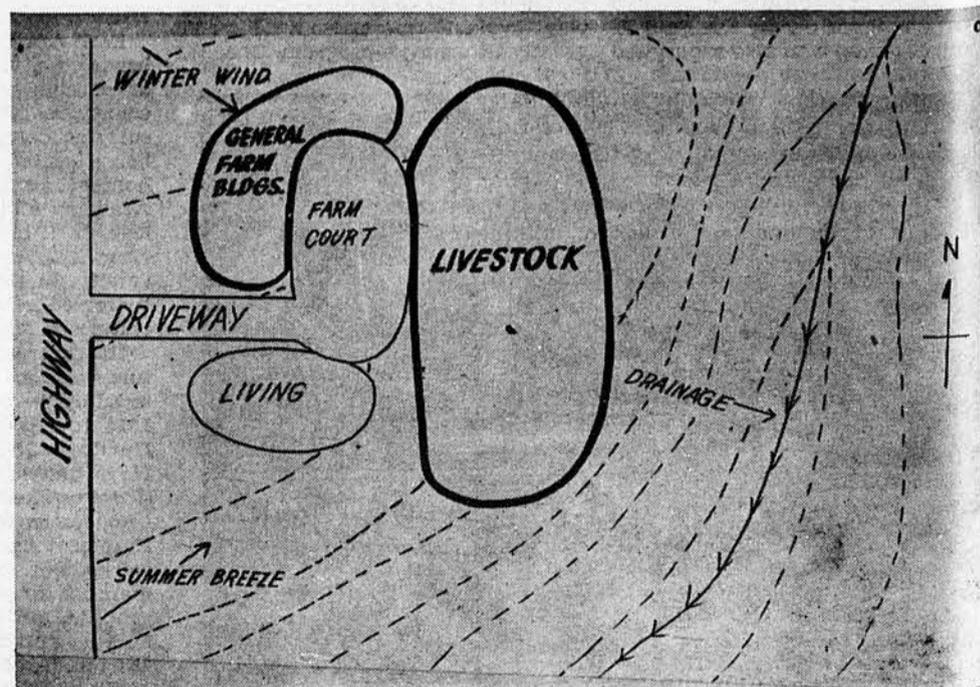
Second, consider elevation and drainage. If possible, the house should be on slightly higher ground than outbuildings with drainage away from house. [Continued on Page 33]



FIRST STEP in laying out a farmstead is to show drainage, wind directions and driveway location.



SECOND STEP: Add the living area and the farm court, as shown here.



THIRD STEP shows ideal locations for general farm buildings and livestock facilities. Then you can fit each building you plan into over-all layout.

*Steps in Farmstead Planning*

1. PREPARE A MAP OF FARMSTEAD SITE
  - (a) SCALE & DIRECTION
  - (b) DRAINAGE & WINDS
  - (c) LOCATION OF FACILITIES
2. LIST BASIC FARMSTEAD NEEDS
3. DEVELOP A TRAFFIC SYSTEM
4. LOCKE GEN. AREAS FOR ACTIVITIES
5. SELECT ACTUAL BUILDING SITE



# Kansas Farmer

## News and Comment

### Seriously Neglected

REPRESENTING every recognized farm organization and group in the state, and every phase of our agricultural activities, the Kansas State Board of Agriculture held its annual meeting in Topeka, January 14 to 16. If you wanted to know what other farmers in the state were thinking, that was the place to be. If you wanted to know what problems are facing other farmers across the state—and answers to some of those problems—that 3-day meeting was the place to be.

While delegates are sent to this meeting from all farm organizations and groups, all sessions are open to the public. You may be interested in remembering this next January.

Having done such an outstanding job of production under varying conditions thru the past years, these Kansas farmers have a right to point out things that need correcting. For example: "We feel marketing, one of the most vital phases of our agriculture, has been seriously minimized and neglected. We urge the U. S. Department of Agriculture to intensify its efforts in finding new and more efficient methods in moving agricultural products to the consuming public . . ."

"We recognize the problem of low prices received by Kansas producers for their eggs, as compared to prices received by producers of other states. We recognize that in a large portion of the Kansas egg trade, prices do not accurately reflect the quality of product sold by producer and purchased by consumers. We commend the efforts of various agencies to study and correct this situation, and we favor intensification of effort toward solving the Kansas egg marketing problem . . ."

Certainly following adequate and high-quality production, farmers are entitled to a price that will pay cost of production and a profit equal to profits made in other lines of endeavor.

### Can Use More Electricity

"While we like to boast that nine out of ten of our farms have electricity available, still only about one per cent are estimated to be taking full advantage of this new source of power," stated L. J. Blythe, White City, before the annual Board of Agriculture meeting in Topeka. He is president of the Flint Hills Rural Electric Cooperative Association.

"So rapid has been the advance of rural electrification, it is apparent today grade-A dairy production cannot be undertaken successfully without use of electricity. Most of Kansas milk is produced from small herds because hand milking limits the number of cows that can be taken care of by one man. Electric milking

machines have made it possible for the same amount of labor to at least triple the size of the dairy herds. Electricity enters into every phase of producing better foods from the farm."

### What You Can Expect

WHAT CAN AGRICULTURE expect from the new Administration? Answering this question before the annual meeting of the Kansas State Board of Agriculture in Topeka, January 15, Senator Frank Carlson, of Kansas, said: "I am not authorized, of course, to speak for the Administration. But in my position I will have an opportunity to help the new Administration carry out its policies affecting not only agriculture, but other phases of our governmental and economic structure . . . We can, I assure you, expect and will receive from the President-elect and his Administration strong leadership for the protection of the farmers' income and a continued improvement of the farmers' social and economic position . . ."

"In recent years, unprecedented goals have been fixed for our farmers . . . farmers cannot be expected to carry the full responsibility alone. The Government must, in my opinion, assure the farmer, insofar as is humanly possible, that in meeting these great goals, the Government will share the great risks that are involved . . ."

"No one expects industry to produce at a loss . . . no one should ask the farmer, or expect the farmer, to produce at a loss . . ."

### College Always Ready

KANSAS FARMERS are asking: How can I adjust my winter livestock operations to the present short supply of high-quality roughages? Is corn a good buy this season? How about molasses? How can I get the most out of silage? What is my cheapest source of protein? How much do I need? How can corn cobs be fed? To what extent can wheat straw be fed?

These questions and the answers are given in "Winter Feeding Problems, 1952-53" report No. 5, Agricultural Experiment Station, Kansas State College, Manhattan. Write there for a copy.

### In This Issue . . .

DON'T MISS the article about deferred feeding starting on page 1, this issue of *Kansas Farmer*. It will help answer questions you may have about it being sound business. We would like to add this note in connection with the article. Something is being done to help buyers find uniform calves. The Kansas Shorthorn Breeders' Association held a feeder calf sale at Salina in 1952. So did the Kansas Aberdeen-Angus Association. Local Hereford sales were held at Parsons, Hiawatha and Alma. The Kansas Hereford Association is planning 3 sales next fall.

AND DON'T OVERLOOK the feature article on page 6, if you are among farm families needing a new or remodeled farmstead. It gives the basic steps in farmstead planning. And in the Home Department, read about the new Master Homemakers group.

### Soil Saving Gets Ahead

BIGGEST YEAR in history for Soil Conservation Service helping Kansas farmers and ranchers in SCS districts plan and establish more conservation was 1952.

In the yearly report just issued, F. J. Sykes, state conservationist, reports new co-operators



"Roads are much safer to drive when they are dry—and the driver, too."

"Some of the best-educated folks come from the school of hard knocks even in this day and age. Class yell: Ouch. Class colors: Black and blue."

"Personality comes from good health and good looks. Character is something acquired painstakingly. Personality attracts a lot of curious interest. Character commands respect and admiration. Most folks are lucky, they have both."

"Your boy friend has that certain something."

"I'll be glad when he has something certain."

"Anything breakable in this package?"  
"Nothing but the Ten Commandments," said the lady mailing a Bible."

"Peace cannot be kept by force, it can only be achieved by understanding. But it sometimes takes force to achieve that understanding."

"It takes a lot of bolts to hold a car together, but only one nut to scatter it all over the highway."

"Why isn't there any cream on this bottle of milk?"

"Oh, we just fill our bottles so full of rich milk there is no room for it."

with the 103 districts numbered 5,920. This is about 2 per cent more than new co-operators in 1951. Total number now is 47,500, with 13,000,000 acres represented.

During 1951, surveys were made on 2,199,500 acres to determine land capabilities and needs, bringing total so surveyed in Kansas to 17,342,300 acres. Surveys are used to plan and apply soil and water conservation measures to fit the land.

Here are 1952 results: Terraces, 12,900 miles, 71,250 present total; seeding range and pasture, 85,300 miles, 387,300 miles total; contour farming, 343,700 acres, 2,537,100 acres total; stockwater ponds, 2,700, 16,100 total; leveling land for irrigation, 9,000 acres, 55,700 acres total; grassed waterways, 8,300 acres, 67,200 acres total.

During 1952 there was increase in small groups of farmers and ranchers working out problems together at meetings with SCS technicians—800 such groups during the year.

The report gives a full detailed description of all phases of the work completed and underway.



"See who's at th' door, dear. I wonder who could be callin' on us out here in this wilderness?"



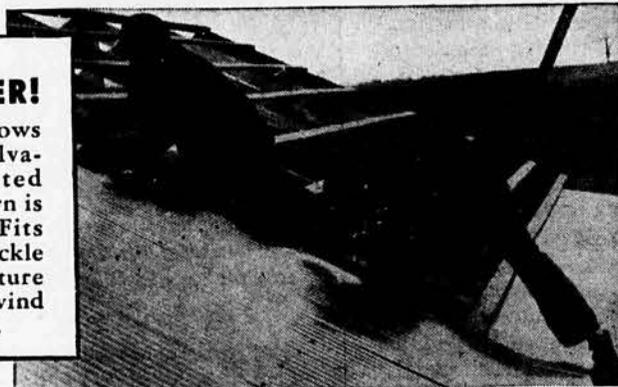
"No use starting now. It's beginning to snow again!"

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# FREE! New Booklet Shows How You Can Build for Farm and Ranch Stronger, Easier, Cheaper the **STRONGBARN** Way

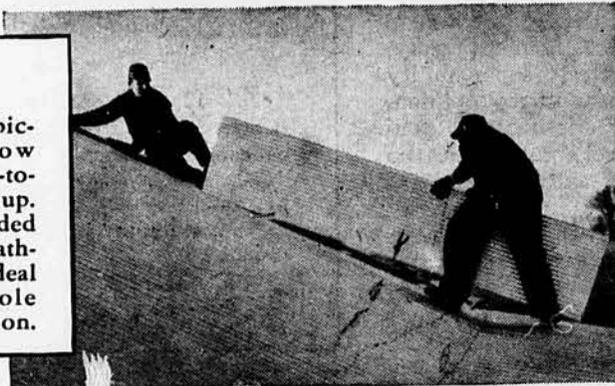
## 1. STRONGER!

New booklet shows how tough, galvanized corrugated steel Strongbarn is 56% stronger! Fits tight, won't buckle or bend, puncture or tear under wind and snow loads.



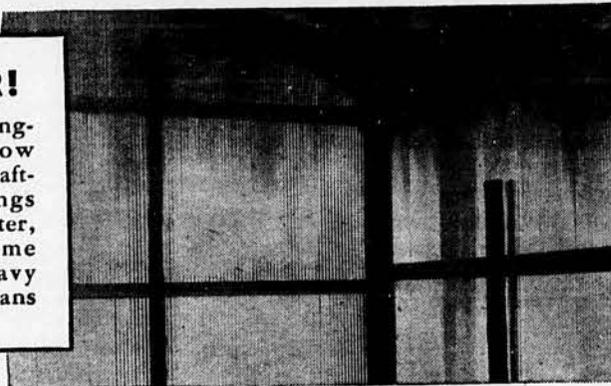
## 2. EASIER!

Diagrams and pictures show how lightweight, easy-to-handle sheets go up. No decking needed for roofs, no sheathing for sides. Ideal for popular pole frame construction.



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## Kansas Farmers Want More Effort Devoted to Finding New Markets

Board of Agriculture meeting in Topeka elects William Condell, El Dorado, president; hears current problems discussed

ASSURANCE "the new administration in Washington will not pull the rug out from under agriculture," was given by Senator Frank Carlson, January 15 in a speech before delegates to the 82nd annual meeting of the Kansas State Board of Agriculture.

In stating a favorable farm program will be carried out, Senator Carlson reminded delegates that "no one expects industry to produce at a loss. No one expects labor to give its services at a wage not in keeping with the high standard of living of our Nation, and certainly no one should ask the farmer, or expect the farmer, to produce without the same assurance."

William Condell, of El Dorado, was elected president of the board for 1953. Lew Galloway, of WaKeeney, was elected vice-president, and Everett Erhart, of Stafford, treasurer.

The Kansas Dairy Association re-elected P. D. Turner, Sabetha, as president, with Nick Fenema, Winfield, vice-president, and Harry Dodge, Topeka, secretary-treasurer.

Delegates to the Kansas Fairs Association elected Harold D. Shull, St. Francis, president. Fred Arnold, Cottonwood Falls, was elected vice-president, and Everett E. Erhart, Stafford, was re-elected secretary-treasurer.

Dairymen attending their division of the state board meeting agreed they needed to do 2 things. Increase their effort to acquaint the buying public with the value of dairy products, and do a better job of educating Kansas dairymen to the value of work being done by the American Dairy Association.

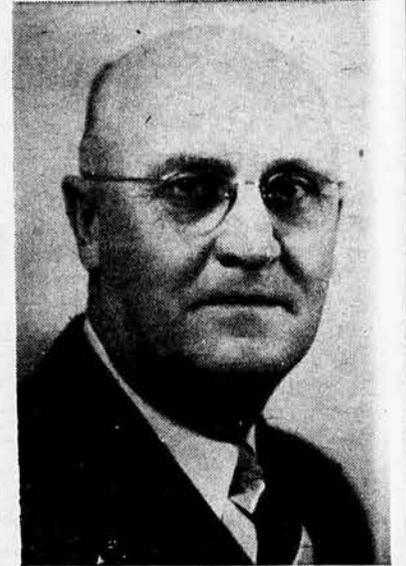
### Dairymen Watch Competition

The group also passed a resolution asking that no change be made in present state laws that would allow substitution of vegetable fats and oils for all or part of the butterfat in dairy products. In addition, they asked that efforts be made to bring the processing and storing of vegetable oils and fats under the same sanitary regulations now required for dairy products.

Members of the Kansas Fairs Association want to be represented on the Kansas centennial committee for 1954. They are making plans for county fairs to conduct a Kansas Centennial Queen contest that would end during the Kansas State Fair in Hutchinson in 1954.

Both old and new irrigators make about the same mistakes, delegates were told by Andrew B. Erhart, superintendent of the Garden City Branch Experiment Station. "The most common mistake in using irrigation water," he said, "is in using too little too late."

Discussing livestock diseases in Kansas, A. G. Pickett, state livestock sanitary commissioner, indicated no disease is out-of-hand at present. Most serious threat, he believes, is from vesicular exanthema in areas where much raw garbage is fed to hogs. He reported



WILLIAM CONDELL, President Kansas State Board of Agriculture

great progress in calfhood vaccination as a control for Bang's disease.

"Anhydrous ammonia serves as an effective source of nitrogen for crops," delegates were told by Dr. R. V. Olson, head, agronomy department, Kansas State College. "Use of anhydrous ammonia, at such rate as to supply either 30 or 60 pounds per acre of nitrogen, gave fully as good results with wheat as did ammonium nitrate when applied just ahead of planting," he said. He indicated anhydrous ammonia is not too good for sandy soils, and that for all soils it should be applied when soil is moist.

### More Research Needed

Harold Myers, assistant dean of agriculture, Kansas State College, appealed for more agricultural research—especially basic research—to insure future progress of agriculture in supplying the needs of a hungry world.

Two speakers, D. N. McDowell, director, Wisconsin State Department of Agriculture, and Rolla B. Holland, dairy commissioner, Kansas State Board of Agriculture, touched on pressing dairy problems. Mr. McDowell believes we should put new emphasis on the non-fat solids in milk as the cheapest source of animal protein, and on the fact there is no substitute for butter. "Products using vegetable oils or fats should be recognized as a separate food," he pointed out.

Mr. Holland emphasized the fact 4 states have legalized sale of vegetable oil in ice cream and 18 more states are considering such legislation. Such inroads pose a serious threat to the entire dairy industry, he believes.

An explanation of proposed watershed legislation in the current Kansas legislative session was made by Chandler F. Jarvis, chairman of the State (Continued on Page 31)

## THE PRESIDENT'S PRAYER

Before he gave his inaugural address, January 20, 1953, President Dwight D. Eisenhower offered this prayer. He wrote it just an hour before he took the oath of office:

"Almighty God, as we stand here at this moment my future associates in the executive branch of the government join me in beseeching that thou will make full and complete our dedication to the service of the people in this throng and their fellow citizens everywhere.

"Give us, we pray, the power to discern right from wrong and allow all our words and actions to be governed thereby and by the laws of this land.

"Especially we pray that our concern shall be for the people, regardless of station, race or calling. May co-operation be permitted and be the mutual aim of those who, under the concept of our Constitution, hold to differing political beliefs so that all may work for the good of our beloved country and for thy glory. Amen."



To modern farmers who demand the new calf feeding benefits made possible by nutritional science . . .

# 1. New CAF-O-LIFE Milk Replacer

Costs only about half as much as the whole milk it replaces . . . you can profit from the sale of an extra 300 to 500 lbs. of milk per calf.

Safely replaces whole milk because this new Caf-O-Life Milk Replacer is made from highly-digestible nutrients obtained almost entirely from milk sources. And, by feeding Caf-O-Life Milk Replacer you give your young calves . . .

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than calves on feed without antibiotic.

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Easy to feed . . . and Caf-O-Life Milk Replacer does not settle out in pail or clog pail nipples.

Your calves deserve this new body-building, health-protecting help. See your Nutrena Dealer now for Caf-O-Life Milk Replacer and start after fast, low-cost gains.



Safely Replaces Most of the Milk

# 2. New CAF-O-LIFE Starter Pellets

Watch your calves take eagerly to these tasty new Caf-O-Life Starter Pellets. They're stepped-up with Nutrena's special Livium to give calves guaranteed effective antibiotic power from 4 days to 8 weeks.

Tests prove this antibiotic power helps calves resist scours, and get off to a fast, healthy start. Plus that, new Caf-O-Life Starter Pellets are designed to give calves . . .

An entirely new balance of important vitamins, protein, and other nutrients necessary to support antibiotic growth power. And Nutrena

has fortified these calf-size pellets with energy-packed rolled oats for high appetite appeal. And Caf-O-Life Starter Pellets are . . .

Tailor-made by Nutrena to be fed with Caf-O-Life Milk Replacer, or can be used to give antibiotic growth power to any milk feeding program. Simply feed free choice.

Why not see what these new Caf-O-Life Starter Pellets can do to help your calves put on fast, low-cost gains. Be sure to order a supply of new Caf-O-Life Starter Pellets from your nearby Nutrena Dealer this week.



4 Days to 8 Weeks

# 3. New CAF-O-LIFE Grower Ration

Continue fast calf gains clear through to six months with this revolutionary new Caf-O-Life Grower Ration. Months of Nutrena research have made this new feed an answer for every calf raiser who wants modern growth power in a complete ration for growing calves. You need feed nothing else except roughage, because Caf-O-Life is . . .

A complete feed — built with high levels of the important known elements calves need for fast, economical growth from 8 weeks all the way to 6 months of age.

Gives your calves a balanced combination of nutritious Livium-fortified pellets and crimped grains for fast growth power and high appetite appeal. Calves love this tasty new feed.

It's easy to feed — simply feed Caf-O-Life Grower Ration free choice. Or, can be hand-fed.

Why risk getting only hit-or-miss results? Give your calves this complete new Caf-O-Life Grower Ration and go after the kind of healthy, vigorous heifers you're proud to own. See your Nutrena Dealer for a supply of new Caf-O-Life Grower Ration.



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## COMING EVENTS

February 9—Seward county 4-H leader training school with John Hanna, of KSC, People's Bank community room, 10 A. M.

February 9—Brown county soil conservation annual district meeting, Memorial auditorium, at Hiawatha, 7:30 P. M.

February 9—Wabaunsee county poultry school, at Eskridge.

February 9—Jackson county winter school with L. E. Willoughby, Dell Gates and Claude King, of KSC, Holton, 2 P. M.

February 9—Wallace county lamb and wool school, at Goodland.

February 9—Cowley county winter dairy school with Ralph Bonewitz and marketing specialist from KSC, Winfield, at 10 A. M.

February 9—Dickinson county Artificial Dairy Breeding Association annual meeting, at Abilene, Sterl Hall, 7:30 P. M.

February 9—Rush county garden meeting with William G. Amstein, of KSC, LaCrosse courtroom, 10 A. M.

February 9—Grant county meeting on use of electrical equipment and silo design with Harold Ramsour and Leo Wendling, of KSC, Ulysses 4-H building, 10 A. M.

February 9-10—Ottawa county consumer education leader training school, Extension room, 10 A. M.

February 10—Brown county Northeast Kansas Beef Breeders' banquet and annual meeting, at Horton, 7:30 P. M.

February 10—Barber county irrigation school with Walter Selby and Billy Bryan, of KSC, Medicine Lodge, 10 A. M. to 3 P. M.

February 10—Chautauqua county dairy school with Ralph Bonewitz and Raymond Stewart of K.C. at Sedan.

February 10—Linn county crop and livestock school with E. A. Cleavinger and Wendell Moyer of KSC, Mound City courthouse.

February 10—Elk county 4-H officer and leaders training meeting on record books, USDA building, at Howard, 7:30 P. M.

February 11—Elk county winter dairy school with Ralph Bonewitz and Raymond Stewart of KSC, USDA building, at Howard, all day.

February 11—Chautauqua county 4-H leader training meeting with Roger E. Regnier and J. H. Coolidge of KSC, at Sedan.

February 11—Ottawa county Artificial Breeders' Association board meeting, Extension room, 8 A. M. to 10 A. M.

February 11—Doniphan county crops and soils school with L. E. Willoughby, Dell Gates, and Claude King of KSC, Troy, 10 A. M. to 3 P. M.

February 12—Kingman county 4-H recreation training school, at Kingman.

February 12—Brown county crops and soils school, at Memorial auditorium, 9:30 A. M. to 3 P. M.

February 12—Dickinson county district sheep and wool school, at Abilene, Sterl hall, 10 A. M. to 3 P. M.

February 12—Shawnee county poultry school, with M. A. Seaton of KSC.

February 12—Pottawatomie county farm house remodeling and construction meeting at Wamego.

February 12—Comanche county soil conservation annual meeting, Coldwater, 12 P. M.

February 13—Barton county leader training and special interest on horticulture pruning with W. G. Amstein of KSC.

February 14—Hamilton county spring 4-H festival, at Syracuse.

February 13—Nemaha county winter school in crops, entomology and plant pathology with L. E. Willoughby, Dell Gates and Claude King of KSC, Seneca, A. M. and P. M.

February 13—Butler county dairy school with Ralph Bonewitz and Raymond Stewart of KSC, El Dorado, at 10 A. M.

February 13—Grant county 4-H leader training school with John Hanna, of KSC, Ulysses 4-H Club building, 10 A. M.

February 13—Seward county meeting on how to use electricity, with Leo Wendling and Harold Ramsour of KSC, 4-H Club building, 10 A. M.

February 13—Osage county crops and livestock school, at Osage City, high school building, 10 A. M.

February 16—Smith county winter crops school with L. E. Willoughby, Dell Gates and Walter Selby of KSC, at Smith Center community hall, 10 A. M. to 3 P. M.

February 16—Ellsworth county livestock and feed outlook meeting, at Ellsworth.

February 16—Woodson county 4-H officers and leaders training school, at Yates Center, courthouse, 10 A. M.

February 16—Barton county junior leaders night meeting.

February 16—Doniphan county soil conservation annual district meeting at Troy, 10 A. M. to 3 P. M.

February 17—Doniphan county farm management meeting with Harold C. Love of KSC, at Troy, From 1 to 3 P. M.

February 17—Jewell county winter school on crops, entomology and soil conservation, Man-kato city hall, 10 A. M.

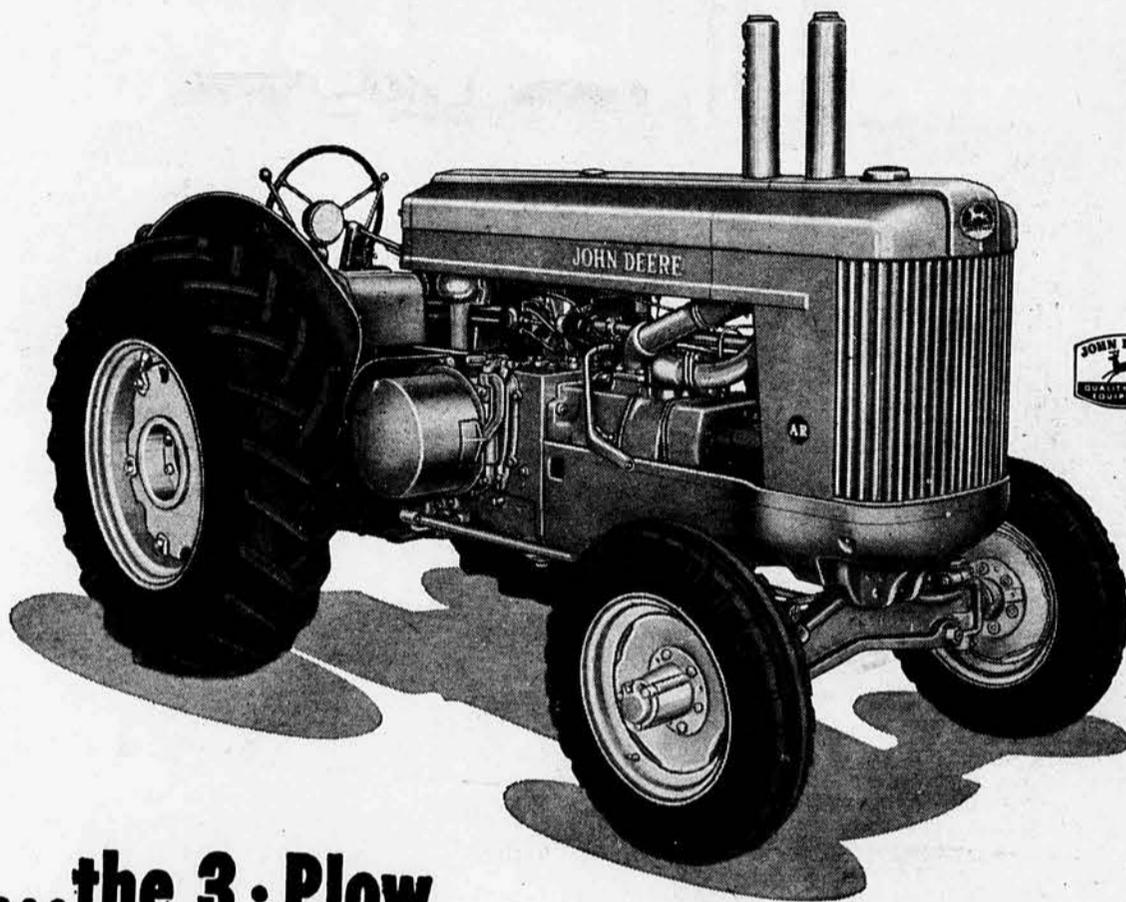
February 17—Barber county Comanche Here-

(Continued on Page 11)



"We're Cold - We Want Some Feathers."

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## ...the 3-Plow John Deere "AR" for medium-size farms

It takes the *right* power to reap maximum profits from medium-size farms—husky, easy-to-handle power . . . economical, dependable power . . . the kind of power that's yours in a John Deere "AR" Tractor.

The "AR" is a full 3-plow tractor that will handle your equipment at maximum capacity. Its greater traction—thanks to better weight distribution—keeps you on the move in even the toughest conditions. It's a tractor that brings you easier handling through automotive-type steering . . . smoother riding, thanks to the deep-cushion

seat and oscillating front axle . . . greater maneuverability with foot-operated differential brakes . . . and smooth, positive, effortless equipment control with direct, engine-driven John Deere Hydraulic Powr-Trol.

On every job, day after day, year after year, the "AR" will save you money. Its powerful engine is a miser on fuel. And the *unequaled* simplicity . . . the *unmatched* strength of parts of exclusive John Deere *two-cylinder* design assure lower maintenance costs, greater field dependability, and longer life.



At the left, the "AR" is shown disking-in grain stubble with a 12-foot Surfex Disk Tiller. The "AR" has a six-speed transmission which provides just the right speed for every job. You can creep along or speed along as the job requires. The "creeper" gear of 1.3 mph is ideal for drawbar jobs that require a slow travel speed. Power-driven equipment can be pulled along at a slow, steady pace, with the power shaft operating at full rpm to drive the equipment at maximum capacity. The transport speed or road gear of 11 mph saves valuable time in getting to and from the job.

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# S with the RIGHT POWER



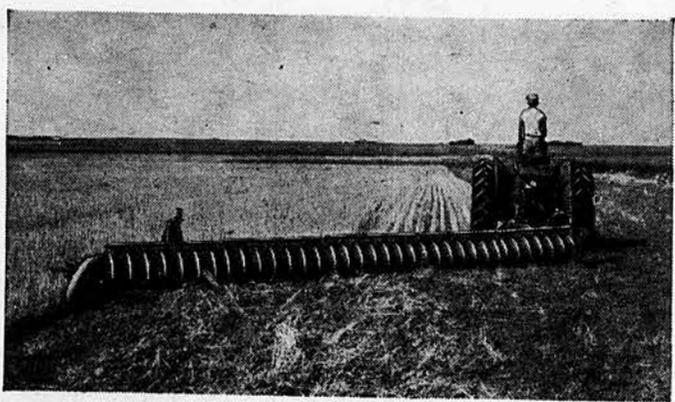
## the 4-5-Plow "R" DIESEL for large acreages

Powerful, amazingly economical, and designed with every modern tractor feature, the John Deere Model "R" Diesel meets every need of large-acreage grain growers. It's a proved performer with the power, traction, and speed to handle a 20-foot Surflex Tiller, 5-bottom plow, tandem hookups of rod weeders, grain drills and similar big-capacity, time-saving equipment at peak efficiency in practically any condition. Best of all, the Model "R"—thanks to the controlled combustion of its air-cell type pistons—will do more work on less fuel than any other tractor in its

class. It's a tractor that can save you several hundred dollars a year on fuel costs alone.

Like the "AR," the Model "R" Diesel offers the extreme ease of handling of automotive-type steering . . . the better traction of proper weight distribution . . . effortless implement control through smooth, positive hydraulic Powr-Trol, plus the unmatched strength and simplicity—greater dependability and longer life—of exclusive John Deere two-cylinder design.

This Model "R," at right, is pulling a 20-foot John Deere Surflex Tiller. The tiller—one of many machines John Deere has developed to take full advantage of the power and speed of the "R"—covers between 8 and 10 acres an hour on about 2 gallons of Diesel fuel, cutting time and production costs to new lows. Famous John Deere Hydraulic Powr-Trol raises, lowers, and sets the tiller—and other big-capacity equipment—at any in-between position desired at a touch of the hand on the convenient control lever.



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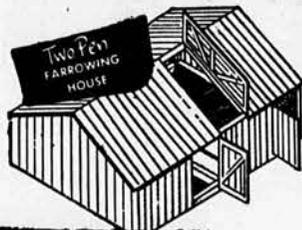
Town \_\_\_\_\_ State \_\_\_\_\_

- ford Breeders' Association show and sale, at Kiowa, Cal Dole, secretary, Medicine Lodge.
- February 17—Coffey county farm management and 4-H Club work winter school at Burlington.
- February 17-19—Conservation Contractors Conference at Manhattan.
- February 18—Scott county dairy meeting at Scott City.
- February 18—Phillips county Artificial Breeders' Association annual meeting at V.F.W. Hall, 10 A. M.
- February 18—Morris county housing tour. Leave Extension office, Council Grove, at 9:30 A. M.
- February 18—Cherokee county welding school with John M. Ferguson and Harold E. Stover of KSC. Day meeting, at Columbus.
- February 18-19—Southwest Agricultural Congress, at Garden City.
- February 18-19—Labette county weed conference, at Topeka.
- February 19—Labette county engineering school with John M. Ferguson and Harold E. Stover of KSC, Altamont, at 8 P. M.
- February 19—Kearny county winter school on farm structures, at Lakin.
- February (tentative)—Kearny county soil conservation annual district meeting, at Lakin.
- February 19—Hodgeman county livestock marketing meeting, Jetmore courtroom.
- February 19—Cloud county livestock and marketing school, at Concordia high school.
- February 19—Jackson county farm management outlook meeting with Harold C. Love of KSC, Holton, at 2 P. M.
- February 20—Morris county winter agronomy meeting with E. A. Cleavinger and Claude L. King of KSC, Wilsey community hall (tentative).
- February 20—Ness county livestock outlook meeting with Ray Hoss and Lot Taylor of KSC, Ness City at 1:30 P. M.
- February 20—Bourbon county 4-H record training school, at Fort Scott courthouse, 10 A. M.
- February 20—Ottawa county winter livestock and grain marketing school.
- February 21—Barton county 4-H Club day, at Hoisington.
- February 22—Marshall county 4-H Club spring festival.
- February 23—Pratt county winter crops and livestock school, at Pratt, club room, 7:30 to 10 P. M.
- February 23—Butler county crops and beef meeting, at El Dorado, 10 A. M.
- February 23—Elk County Livestock Association educational night meeting on livestock diseases, at Howard fair building, 8 P. M.
- February 23—Ottawa county winter crops school with L. E. Willoughby and Dell Gates of KSC, Extension room at 10 A. M.
- February 23—Smith county 4-H leader training meeting with Glen Busset of KSC, at Smith Center community hall, 10 A. M. to 3 P. M.
- February 24—Elk county welding school with Harold E. Stover and Harold Ramsour of KSC, Howard USDA building at 10 A. M.
- February 24—Cloud county agronomy and entomology school, at Concordia high school.
- February 24—Barber county 4-H officers and leaders training school with Raymond Fort of KSC, at Medicine Lodge.
- February 24—Barton county landlord-tenant policy meeting with C. R. Jaccard and J. H. Coolidge of KSC.
- February 24—Jewell county 4-H meeting with Glen M. Busset of KSC, at Mankato city hall, 10 A. M.
- February 24—Labette county poultry school with M. A. Seaton of KSC, Altamont, 8 P. M.
- February 24—Doniphan county Artificial Breeders' Association annual meeting at Troy, 8 to 10 P. M.
- February 24—Kiowa county correlated crops and livestock school with Frank Bieberly and Lot F. Taylor of KSC, Greensburg community building at 7:30 P. M.
- February 24-25—Cherokee county leaders training lesson on home furnishing with Mrs. Winona Starkey of KSC. Day meeting at Columbus 4-H building.
- February 25—Smith county winter livestock school with Norman Whitehair, Ray Hoss and V. E. McAdams of KSC, at Smith Center community hall, 10 A. M. to 3 P. M.
- February 25—Cherokee county winter school with M. A. Seaton of KSC at Columbus 4-H building.
- February 25—Elk county crops and livestock school with E. A. Cleavinger and Wendell Moyer of KSC. All day meeting at Howard USDA building.
- February 25—Leavenworth county Artificial Breeders' Association annual meeting.
- February 25—Chautauqua county farm shop welding school, at Sedan.
- February 25-27—Co-operative directors and managers conference at Manhattan.
- February 25-27—Agricultural conference for Kansas bankers at Manhattan.
- February 26—Jewell county livestock production and marketing school, at Mankato city hall, 10 A. M.



"I'll give them exactly five more minutes to finish that game!"

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Two Pen Farrowing House



Food Rack FOR SHEEP

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Grade "A" Dairy Barns



Build Low-Cost Modern Barns with Long-Bell Rafters



Turkey BROODING & BREEDING HOUSE



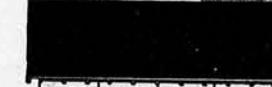
Poultry Feeder



Laying House



Poultry House



Laying House



Poultry House

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Plans for buildings shown and many others, are yours for the asking, at Long-Bell.

**Long-Bell LUMBER COMPANY**

**COMING, NEXT ISSUE . . .**

No problem in recent years has stirred up so much controversy in Kansas as that of flood control. In the February 21 issue of *Kansas Farmer*, we are starting a series of stories on water management in Kansas. These stories will try to bring you up-to-date on flood-control plans for Kansas, and point out some water problems which are not getting the attention they deserve.

To write these stories Dick Mann, associate editor, has gathered material from a wide range of authentic sources.

**No. 5 in series of articles on how to grow house plants**

**Ever Grow Coleus or Cyclamen?**

By FRANK PAYNE

EVERYONE must love COLEUS because you see so many grown in most farm homes. No other plant can give you such a variety of beautiful colored foliage in a regular crazy quilt of patterns. You can easily root the cuttings or slips, transplanting into small pots, then into larger pots as the plants grow.

COLEUS is a plant that must have a light, rich soil and frequent waterings. It must be pinched back every so often or it will grow into a straggly plant, when its real beauty is best shown in a nice, bushy, well-rounded plant. If allowed to grow without pinching back it soon goes to seed and destroys its beauty.

When danger of frost is past, plant outdoors and grow all summer in your flower bed. You then can make new cuttings late in summer or early fall for your winter house plant. Millions of these plants are grown in city parks and flower beds for their decorative beauty.

Millions of CYCLAMEN are grown by commercial greenhouses for Christmas trade and for sale in winter by florists. You may have bought or been given one if in a hospital during winter. The common name for CYCLAMEN is "Mock Orchids."

CYCLAMEN is a water-loving plant and please remember, it must be kept well watered when in bloom. Never allow the earth to become hard and dry. If you do the flowers droop. Now in watering, never permit water to stand on foliage. If it does the stems soon decay. CYCLAMEN does best in a cool, light room but resents strong sunlight, so do not place it in a south window.

When the plant is thru blooming, gradually withdraw the watering. About the first of May, set the pot in a dry place until September. Then remove dead leaves and repot in fresh soil. The bulbs do best wholly above the soil, so merely press them slightly into the surface of the earth and start watering sparingly to bring them into bloom in your home.

CHRISTMAS CACTUS is from the cactus family and has the common name of CRAB CACTUS but its Latin name is "ZYGOCACTUS TRUNCATATUS." No, I don't know how to pronounce it—all I do is tell you the name—you are on your own from then on. This plant is quite easily grown but is real touchy about watering it may receive. There are times when you must withhold watering. Too much water when buds are showing is almost sure to cause them to drop off. After the plant has bloomed, it then must have a good long rest for a couple of months and not much watering, just enough to keep it alive. In summer you can put it out on the porch and water say once a week when it then makes a nice growth getting prepared to give you some bloom about Christmas time or afterwards. My wife has several plants that bloom about January 9, which is her birthday, and that makes her have a special good will towards them. During summer we fertilize them about once a month.

Christmas Cactus came from the south part of Brazil. Blooms are a bright rose and the individual flower resembles a Fuschia. I have known of plants at least 25 years old growing in a small tub. We grow ours in medium size pots. They are increased from cuttings and root easily in sand slightly moistened, but not soggy wet.

**Grant Goes to 4-H Foundation**

National 4-H Club Foundation, Washington, D. C., announces receipt of a grant from the Fund for Adult Education, an independent organization established by the Ford Foundation.

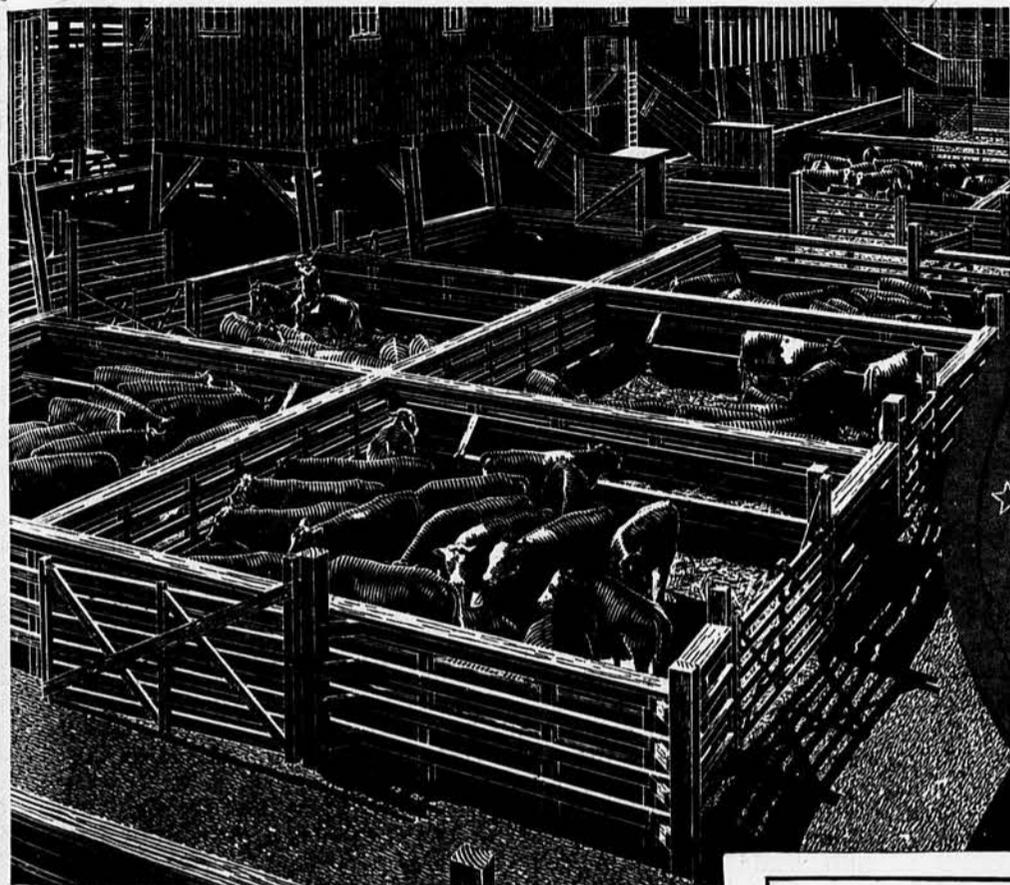
The grant is to be used to assist with a new experimental group discussion project among participants in Young Men and Women's program of the Extension Service. Fifteen groups will be set up. Appropriate films that tie in with discussions will be made available.

**WATER FOR THE HOGS**



FOR HOGS, Bert Wassenberg, Soldier, provides this drinking cup for year-around use. Cup is from regular barrel waterer, set in 15-inch well tile, 30 inches long. An old curler wheel just fits inside the tile. A float to keep water at desired level cost \$1.50. Plate under Mr. Wassenberg's hand is removed in winter to insert heat bulb.

# From Swift: \$1,971,627,518.00



That's the amount Swift paid to farmers and ranchers in 1952 for their livestock and other agricultural products.

**76.1** out of Swift's average sales dollar was paid to farmers and ranchers



A. L. Bruckner

When you read an annual report of a business, you expect to see facts and figures. On this page we present the dollars-and-cents accounting of Swift & Company's business operations for 1952. But behind those figures there is something more than cold statistics... it's the story of the people who make Swift's business possible.

Yes, Swift & Company is a business of people. We compete for livestock and other agricultural raw materials produced by farmers and ranchers. Many of the thousands of separate transactions are completed face to face. You know the Swift man with whom you deal. He knows you. If you sell through a commission man, he and the Swift livestock buyer know and respect each other.

Swift folks are a large group of people... 76,000 men and women who make up the Company's working force. They are employed in many capacities. There are buyers, route men, graders, testers, foremen, managers, etc. They have a hundred-and-one different skills and abilities. There are the Swift salesmen in their "red wagon" cars. These salesmen deal with most of the 300,000 retailers across the country who sell Swift meats and other products to consumers.

Swift shareholders make another large group... 65,000 people who invest their savings in the Company. They provide money for plants, tools, facilities, and capital for operating the business. These are men and women who come from every walk of life—farmers, ranchers, city folks, professional men, shopkeepers, mechanics... 30,573 are women.

To each group... farmers and ranchers, employees, customers and shareholders... Swift & Company's management has a responsibility. We must pay fair prices to the producers of raw materials; pay fair wages and salaries to employees; distribute and sell meat and other Swift products to retailers as economically as possible; maintain the highest standards of quality to please consumers... and, in the end, we must earn a fair profit for Company shareholders.

From the facts and figures on this page, you can judge for yourself how well the people who are Swift & Company lived up to their responsibilities to other people in 1952.

*A. L. Bruckner*  
Treasurer, Swift & Company

## Swift & Company

UNION STOCK YARDS • CHICAGO 9, ILLINOIS

Nutrition is our business—and yours

### Quick Facts on Swift's Business in 1952:

Total sales of all Swift's products and by-products brought in.....	\$2,592,630,543
Total expenditures* (including \$1,971,627,518 paid to farmers and ranchers).....	\$2,570,932,126
Total net earnings.....	\$ 21,698,417

\*Each average dollar received in 1952 from the sale of Swift's products was spent as follows:



#### EMPLOYEES EARNED 11 4/10¢

Wages and salaries paid to 76,000 Swift employees amounted to \$296,436,431.



#### TAXES TOOK 1 4/10¢

Federal, state and municipal tax bills added up to \$35,256,211.



#### SUPPLIES COST 4 8/10¢

Salt, sugar, containers, twine, paper, etc. accounted for \$124,886,957.



#### TRANSPORTATION COST 2 3/10¢

Swift products are moved an average of 1,000 miles from ranch and farm to retail stores. Freight and trucking bills were \$59,056,380.



#### OTHER BUSINESS EXPENSES 3 2/10¢

Depreciation, interest, research, marketing services, telephone, telegraph, postage, travel, etc. totalled \$83,668,629.



#### SWIFT'S NET EARNINGS 8/10¢

Net earnings of 8/10 of a cent of each average sales dollar produced a total of \$21,698,417 after all costs were met in 1952. Of this, \$11,844,392 was paid to shareholders in dividends on their shares in the Company. The balance was retained in the business to keep plants and facilities in efficient working order.

This total 8/10 of a cent of net earnings is such a small fraction of the Swift sales dollar that it cannot have any appreciable effect on either the price of meat or the purchase price of livestock.

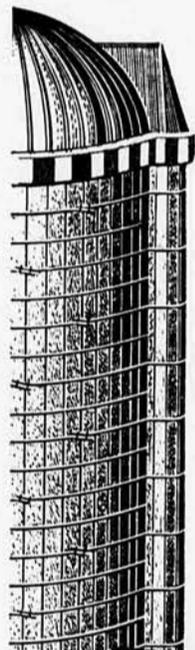
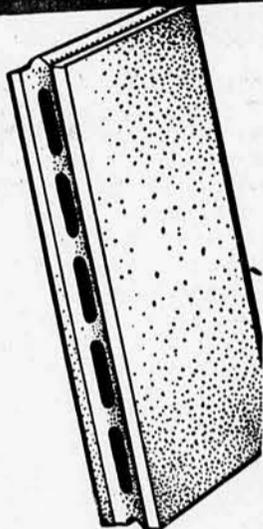
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# NEW AIR-CELL STAVE SILO

## Perfected for Endurance

- 3½ Times Stronger Than Ordinary Silos
- Plastic Lined
- Double Wall Construction
- Most Moisture-Proof Stave Available
- Defies Acid Eating
- Insulated Against Freezing
- Built-in Maintenance
- Guaranteed
- Field Tested for Years



**DODSONS** spent \$100,000 to bring you the Finest Silo on Earth at an Amazingly Low Price . . . Still Only \$3800 Down

Dodson's new Air-Cell stave silo is the strongest, best insulated and most impenetrable silo in the southwest. Here's why! The stave is compressed to the density of granite and is thicker than the ordinary stave . . . the air spaces between the double wall add greater protection against freezing . . . but most important, a plastic coating is applied to the inside making it harder than concrete, air-tight and impregnable to acids. It's the silo that provides greater protection against outside elements, yet maintains a mold-resistant, air-tight inside.

*The super-strength Air-Cell stave has passed rigid tests in adverse conditions. Thousands are already in use in the northern and eastern states. Dodson's are now producing this for the southwest and delivering to your farm for as little as \$38.00 down.*

### GET THE FACTS!

Even if you own a silo, send this coupon to find the facts on Dodson's new Air-Cell stave.

**DODSON'S**  
1463 BARWISE AVE.  
WICHITA, KANSAS

Tell me more about the new Air-Cell Stave Silo   
Send me literature on a cattle shed  Dairy barn

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

STATE \_\_\_\_\_

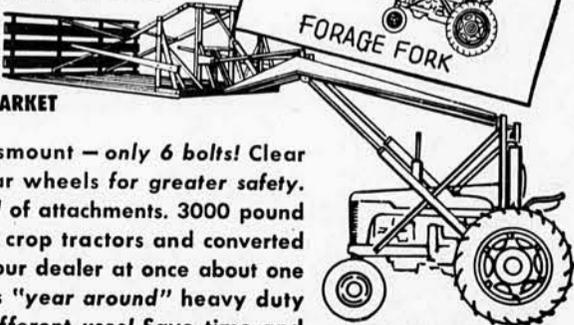


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"WORKS FOR YOU" THE YEAR AROUND

**12 FEATURES**

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Simple to mount and dismount — only 6 bolts! Clear vision! Mounts inside rear wheels for greater safety. Hydraulic finger tip control of attachments. 3000 pound lift. FITS all popular row crop tractors and converted wide fronts. FREE: Ask your dealer at once about one week's FREE trial of this "year around" heavy duty American Loader. 100 different uses! Save time and money.



**AMERICAN IMPLEMENTS INC. • 2523 TAYLOR ST. • OMAHA, NEBR.**

# Thoughts TO LIVE BY

## "The Sanctuary's Secret"

WHY DO THE EVIL sometimes succeed and the righteous suffer? The author of the 73rd Psalm wrestled with this problem. Despair weighed heavily upon him until he went into the sanctuary of God. There, he found something that fortified his faith. Religion gives us the same resources.

First, God is not the author of evil, nor has he a competitor in creation. God created man a free moral agent. To be a man is to have the choice of possibilities. Without this choice, he would be a puppet, finding no joy in life and no fellowship in God. Therefore God placed before man the possibilities of good and evil. Because he chose the evil possibility, man made it an actuality. It is known to the family that mother keeps her purse in the cupboard. This is not an evil, but it offers the possibility of evil. Should a child take a coin from the purse, he makes of the possibility an actuality. Parents do not make thieves of their children, but they make it possible for them to steal. Only in such a world can one grow in moral stature. It would be heavenly to live in a world without evil. It would be deadly to live in a world without the possibility of evil.

Second, if all rewards were immediate, moral grandeur would be impossible. If a child always received an ice-cream cone for being good, he might be a good advertisement for ice cream, but he wouldn't intrinsically be a good child. If the right procedure always paid, then everyone would be good to get rich. Graft and corruption would be cast aside as unprofitable. Selfishness would become a virtue and moral qualities would die of confusion. The fruition of virtue is seen in one who is good for goodness' (God's) sake.

Third, altho evil causes suffering, not all suffering is caused by evil. Job's friends insisted he was being punished for his evil, but Job per-

sisted he was innocent. Jesus dealt with this same problem when he restored sight to the man born blind. He emphatically stated this affliction was not caused by sin. Behind it lay a divine purpose. In times of tragedy, men tend to self-reproach. Sometimes it is justified, but not always. Jesus, the sinless, died upon the cross. Some suffering is like childbirth; it heralds great joy.

Furthermore, much of our suffering is caused by others. A diseased parent, a drunken driver, a national tyrant, can bring havoc upon the innocent. Men were created to be brothers. We are bound so closely in the bundle of life one man's fall harms those about him.

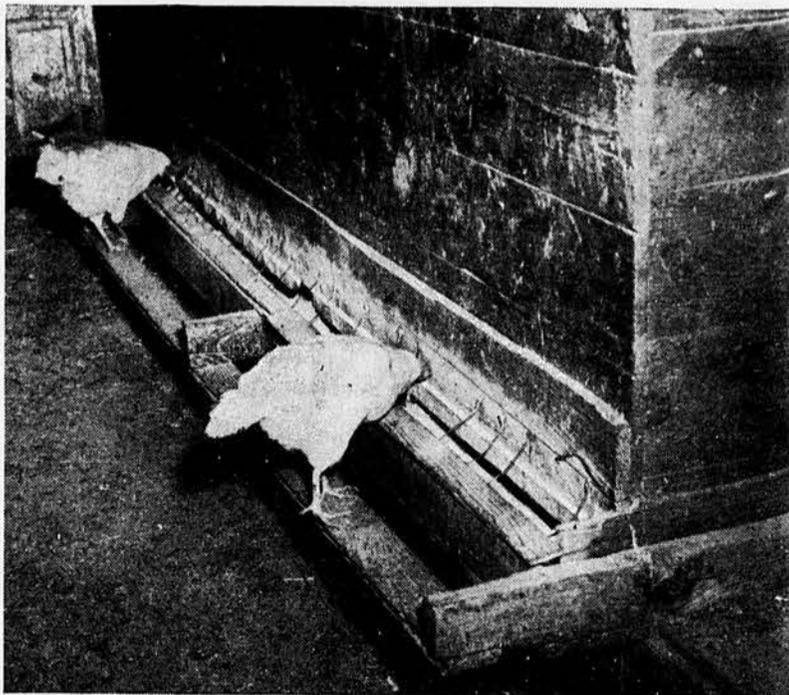
Fourth, suffering often exerts a disciplinary value. The apostle Paul says it is thru much tribulation we enter into the Kingdom of God. The author of Hebrews speaks of God making the Captain of our salvation perfect thru suffering. Beethoven was misshapen of body, afflicted with deafness, disappointed in love; he lived in a world of loneliness. His body was racked with pain and his restless spirit bore the burdens of the world. He was surely disciplined by suffering. What was the result? The perfection of the symphony.

Fifth, God enables us to use our suffering. He desires to transform our Good Fridays into Easter mornings. A woman once placed a collection of comforting verses in my hands. She began compiling this material while she was still in the shadowy valley. Her sorrow over the death of her son by drowning opened her heart to the ministry of comfort.

The Psalmist took heart when in the sanctuary he saw the tragic end of the evil. Similarly, Jesus took heart when he saw victory beyond suffering. Because of the joy that was set before him, he "endured the cross, despising the shame, and is set down at the right hand of the throne of God."

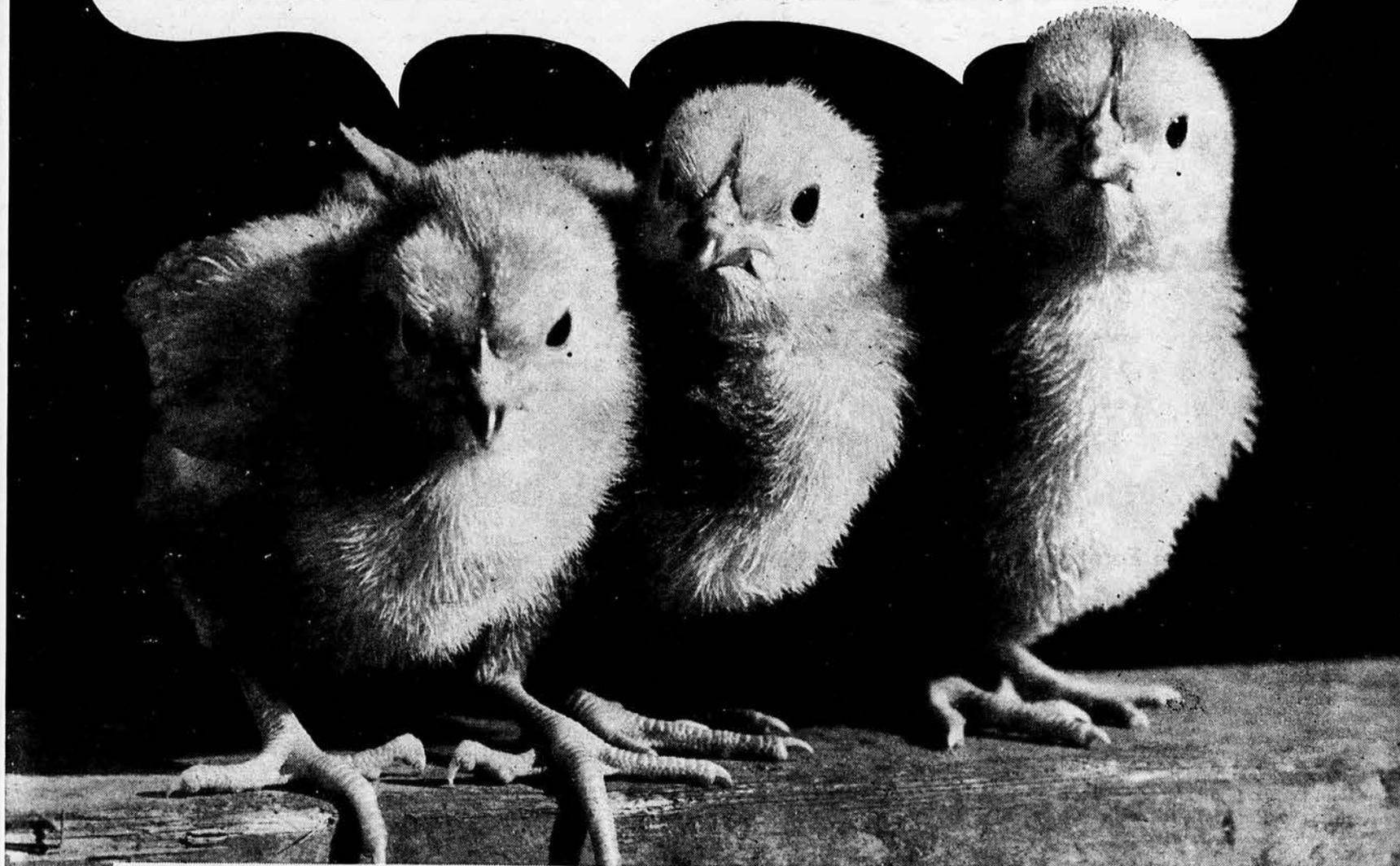
—Larry Schwarz.

## LAYERS NEVER GO HUNGRY



CHICKENS eat to their hearts' content from this 200-bushel self-feeder Bert Wassenberg, Soldier, built on to his feed bin. He grinds his feed into bin behind partition at right, and feed works down into feeder as chickens eat. Poultry house is built right into front of barn, utilizing unused space.

# BIGGEST BABY CHICK NEWS OF 1953!



## NOW! TWO GREAT HIGH-ENERGY CHICK STARTERS MADE WITH YOUR OWN CORN

### 1 MOORMAN'S CHICK MINTRATE

No other combination of rich, power-packed ingredients so completely explodes the energy of your own corn—gets chicks off to such a fast, vigorous start as MoorMan's Chick Mintrate.

Not until MoorMan's introduced Chick Mintrate could poultry raisers use their own yellow corn to such profit-making advantage. Never before a concentrate that so fully wrings out the energy in corn—that so completely converts your own corn into thrifty, fast-growing chicks.

Since Chick Mintrate was introduced it has been improved with a new and even better combination of ingredients—more B-vitamins; ample Vitamins A and D. Plenty of Vitamin B-12 is supplied from such rich, natural sources as meat scrap, fish meal and fish solubles. And, an antibiotic that often steps up the performance of Chick Mintrate 5 to 10%!

Today it is not unusual for chicks started on yellow corn—fortified with Chick Mintrate—to reach 3½ to 4½ lbs. two to three weeks sooner than was possible a few years ago.

**Your MoorMan Man** has BOTH Chick Mintrate and new CoxiCurb Chick Mintrate. Remember, with either you make available the full growth-energy of your own corn—get outstanding gains at low cost. And, with new CoxiCurb Chick Mintrate you also help protect your chicks from serious death losses from *both cecal and intestinal coccidiosis!* If no MoorMan Man calls, write MoorMan Mfg. Co., Dept. J3-2, Quincy, Ill., for prices and full information.

### 2 MOORMAN'S NEW COXICURB CHICK MINTRATE

Now, an ingredient to prevent serious death losses from coccidiosis has been added to the great growth-power of Chick Mintrate in a NEW product called MoorMan's CoxiCurb Chick Mintrate.

CoxiCurb's Chick Mintrate—like Chick Mintrate—has the same extraordinary ability to unlock the energy and growth-getting capacity of your good yellow corn. It gives you the same jet-powered start. The same amazing growth—

**PLUS—Protection against serious death loss from both cecal and intestinal coccidiosis!**

That means less money for costly medicines; fewer serious death losses and fewer disease-ravaged flocks from profit-robbing coccidiosis.

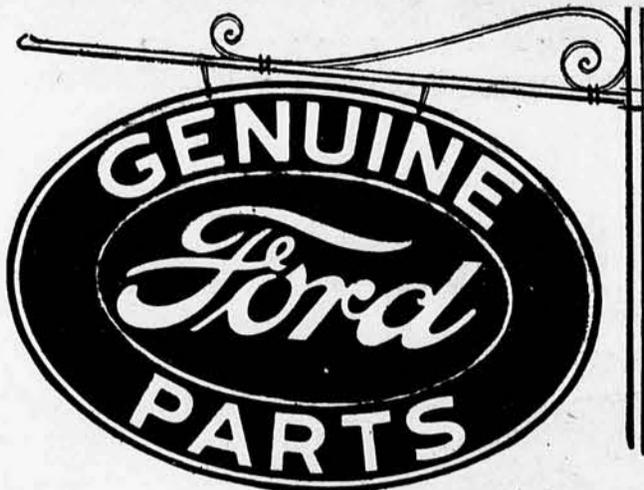
And it saves you money! You just add one part of CoxiCurb Chick Mintrate to two parts corn for a starter—three parts corn for a grower. That's all it takes to give you the thriftiest, fastest-growing and most profitable chicks you've ever raised.



## MoorMan's

(Since 1885)

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**They're track-tested to stay right**

Genuine Ford Parts receive the toughest tests imaginable. On Ford test tracks, Ford engineers determine the best parts for your Ford. With such testing behind them, it's only natural that Genuine Ford Parts are built to last and last!



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Available at all Ford Dealers and selected independent garages



**STOP GROWING HALF A CROP**

Invest your seed money, your land and time wisely. Join the thousands of successful farmers who know that clovers, soybeans, alfalfa and other legumes inoculated with NITRAGIN produce bonus bushels and bales. Get all the yield your acres offer by taking just a few minutes to apply a few cents worth of NITRAGIN to the seed.

**Cut Crop Risks—Reduce Soil Losses Inoculate with NITRAGIN**

Why risk soil-robbing and yield-cutting crop failures? Why gamble with legumes, saving pennies and losing dollars? Play safe by always inoculating. Ask your seedsman for NITRAGIN in the orange-colored can.

THE NITRAGIN CO., Inc., 3111 W. Custer Ave., Milwaukee 9, Wis.



**Dwight Hull SAYS . . .**

**Annual Meeting of State Board of Agriculture Helps Solidify Our Thinking on Farm Problems**

SINCE RETURNING from Topeka, where we attended the eighty-second session of the State Board of Agriculture, I thought *Kansas Farmer* readers might be interested in some observations that impressed me regarding this organization and the program we enjoyed.

This annual meeting is somewhat different than many annual meetings of farm organizations, in that it is not a summary of the past year's activities. Rather it is an opportunity for farmers from every corner of the state, and with varying farm interests, to meet and solidify their thinking regarding agriculture and problems pertinent to the success of Kansas agriculture.

It also is different in that those who attend as delegates with the right to vote may be a different group of farmers from those who attended the year before. Delegates are duly elected representatives of some farm organization. The state law designates the organizations that have the right to elect delegates. The governing body or the board of directors are elected by the delegates. There are 2 members of the board elected from each congressional district.

**High Type of Leadership**

One cannot help being impressed by the high type of leadership represented, not only by members of the board and the majority of delegates assembled, but also by the secretary and those charged with responsibility of carrying out the day-by-day activities of the State Board.

A great deal of credit for the high regard in which people of Kansas and indeed, of many other states, hold our State Board of Agriculture is due in large measure to the high standards and great vision of former Secretary Jake Mohler. Word has just come of the passing of Mr. Mohler. Kansans everywhere will be saddened by his death. But he will be long remembered for his outstanding leadership in Kansas agriculture.

It was due, no doubt, to Jake Mohler's great vision for agriculture, and his sterling character and ability to sell Kansas agriculture to the rest of the world, that has given the Kansas State Board of Agriculture top place in the thinking of Kansas people regarding agriculture, and has led the state in

setting standards for Kansas agriculture. Jake Mohler has been inactive as Secretary of Agriculture for several years. But we are happy to report that in our opinion his successor, Roy Freeland, is carrying on in the same high standard. Kansans can rest assured activities of this organization are in good hands.

A quotation from an editorial in the *El Dorado Times* expresses in better words than we can what we feel is the high regard Kansas people have for the State Board of Agriculture: "This board is the top agricultural body in a state whose fame, stability and prosperity are largely based upon agriculture in all its varied forms. The state board may be said to embody and direct all trends and influences which affect farms and farming in Kansas. Its standing and prestige shines with increasing luster, year after year, and particularly so as the state now enters the last decade of its first 100 years of statehood."

**Result of Careful Planning**

We enjoyed the program presented at the eighty-second annual convention of the State Board and were inspired and impressed, as we have been before when we have had the privilege of attending, by speakers of national authority and reputation. We had the feeling a great deal of thought and careful planning was given, not only to the choice of speakers, but also to the subjects to be discussed. Subjects were not only timely, they were forward-looking to the extent one had a feeling of receiving a preview of the immediate future in agriculture.

We could not help feeling more Kansas farmers should have the privilege of attending this annual event. Strange as it may seem, we have talked with several who had little or no knowledge of the State Board of Agriculture and its activities. Meetings are open to the public.

We were especially pleased our good friend and neighbor, Will Condell, was elected president of the State Board for 1953. This is an honor any farmer may well be proud to receive. We know no one better qualified in ability and sterling character to head up activities of this great organization. As a neighbor and as an outstanding citizen of the state, we are proud of Will Condell.

**Plant Potatoes Early as Possible So You Will Get Best Results**

By WILLIAM G. AMSTEIN, Kansas State College

IN A MONTH or 6 weeks it will be Irish potato planting time. More Kansas farm families need to consider them as important in home food production. In only a few Kansas communities is commercial Irish potato growing still of importance.

Planting the Irish potato crop early is a point too many neglect. Conditions that favor good, rapid growth and early maturity need to be emphasized. Irish potato is a cool-weather crop. Under Kansas conditions potatoes do best when planted as soon as conditions permit in March or early April. Hot, dry weather that occurs usually in July requires early-maturing varieties if heat loss is avoided.

Irish potato variety lists offer an interesting and changing subject, not only in Kansas but in all sections of the country. It is true to many a housewife the varieties are either red or

white, referring to skin color, or good or bad depending upon her experience in preparing and cooking them. No doubt varieties are more important in the consumer's thinking than is commonly recognized.

At one time Early Ohio was the leading home and commercial variety in Kansas. Today the Ohio is almost a memory as a variety. Diseases, coupled with low yield, finally took it out of the lists. It is true many look for it. If good-quality, disease-free seed is available it is still very useful. However, we do not find much certified seed of Early Ohio offered these days.

Bliss Triumph at one time was widely planted by commercial growers in Kansas but in recent years has about lost out. Low yield is most common answer given for its departure. This was coupled with lack of true earliness, a feature

(Continued on Page 17)

ture usually credited to Triumph in southern states.

Irish Cobbler is one of the best varieties for Kansas. However, it has deep eyes that require a little more time to prepare for table use. It yields as well or better than any other variety commonly available. Storage results also are fairly satisfactory. Cooking quality of Cobbler is better than most other varieties. This is a point too often neglected in recent years. Someday we may sell more potatoes on quality basis.

Red Warba is commonly grown in Kansas as a commercial and home variety. Good yields, early maturity and red skin have helped give it a market preference in many Midwest cities during summer. Red Warba is planted by many farm families for home use. Some object to it because of a tendency to overset in a wet season. In general it does not store quite as well as Irish Cobbler and should be used first where both are grown.

**New Varieties Deserve Attention**

Many newer varieties introduced recently have not been tried enough. They may deserve more attention. White Cloud, a variety of Irish Cobbler type developed by Dr. H. O. Werner, University of Nebraska, should be more commonly tried and grown. It has shown to advantage in limited tests in Kansas. It is a smooth potato that deserves wider test plantings where seed can be obtained. It does not have as deep eyes as Irish Cobbler. A commercial seed supply of this variety is now available.

Other early or medium-early varieties that should be given a trial planting are Cherokee, a white potato; Waseca, a pink-skinned variety.

Still other varieties that seem to be attracting attention are Chippewa, Kennebec and Red Pontiac. The last 2 are especially promising and are grown quite commonly in many sections.

Use of certified Irish potato seed is of first importance. A supply of high-quality certified seed is available. Certified seed should be used wherever possible instead of ordinary seed. None of us can tell by appearance of the potato whether seed is free of disease. Many diseases do not show on the surface of the tuber.

A statement often found on the tag reads: "Grown from Certified seed." This should not be misread to mean that it is *certified seed*. A sack of certified seed will have a seal still in place where the sack is sewed up. A blue tag with the grower's name and the name of the state agency that did the inspection also will be in place.

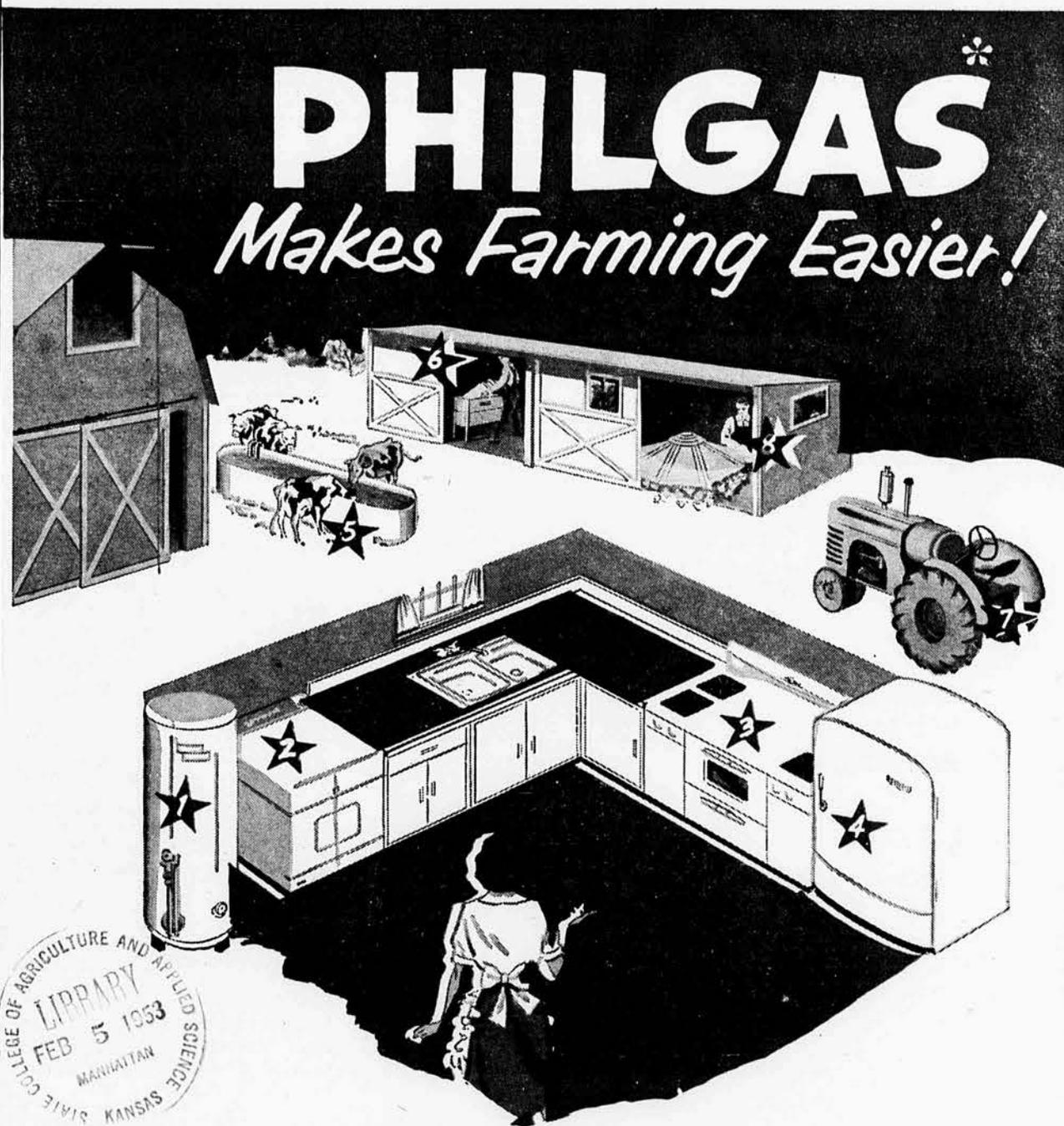
**Good to Treat Seed**

Seed treatment often is desirable even where certified seed is planted. A commercial product known as "Semesan Bel" is a convenient material to use to treat one or two sacks. Directions on the package should be followed.

The acid corrosive sublimate treatment is another often used. For this method, have your druggist weigh out ½ ounce of corrosive sublimate and 2½ ounces of commercial hydrochloric acid. Add this mixture to 2 gallons of water in a 5- or 10-gallon wooden or stone crock container when you are ready to treat the seed. Do not use a metal container. *Remember corrosive sublimate is a poison.*

Seed pieces 1 to 1½ ounces, blocky and with at least one eye are most useful. While space between rows will be based on your cultivation equipment, rows can be as close as 30 inches. Seed pieces can be 12 inches apart in row. If planting early in season, cover seed 3 to 4 inches. In late-season planting, a 2-inch cover is often enough.

A sandy loam piece of ground of above-average fertility that is supplied with organic matter and well-drained is best. Phosphate fertilizer has paid extra-good returns in increasing both the yield and quality of Irish potatoes. One pound of a 20 per cent or ½ pound of a 45 per cent phosphate fertilizer can be used to 100 feet of row. One and one-half pounds of a mixed fertilizer such as 5-10-5 can be used in place of phosphate. Mix fertilizer with the soil in furrow before potatoes are planted.



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- 1 Automatic Water Heating**—All the hot water you want, when you want it.
- 2 Automatic Clothes Dryer**—Helps end drudgery on wash day.
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Let your Philgas Dealer or Distributor give you the complete details on how you can save money and modernize your farm at the same time, by choosing automatic appliances and farm equipment which use Philgas, the modern bottled fuel. Call him today!

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*"Stringbean" Akeman*

**PRINCE ALBERT**  
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**EASY TO DRAW!** Crimp cut Prince Albert packs just right in your pipe. Smokes cool, mild and mellow!

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**EASY TO ROLL!** You can't beat Prince Albert for a "makin's" cigarette! Rolls easy... stays put... doesn't dribble out the ends!

# Prince Albert

AMERICA'S LARGEST-SELLING SMOKING TOBACCO!

**WIPE OUT RATS AND MICE**

with Surer, Safer...  
d-CON is GUARANTEED to destroy the Rats and Mice on your property—**or YOUR MONEY BACK!** At Drug, Hardware, Feed, Grocery, Dept. Stores, and Mail Order Houses.

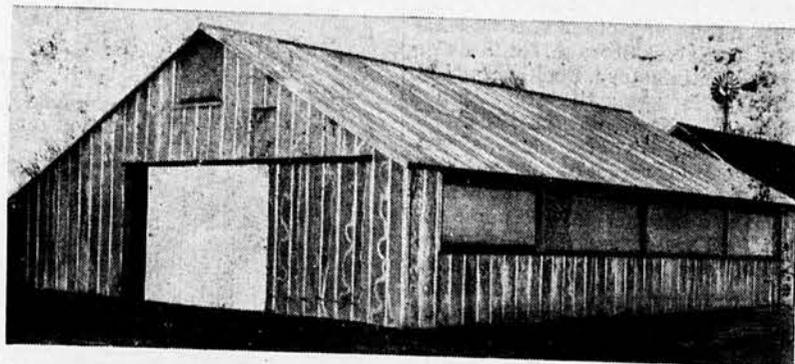
d-CON CO., Inc., Chicago 11, Ill.



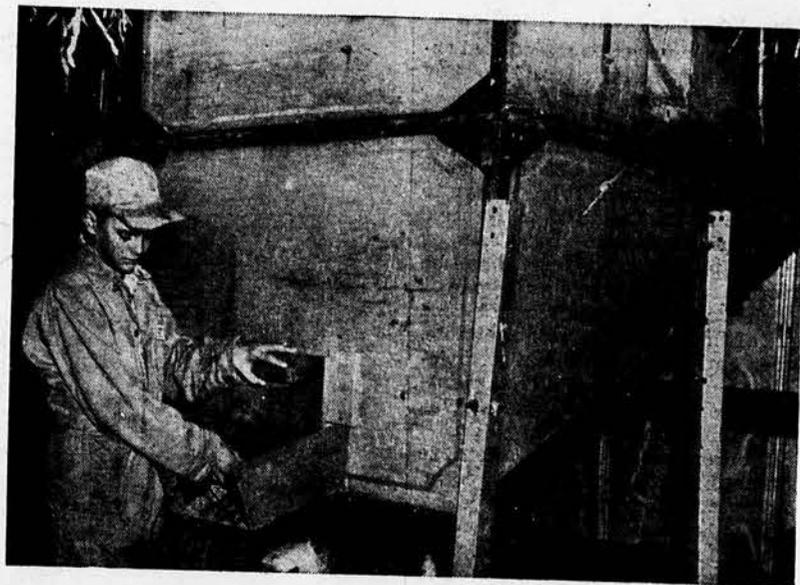
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**MIDWEST WIRE AND STEEL CO.**  
South St. Paul, Minnesota

## Engelland's Temporary Poultry House Taught Some Points About Hen Comfort



**MOST SATISFACTORY** poultry house on his place is this sheet iron and pole constructed building, built and equipped for temporary use by Morris Engelland, Lyons, for \$654, in 1951.



**FROM DISCARDED** combine bin, Mr. Engelland fashioned this setup for grain storage right in his pole-type poultry house. Bin is filled thru high door opening outside building. Scratch grain feeds down by gravity to handy opening being used here by 10-year-old Jack Engelland. Legs on bin are old windmill supports.

**NEED FOR TEMPORARY** housing for part of his laying flock inspired Morris Engelland, Lyons, to build a 30- by 40-foot, pole-type house. Making use of available and most reasonable materials, he ended up with a total construction cost, less his labor, of \$654. Oil well pipe came from his father's place at no cost. These were set every 10 feet, in 3 feet of concrete and anchored to the plate above. An electric drill was used to put holes in the pipe thru which bolts fastened scrap 2 by 6's, 2 or 3 to a side, along outside walls. Galvanized iron sheets were used to cover this framework, forming roof and sidewalls. New lumber was used for rafters and doors.

At a fourth the cost of a strawloft on wire netting, Mr. Engelland simply laid bundle feed across ceiling joists for insulation. While the bundles don't look quite as neat, they provide good insulation and in winter Mr. Engelland has not been troubled with frozen combs here as he was in an adjoining house of tight tile construction. Ac-

tually, this type loft cost nothing because Mr. Engelland got the bundles free.

Across the back of the house, roosts in 4 sections are hung over dropping pits. The roosts are supported by tire chains and can be removed easily for cleaning. Frames covered with sackings are placed in windows across the front of the house. In warmer weather, these frames can be opened into the house. They are held in place at the bottom by nails for the frames to lean against. Twine loops at the top hold the frames open at the proper distance. And when summer comes, the frames come right out, no hinges to take off and screws to lose.

Still to be completed is a concrete footing around the base of the building for rat control. Only labor hired for the job were carpenters to cut rafters. Cost figure includes metal feeders and nests. The house was built in 1951. Mr. Engelland recommends pole-type construction for all kinds of farm buildings.

### I WONDER HOW THAT STARTED . . .

"A horsehair can turn into a snake!"

This mythical saying goes back to ancient days when it was believed generation of life could be spontaneous. There are some worms that resemble the long hairs of a horse's tail, known as "hairworms." It was believed centuries ago a snake developed from a horsehair had no venom!



**B**abies - 3,500,000 a year - are making your future bright!



Opportunities for livestock producers are getting better every year. You'll see why in

**ARMOUR AND COMPANY'S REPORT TO AGRICULTURE**

Despite some disappointments in 1952, we firmly believe that all of us—rancher, farmer, processor and retailer alike—have a great future in the business of providing America's food.

More than twenty-one million babies have been born in the United States in the last six years and the number of births continues very high. The first of these post-war children started to school last fall. They are all growing up. They will need more and more food produced on your farm or ranch and prepared for the table in our plants.

At the same time, older folks are staying with us longer. People who reach 65 can now be expected to live another 14 years, on an average.

The net result is that population is going up at the rate of 7,000 a day—and so is the demand for "three meals a day."

There are other reasons, too, why we believe the future looks very bright for everyone engaged in the food business. You'll find more of them on the pages of our *Report to Agriculture* which follow.

These are the times to make bold plans even though we know that there may be setbacks. We always face the risk of drouth, crop failures, animal disease and market fluctuations. But the constantly growing demand for meats of all kinds, for eggs, poultry and dairy products guarantees that your business and our business can prosper over the long pull.

We in Armour and Company look forward to a much better year in 1953 and to continued growth and improvement. We have the same hopes for our friends on America's farms and ranches. We pledge to you our continued efforts to provide the best possible markets for your products in 1953 and in the years ahead.

*Ar. H. Speck*

President, Armour and Company

**How Armour Dollars were spent in 1952**

The accompanying chart shows you how Armour dollars were spent in 1952.

Armour's total check in payment for farm products, other "raw materials" and other supplies was \$1,746,549,768. We paid 67,000 employes a total of \$258,803,040. Railroads and truckers were paid \$51,784,344 for transporting Armour products to consumers. For other expenses such as maintenance, repairs, depreciation, power, communications, insurance, advertising, interest, etc., \$102,585,380 was paid. Taxes accounted for \$18,593,690.

Out of a total income of \$2,185,456,707 in 1952, all that was left for profit was \$7,140,485—or about one-third of a cent on the dollar.

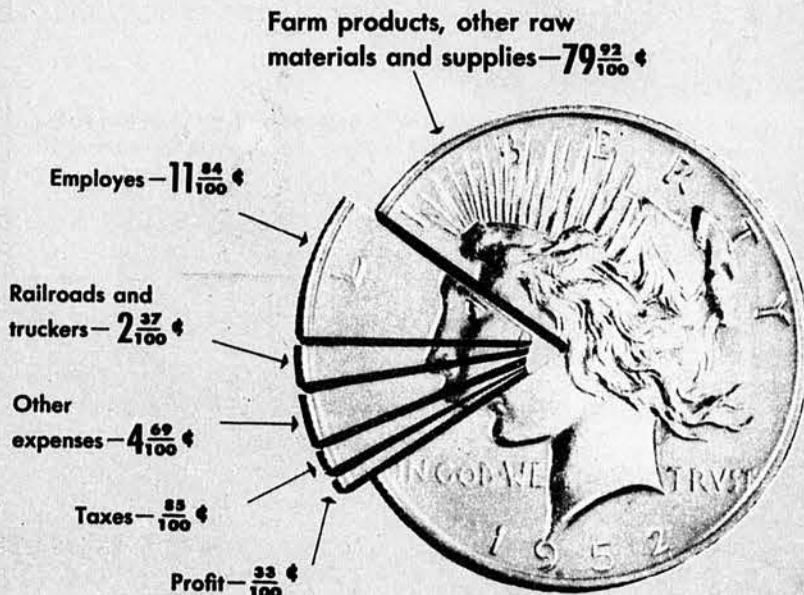
We are very much concerned over our inability to realize an adequate profit last year, just as you would be if your farm or ranch did not pay. Also, we are meeting the situation just as you would—by tightening up all along the line and trying to develop an extra good year to make up for the bad year.

However, the size of our net profits any year is always extremely small in comparison with the amounts we spend for livestock and raw materials—or the total sales of our finished products—or the salaries paid to our employes. In fact, our total net profit last year was equal to:

—only 41/100ths of a cent for each dollar spent for livestock and other raw materials and supplies.

—only 33/100ths of a cent for each dollar of Armour sales.

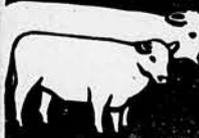
No other industry gives so much service to so many people for such a small profit as the meat packing industry!



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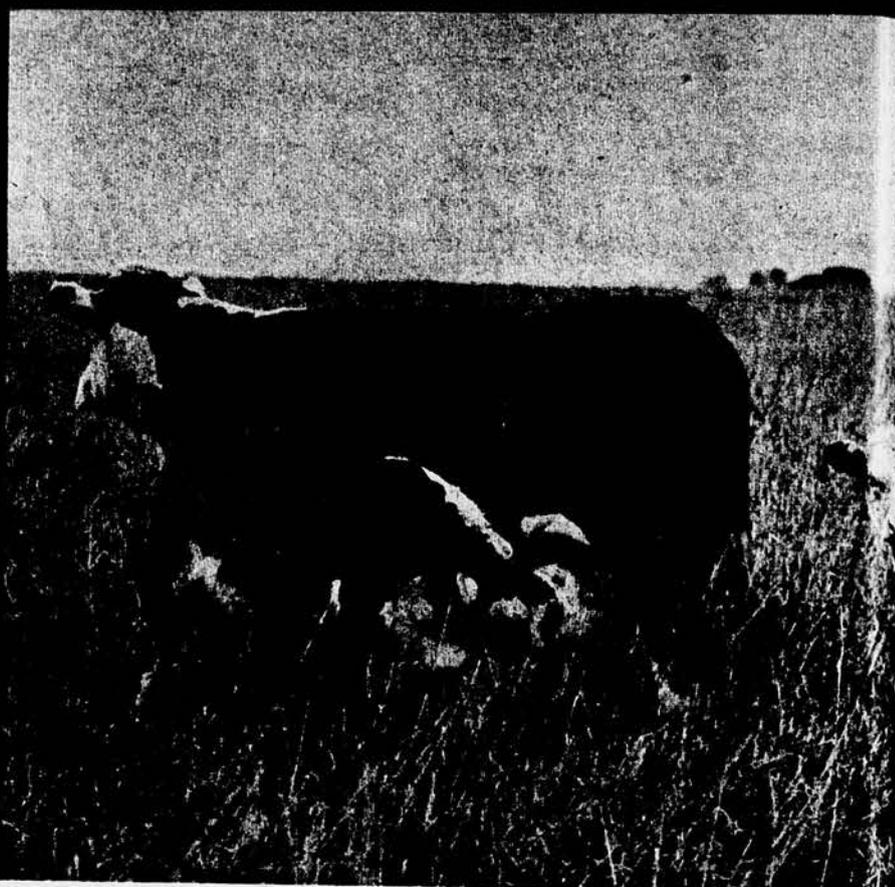
85,581,000 head



26,013,000 head



11,418,000 head



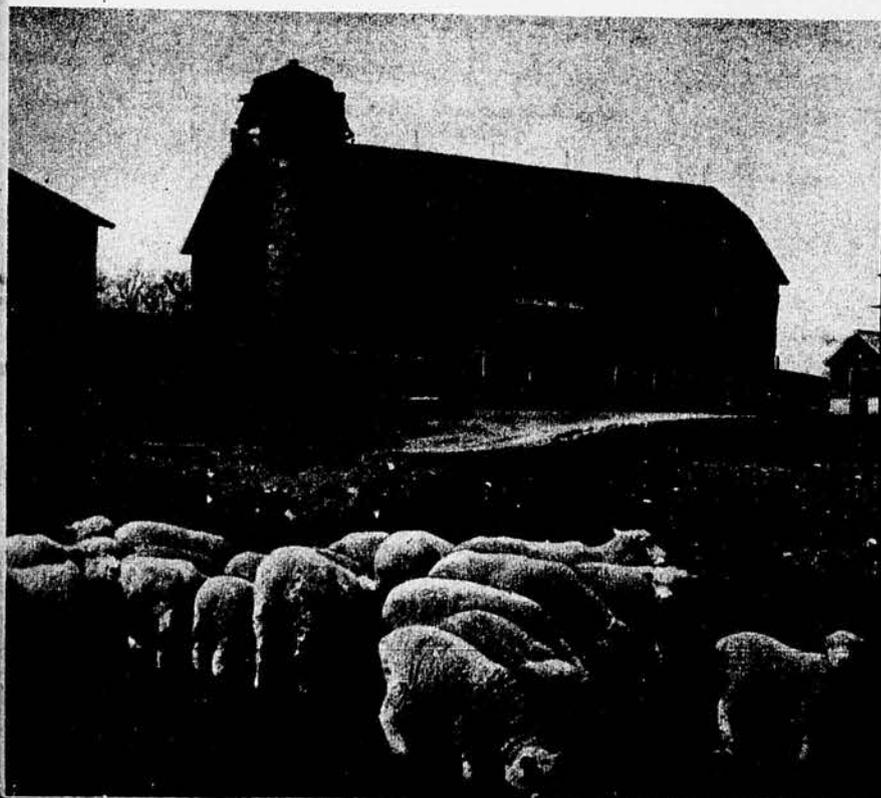
Can we produce enough meat? A U. S. Dept. of Agriculture survey says the answer is yes! The land now being worked will support enough hogs, cattle and sheep to provide 159 pounds of meat per person in 1955. We can be optimistic about reaching higher production goals. Today, for example, the average farmer raises enough food to feed 22 people—against 9 in 1920. Each year we have far more of the key equipment needed to raise more livestock and to help offset the shortage of farm labor. The increase in livestock called for in the chart above is both an opportunity and a challenge to farmers and ranchers to keep America's food supply one of the best in the world!

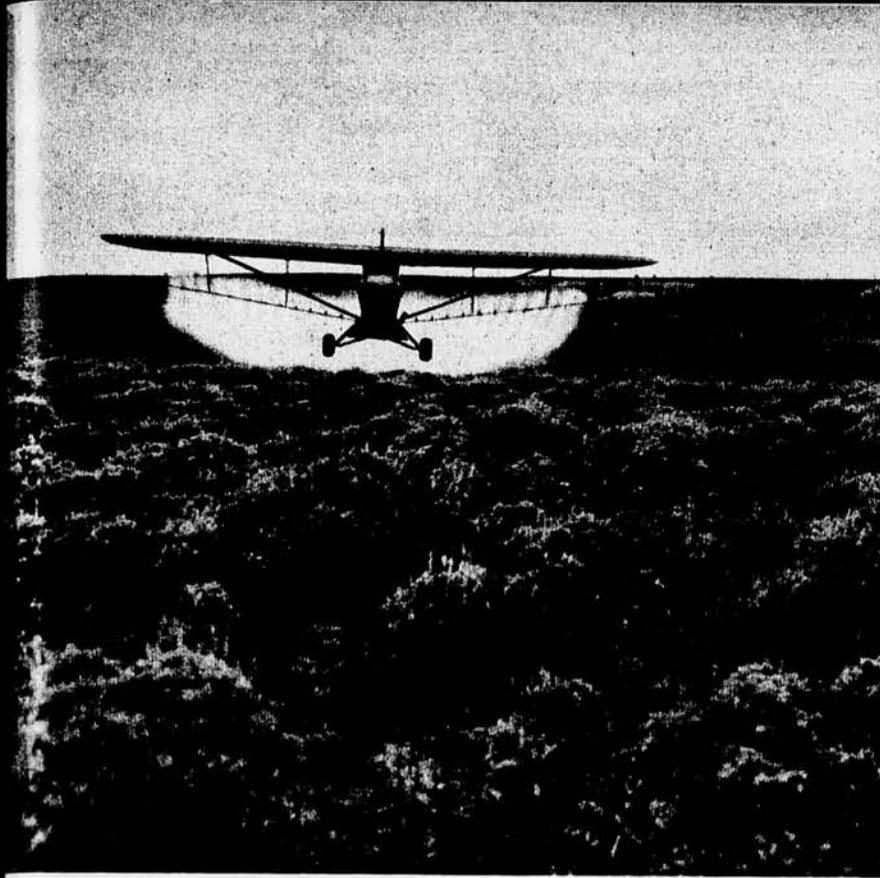
Grassland farming is one of your best opportunities! Grasslands are the greatest, cheapest source of all the major raw materials needed for producing meat and milk. Today, there are more than a billion acres of land in grass in the U. S. With the many new kinds of grass-and-legume mixtures and with new methods of fertilization and pasture management, the productivity of much of this land can be increased from 2 to 6 times. Old, neglected pastures can be brought back to life—and made to produce the feed needed for more livestock. Gains in cattle of 500 to 600 pounds an acre can be obtained yearly on grass and legumes alone. There are many services—even financial assistance—available now through the U. S. Dept. of Agriculture to help you get your grassland program underway.

# Armour reports on greater opportunities in producing

**Wanted: 5,000,000 more breeding ewes!** Sheep numbers are 43% below the 1942 peak. There is scarcely a state that could not profitably boost its sheep population. That's the outlook on sheep—and it points to great opportunity for farm flocks, especially. Already farmers are beginning to take advantage of their favorable position. Since 1950, sheep numbers have increased 15% in farm states; less than 3% in range states. Flocks of 25 to 50 breeding ewes can make profitable additions to many farm programs. They utilize feed that often would be wasted. Labor requirements are small and housing need not be expensive. And sheep offer *two* cash crops every year, lambs and wool.

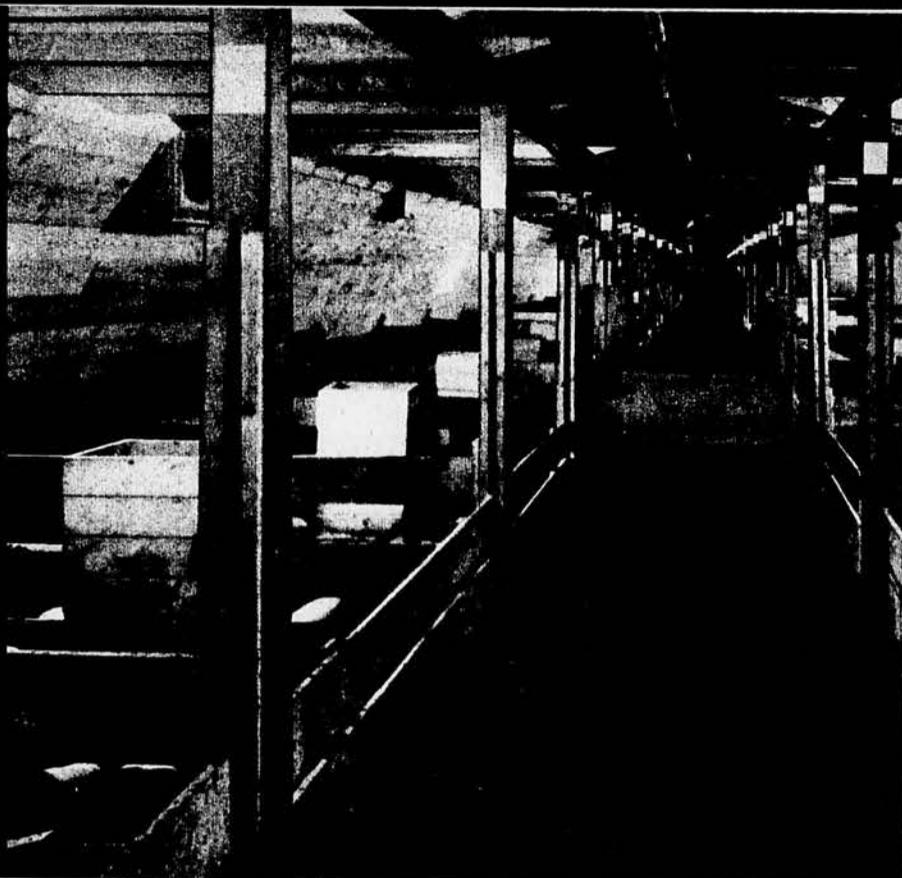
**There's opportunity in broilers!** Broiler production has been making phenomenal growth recently. In 1952 almost a billion commercial broilers were produced compared with only 200 million ten years ago. New drugs, medicated feeds, and effective vaccines have cut mortality losses sharply. With the high-energy rations of today—fortified with vitamins, minerals and antibiotics—less feed is now required to produce a pound of broiler meat. Broilers are an ideal project for diversified farm programs, too. Broilers enable you to increase your volume of business without purchasing additional land. They are ready for market in 10 to 12 weeks, providing a frequent source of additional income. Also, broiler litter makes valuable fertilizer to help improve your soil.





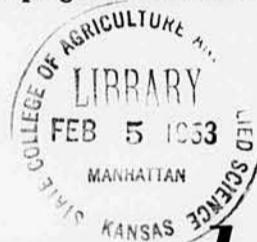
(Official U. S. Forest Service Photograph)

meat from our brushy acres! New aerial sprays are paving the way to more cattle with far lower costs from the same amount of land. One plane now spray 1,000 acres a day, killing mesquite, brush and other woody plants which have reduced the grazing value of millions of acres. On land without brush, cattle handling is simplified and precious water is saved for highly productive grasses. With good range and livestock management, the carrying capacity of much of this cleared land can be increased by one-third to one-half—a 40% to 70% increase in weight per head. Winter spraying opportunities should not be overlooked, either. There is less risk of damage to nearby crops, and, with foliage gone, spraying is still highly effective.



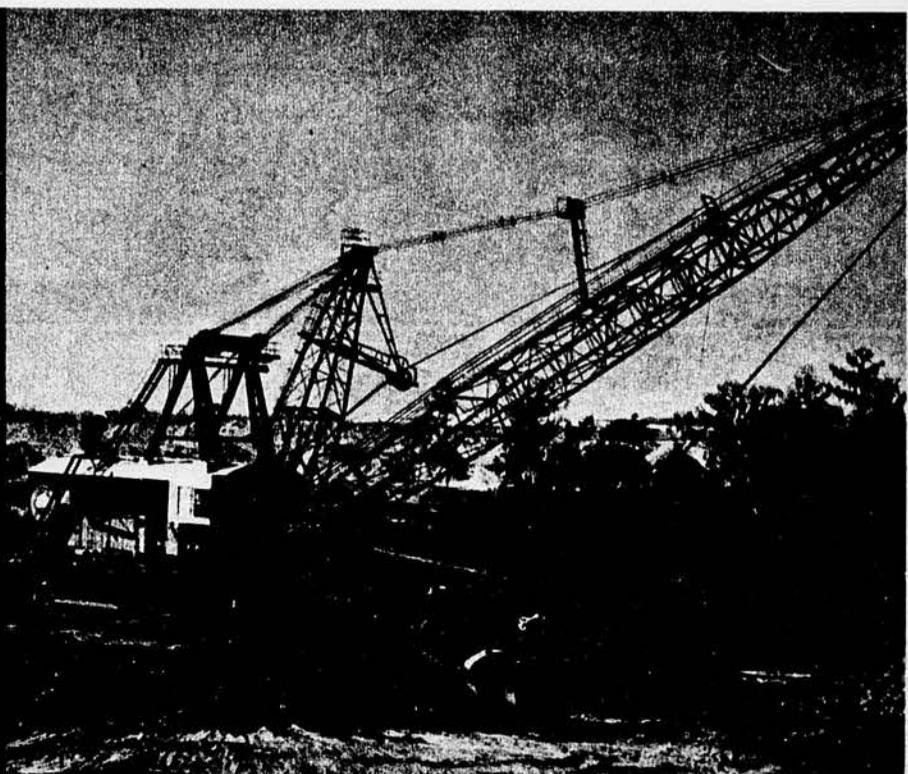
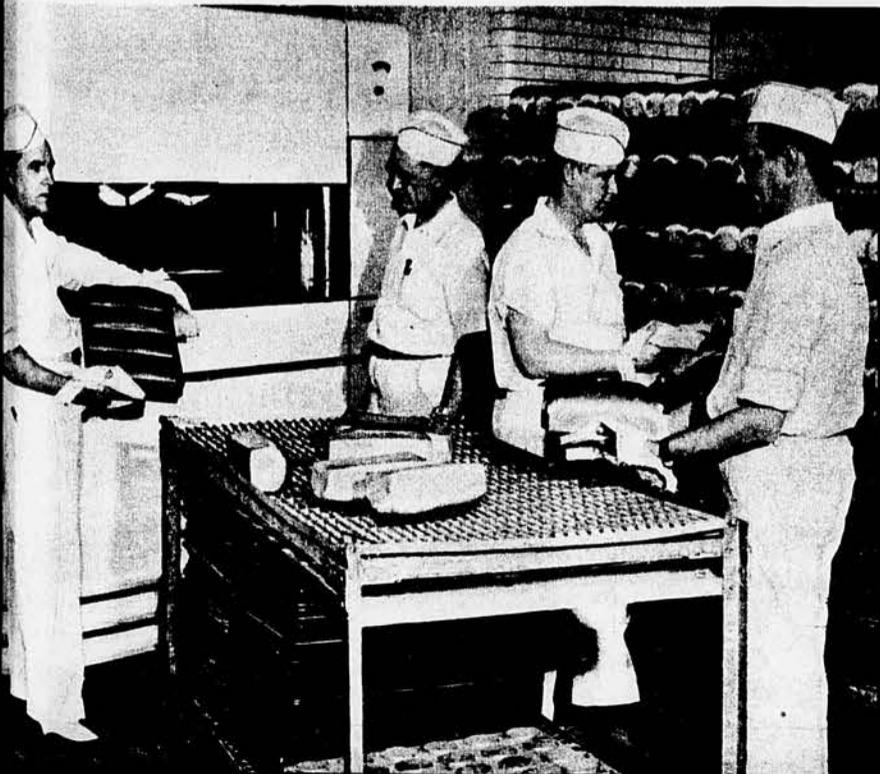
Antibiotics, vitamin B<sub>12</sub>, synthetic sow's milk and pig hatcheries all spell opportunity for more profit in hog raising. Antibiotics are bringing faster weight gains and huge savings in feeds. The high death rate of baby pigs is being reduced. Recent experiments have shown that pregnant gilts fed regular rations *without* B<sub>12</sub> weaned only 4.8 pigs on an average, while sows *with* B<sub>12</sub> in their diet weaned 7.5 pigs. New synthetic sow's milk now makes it possible to remove baby pigs from sows soon after birth, and permits sows to have more frequent litters. And pig hatcheries, such as shown above, are making it easier for more farmers to add hog-feeding to their farm programs with less risk and labor.

# it ahead for you more food for our growing population



dollars below the creamline! Today, greater value is being placed on nutrients in milk other than butterfat. Sales of *non-fat* dry milk solids have increased since 1935—and the number of new uses and new customers continues to grow. During the last few years, commercial use of these dry-milk solids in food processing, as in the bakery below, has increased substantially. And home use—which now represents a major market for dry-milk solids—shows the greatest gain of all. This shift in values will help protect milk prices, since less milk's cost will be carried by butterfat. Two million more cows (producing an average of 6,000 lbs. yearly) will be needed by 1975, too—if we are to maintain the current rate of milk consumption in all forms of 740 lbs. per person.

Higher production of fertilizer promised! More crops mean more feed for more livestock—and that means better food for more people. Good fertilizers are needed to do the job—and more are on the way. Twenty-nine Armour plants are working at capacity to see that there are more Vertagreen and Big Crop fertilizers available. Another is being constructed at Waterloo, Iowa. The picture below shows how phosphate rock is mined at Bartow, Florida, where Armour is getting a new mining project underway. This operation will increase the country's vital supply of superphosphate, an essential ingredient in all mixed fertilizers. Progress like this in the fertilizer industry is making your future brighter!





*There's something extra for you in every Armour product you buy!*

It's not just the quality of Armour products that makes it smart for you to buy them. Every Armour product you buy helps to maintain the large volume of sales Armour needs to provide you with a growing cash market. You are also helping us carry on an active farm program that's important to you—and to everyone working in agriculture.

Every Armour product you buy helps us continue research for new products which will increase the demand for the raw materials you raise. Finding new methods of guarding the health of all farm animals is another purpose of Armour research. And so is the discovery of new ways to improve the quality and add to the value of livestock, dairy and poultry products.

These are extra values for you that go with every Armour product—extra values that help make your farming more profitable and more secure.

Armour plants regularly turn out more than 2,000 different products for farms, homes and industry. In foods, we produce all grades, weights and cuts of beef, pork, veal and lamb; a complete line of butter, eggs, cheese and poultry; hundreds of different smoked meats, canned meats and sausages; lard, shortening and oils for every edible use. In non-foods, the list ranges from fertilizers to veterinary products; from soaps and chemicals to life-saving drugs that aid in the nation's defense.

So look for the Armour name on products whenever you shop. Remember, there's something extra for you in every Armour product you buy!

You know they're good!

**ARMOUR**  
STAR

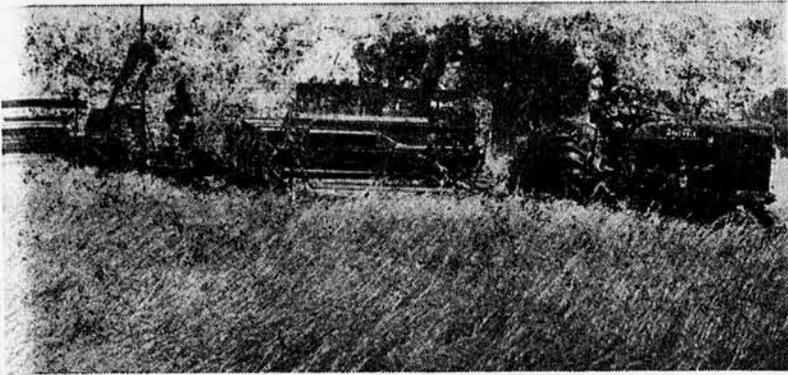
The Armour Star label is one of the world's great guarantees!

**ARMOUR and COMPANY**

**BUYER** of hogs, cattle, calves, sheep, lambs, milk, chickens, turkeys and eggs.

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

### FERTILIZING PAYS WELL



UP TO 500 pounds of Kentucky 31 fescue seed an acre were harvested last year by H. L. Bivins, as result of fertilizing. Here Mr. Bivins, right, and Harold Carpenter, are harvesting the seed crop.



DURING HARVEST of Kentucky 31 fescue seed crop on Bivins farm, combines were driven into farm yard and seed was unloaded directly into sacks by special chutes from combine bins. Here sacking seed are Donald Sluder, left, and Max Carpenter.



GRASS ON LEFT was fertilized with 125 pounds of 33 per cent ammonium nitrate and 100 pounds of 8-8-8, all applied on March 1. Spot of grass on right was missed and shows crop would not have paid for harvest if not fertilized. H. L. Bivins, left, is owner of field of Kentucky 31 fescue and was assisted at harvest by Harold Carpenter.

### No Magic Formula Needed to Produce Championship Yields of Corn

DO YOU NEED a magic formula to produce top corn yields year after year? "No," says Glenn Caldwell, of Anderson county, who has won the DeKalb 5-acre yield contest in his county every year but one since 1943. Mr. Caldwell won his championships with yields of 105.69 bushels in 1943, 105.73 in 1944, 99.08 in 1945, 69.22 in 1946, 121.78 in 1948, 123.53 in 1949, 128.19 in 1950 and 102.98 in 1951. He placed second in 1947.

Raising top yields of corn is the result of following the best known practices, believes Mr. Caldwell. He puts phosphate on clover and plows the clover under ahead of corn in his rotation

program. Then he seeds his corn in 38-inch rows instead of 42 and seeds one plant every 11 inches in the row. Forty pounds of nitrogen are applied at the second cultivation or any time after the corn is 10 inches high.

#### Tips to Follow

"Your soil must be high in phosphate to get the most out of your nitrogen," says Mr. Caldwell. "My soil is high in phosphate, but I always take the precaution to use phosphate on clover ahead of corn. If my soil was low in phosphate or potash I would use a good mixed fertilizer with the corn."

When it comes to using fertilizers, Mr. Caldwell says: "It is better to use too much than too little. I figure it takes 40 bushels of corn an acre to pay expenses. Sixty bushels an acre will make a little profit for you, but the yields above 60 bushels are where the real profits are found."

Other practices Mr. Caldwell finds important are seeding and cultivating corn at the proper time. "Any delays in seeding or cultivation cut into your final yields and therefore cut into your profits," he says.

### For Better Livestock

Management and feeding tips given in Union Pacific Railroad's booklet, "Livestock," will help you to raise better animals, get bigger profits. For your free copy, write Farm and Home Service, Kansas Farmer, Topeka, Kan.

Get the important answers to "GRASSLAND FARMING" now... in this valuable **free book**



This interesting, fully-illustrated book answers many questions about making grass silage pay... in better feed, in more milk or meat, with far less time and labor. Scores of County Agents who have seen the book, praise it highly.

IT TELLS BEST methods of storing silage and how (in stacks, trench silo, above-ground pile, or regular silo)... WHO should go to "grass farming," and why... WHAT to plant and when... WHEN to cut the crop... HOW short to chop it... HOW to build self-unloading wagon box, and other questions, all based on actual farm experience.

EVERY FARMER should have a copy of this booklet. Mail the coupon today for your free copy and we will include new colorful catalog of the Gehl Forage Harvester.

# GEHL

Pronounce it "Gale"

### GEHL FORAGE HARVESTER

Preferred for Fast, Clean Chopping and Simplicity



The Gehl catalog will give you a better understanding of what field choppers should do, and how to judge them. *More farmers own Gehl Choppers than those of any other independent manufacturer.* Any boy who drives a tractor can run the simple-to-operate Gehl. The famous Chopping mechanism is the result of Gehl's half century as specialists in feed chopping machinery. *Quick changeover* attachments for 3-way harvesting include the new Gehl *Mower-Bar Attachment* that cuts any standing crop, chops and blows it into wagon, clearing the field in one operation.

GET READY NOW TO MAKE MORE MONEY WITH GRASS SILAGE. FILL OUT AND MAIL COUPON TODAY.

GEHL... a good name to go "buy"

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FREE You may send me your booklet on "Streamlined Methods of Harvesting Hay and Making Grass Silage" , Catalog of Gehl Forage Harvesters  FREE PLANS for building self-unloading wagon box using Gehl metal parts kit .

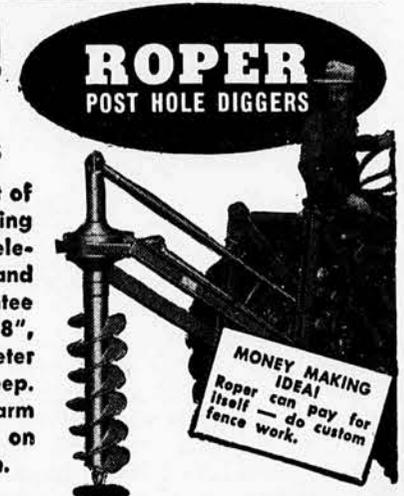
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# Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



Mrs. Dan W. Eastman, Chase county.



Mrs. Everett N. McLeod, Marshall county.



Mrs. Harold E. Staadt, Franklin county.



Mrs. John F. Vallentine, Clark county.



Mrs. Clarence W. Dickhut, Scott county.

## We Honor Master Farm Homemakers



Mrs. Frederick H. Warnken, Reno county.

ONCE AGAIN we pay honor to the Master Farm Homemakers of Kansas, those women who have been chosen for outstanding work in their homes, with their families and in their communities. *Kansas Farmer* has sponsored this project since 1928 and this year with the aid of county, district and state committees of the Extension service, 6 more rural homemakers have been chosen to now make a total of 64.

### MRS. CLARENCE W. DICKHUT Scott County

The Dickhuts are parents of 2 successful children who are now married and settled in homes of their own, the son in partnership with his father in farm operations. Mrs. Dickhut for many years has been active in Scott county, organized summer kindergarten work 25 years ago, has been chairman of art activities in clubs and schools for about the same period, was first president of her home demonstration unit, served 4 years on the Farm Bureau board, served as president of the Woman's Club, served all during the war as Red Cross production chairman. Last fall she was elected Scott county representative to the Kansas legislature.

### MRS. DAN W. EASTMAN Chase County

In the rolling hills of the Chase county ranch country the Eastmans make their home. They are the parents of 6 daughters, all married and in homes of their own and the proud grandparents of 6.

All her married life, Mrs. Eastman has taken part in affairs of the school, church, club and farm organizations. She has served on the county advisory council of the Extension service, part time as president, taught Sunday school classes, held every office in the home demonstration unit, has been president, vice-president, secretary and treasurer of her social club and community reporter for county news-

papers. She helped organize 4-H Club work in her community and served as leader for several years. Mrs. Eastman credits her success to the constant kind co-operation of her husband, her daughters and neighbors. She measures success in homemaking by the character of the children who grow up there, by the standing of the family in the community and by the state of mind of the members of the family.

### MRS. EVERETT N. MCLEOD Marshall County

The McLeods live on the family farm homestead, altho retired from active farming. Farm work is now carried on by sons who live nearby with their families. Mrs. McLeod is the mother of 3 sons and one daughter and grandmother of 9.

During the years, she spent much time in 4-H activities with her own and neighboring young folks. Her sons in turn are active in making their community a better place for young and old. They believe farm life to be good and that it should be attractive to young folks.

She has taken part in home demonstration work, being a member since it was organized. Over the years she has held all offices in the unit and served as 4-H Club leader for 19 years. Many county and district 4-H honors were won by the members of her club. She maintains this work has been enjoyable and has kept her mind young and active.

### MRS. HAROLD E. STAADT Franklin County

Altho the only child of Mr. and Mrs. Harold E. Staadt is now a chemical engineer living in a home of his own and out-of-state, Mrs. Staadt speaks with much affection of the young folks in their rural church and 4-H Club. Interest did not wane when he left home. She takes an active part in community fellowship meetings, school affairs, the Sunday school, has held all offices in her home demonstration unit, worked for years in 4-H work, the Grange and CROP. Altho

she lives only a short distance from the county seat, her chief interest is the welfare of the young people in her rural community.

Her home is modern, attractive, efficient and a haven for family and friends. Her interests do not end there, stretching to her community, nation and the world.

### MRS. JOHN F. VALLENTINE Clark County

The Vallentines live in a modern, attractive, efficient farm home in a setting of trees and grass 19 miles from their county seat in Clark county. In any county there is great need for community effort and Mrs. Vallentine has given abundantly of her time. She believes a lack of social activities tends to lead children as well as adults to the city and town for recreation.

She has taken an active part in her home demonstration unit, in 4-H Club work, in Sunday school and has served both as county chairman and district chairman of the Associated Women of the Farm Bureau.

The Vallentines are parents of a son and daughter who also have assumed responsibilities in community affairs to make rural life attractive.

### MRS. FREDERICK H. WARNKEN Reno County

Altho the busy mother of 4 young folks, 3 of them still at home and in school, Mrs. Warnken has made outstanding contributions to her community, county and state. This year she was named a member of the board of trustees of the Kansas State College Endowment Association. A daughter attends Kansas State College. She has held offices in Sunday school, home demonstration unit, her social club, has been a leader in 4-H Club work and program chairman for the local YWCA.

She believes participation in community affairs has made her aware of causes of delinquency and impressed her with the responsibility of being "my brother's keeper."

## To Please the Children



At school the children will be reading about Mount Vernon, Valley Forge and the Crossing of the Delaware. At home they love a deep dish cherry pie.

### Deep Dish Cherry Pie

- 3 tablespoons quick tapioca
- 3/4 cup sugar
- 1/4 teaspoon salt
- 2 tablespoons melted butter
- 3 cups sour cherries, drained
- 1 cup cherry juice
- pastry for 1 crust

Combine tapioca, sugar, salt, butter, cherries and cherry juice. Let stand about 15 minutes. Pour into a deep square or round 8-inch baking dish. Roll pastry to fit top of dish and cut holes and slits in cherry design to permit escape of steam. Bake in hot oven (425°) 45 to 50 minutes. If water-packed cherries are used, increase sugar to 1 cup.

## Contest Opens Now Cash and Books to Be Awarded

WITH THIS ISSUE *Kansas Farmer* starts its third story-writing contest. This time the subject is "Why I Like to Live on a Farm." In a previous contest we received hundreds of stories from seventh and eighth graders on this subject. We read every one and prize winners were announced in the home department and their stories printed.

Here are the prizes:  
 First award: Winner to receive a personal cash prize of \$25, plus \$100 worth of books for his or her school library.  
 Second award: Winner to receive a personal cash prize of \$15, plus \$75 worth of books for his or her school library.  
 Third award: Winner to receive a personal cash prize of \$10, plus \$50 worth of books for his or her school library.

### Rules of Contest

1. Subject shall be, "Why I Like to Live on a Farm."
2. Story must not be longer than 500 words.
3. Story must be the student's composition, not the teacher's.
4. Story must be written plainly or typewritten on 8 1/2" by 11-inch paper, on one side only.

### Valentine Cookies

- 1/2 cup shortening
- 1/2 cup sugar
- 2/3 cup molasses
- 1 egg
- 2 3/4 cups sifted flour
- 3 teaspoons baking powder
- 1/2 teaspoon salt
- 1 1/2 teaspoons allspice

Melt shortening and cool. Add sugar, molasses and egg. Beat well. Sift together flour, baking powder, salt and allspice. Add to first mixture and mix well. Roll in waxed paper and chill. Cookies hold shape better if rolled and cut on greased and lightly floured baking sheet instead of rolling on a board and transferring to baking sheet. Roll dough evenly 1/4-inch thick. Cut in heart shapes with cookie cutter. Decorate with silver dragees and candy sprinkles. Bake in moderate oven (375°) 10 to 20 minutes.

5. Be certain your name, address, and name of school are written at top of each page.

6. Mail your story to Florence McKinney, Home Editor, *Kansas Farmer*, Topeka.

7. Only one entry may be submitted from a school. The teacher will choose the best one.

8. To be eligible for grading by the editorial staff, stories must reach this office not later than March 31.

### Eligibility

1. Seventh and eighth grade boys and girls who attend a rural school under the jurisdiction of the county superintendent.
2. All those who enter must live on a farm of not less than 3 acres.
3. Pupils from schools who won in either of our 2 previous contests are not eligible.

### Home for Good Manners

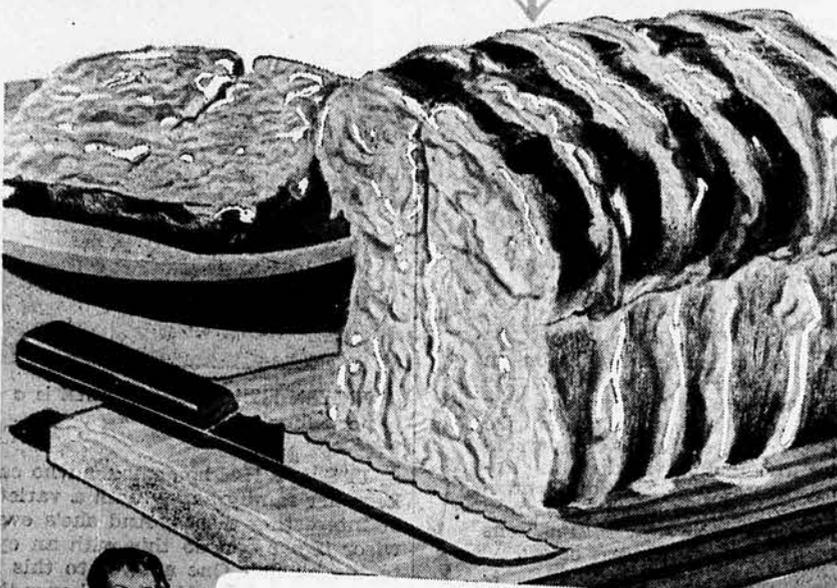
Home is the best place to teach good manners according to the Golden Rule. The American Mutual Liability Insurance Company recently stated that discourteous driving is mainly responsible for more than two thirds of all traffic accidents involving deaths.

Remember the Golden Rule!

Serve piping hot

# LUNCHEONS! SNACKS! PARTIES!

## Toasted Cheese Loaf



Use a loaf of homemade bread for

Betty Crocker's

## TOASTED CHEESE LOAF

SERVE WITH GREEN SALAD FOR A SIMPLE LUNCHEON

Make 2, 4, 6, or 8 loaves of bread. (Use Betty Crocker's bread recipe on folders in 25, 50 and 100 lb. sacks of Gold Medal Flour.) Serve one of the baked loaves as follows:

Cut across into 1-in. slices, just to the lower crust but not through it. Spread soft cheese spread between each slice. (If cheese spread is not available, use the recipe below.) Then cut lengthwise through center top, just to the lower crust but not through it. If the loaf tends to fall apart, tie it with string. Brush with melted butter and toast 20 to 25 minutes in quick moderate oven (375°). Serve piping hot on a breadboard or in a basket.

- CHEESE SPREAD**  
 Youngsters call it yummy!
- 1 1/2 lb. grated processed American cheese (2 cups)
  - 1/2 cup cream
  - 1/2 tsp. salt
  - 1 tsp. grated onion or finely minced chives or parsley or green onion tops
- Mix together

**VARIATIONS**  
 Easy to make at the last minute!

- SEASONED BUTTER SPREAD**
- 1 cup soft butter
  - 1 clove crushed garlic or 1/4 cup minced parsley or chives
- Mix together

**CHEESE SLICES...** Prepare loaf as above. Insert 1 slice processed American cheese between each slice. Heat and serve as above.  
**Tips:** Try not to cut through the bottom slice of bread. Leave in oven long enough to heat through.

## Why you should always use Betty Crocker's bread recipe and Gold Medal Flour

The recipe you may have been using with a tougher, harsher flour, may not work best with Gold Medal. Betty Crocker's bread recipe takes full advantage of Gold Medal's modern, mellow qualities which help make your dough easier to handle. When used with Betty Crocker's bread recipe, Gold Medal produces wonderful bread... high, full-volumed, crusty brown.

FOR BREADS... BISCUITS... PIES  
 CAKES... COOKIES  
 YOU NEED ONLY ONE BRAND—

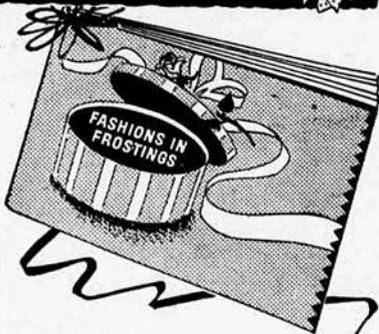


# Gold Medal "Kitchen-tested" ENRICHED Flour

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**BEET SUGAR  
KITCHEN**

by Nancy Haven



It's New! It's Gay!  
It's yours Free!

A 32-page handbook of lessons in sugar magic—the easy but sure guide to perfect frostings and how to use them best to dramatize every cake you bake—from quickies to elaborate wedding and anniversary cakes. Special decorating ideas too. Send to Nancy Haven for free copy of "Fashions in Frostings." Address below.

**Peanut Butter Topknot**

Cover your favorite cake with a white boiled frosting, then swirl on this shiny extra to make it twice as good. There's enough for the topknot and some to spread between the cake layers.

Combine 3/4 cup Beet Sugar with 1/2 cup each evaporated milk and cream-style peanut butter. Cook on medium heat about 7 minutes (222° F.), stirring constantly (it will be like thick sauce). Beat a minute to cool before spooning over frosted cake in a design to suit your fancy.



Here's a trick that will help you frost your cake neatly right on the serving plate... a paper collar protects from dribbles. Place a square of waxed paper on the cake plate; cut a circle from the center, 1 inch smaller than the cake. Tear away the paper while the frosting is still moist.

**Smart Shoppers  
Buy Beet Sugar**

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Quickly Relieved  
by Home Mixture**

**Saves Big Dollars. No Cooking.**

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

From any druggist get 2 1/2 ounces of Pinex, a special compound of proven ingredients, in concentrated form, well-known for its soothing effect on throat and bronchial irritations.

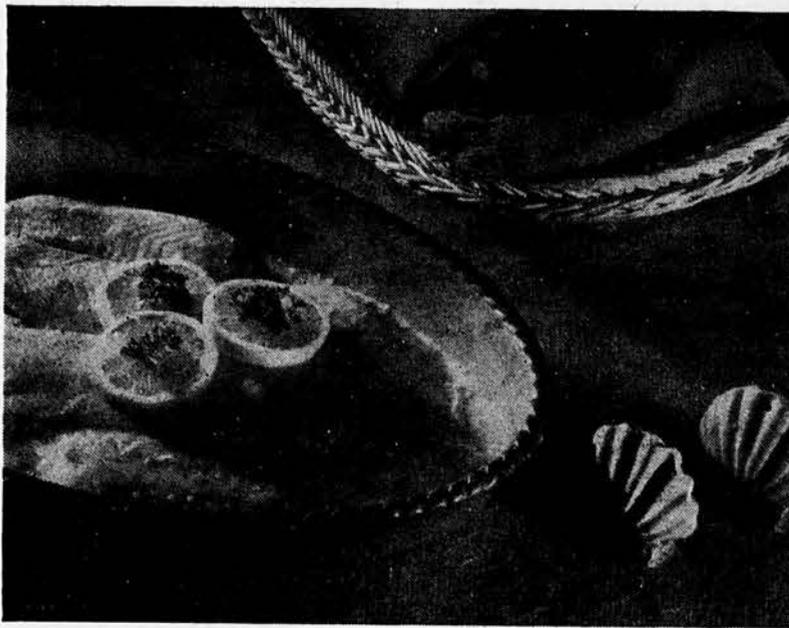
Then make a syrup with two cups of granulated sugar and one cup of water. No cooking needed. Or you can use corn syrup or liquid honey, instead of sugar syrup.

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

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

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

**THE RECIPE CORNER**



**FROZEN FISH BAKED IN MILK** is a dish that pleases the family and fits the pocketbook.

IT'S A WISE homemaker who can keep her family happy with a variety of interesting dishes. And she's even wiser if she can do this with an eye to the budget. One answer to this is fish, any number of kinds. All over the Midwest, the frozen food departments at the grocers are packed with just-right size packages of frozen fish. They're easy to cook, are full of nourishment, a good substitute for meats and taste good, too.

**Fish Baked in Milk**

Let one package of frozen fish fillets stand at room temperature until thawed enough so fillets can be separated. Sprinkle both sides with salt and pepper. Place fish in a greased baking dish. Squeeze a lemon over the fish and dot generously with butter. Pour enough milk in dish to cover the bottom. Bake in moderate oven (350 to 375°) 25 to 30 minutes, or until fish flakes easily when tested with a fork. Garnish with lemon slices and parsley. Serve hot in baking dish or remove to heated platter. Makes 3 or 4 servings.

**Baked Halibut Steaks**

- 2 large or 4 small halibut steaks
- 4 tablespoons butter
- 1/2 teaspoon salt
- 1 teaspoon Worcestershire sauce
- 1 medium onion, sliced thin
- paprika

Wipe halibut steaks with damp paper towel. Place in greased baking dish. Melt butter. Add salt and Worcestershire sauce to melted butter and pour over fish. Lay onion slices over steaks. Sprinkle with paprika. Bake in moderate oven (350°) 25 to 30 minutes, or until fish flakes easily when tested with a fork. Makes 4 servings.

**Salmon Salad Sandwiches**

- 1 16-ounce can salmon, flaked
- 1/2 cup celery, chopped fine
- 1/4 cup green pepper, chopped fine
- juice of half lemon
- salt and pepper
- 1/2 cup mayonnaise

Combine all ingredients. Spread on buttered bread and top with bread slices. Cut in half. Makes about 12 sandwiches.

**Fish Loaf**

- 1 pound cooked fish or 2 cups canned fish
- 1 egg
- 1/4 cup milk
- 3/4 cup soft bread crumbs
- 1/2 teaspoon salt
- 1/4 teaspoon pepper
- 1 tablespoon lemon juice
- 3 tablespoons parsley, minced
- 3 tablespoons green pepper, chopped

Drain and flake the fish. Combine

remaining ingredients, then add fish. Place mixture in a greased loaf pan and bake in hot oven, (400°) for 30 minutes. Serve hot with the following sauce:

**Tomato Sauce**

- 1 small can tomato sauce
- 1 can water
- 1 medium onion chopped fine
- 1 tart apple, chopped fine
- 1 bay leaf, crushed
- 2 tablespoons butter
- 1 clove garlic, if desired
- 2 teaspoons salt
- 1/2 teaspoon ginger

Turn tomato sauce into saucepan, fill can with water and add. Add onion, apple, bay leaf, butter and ginger. Add salt to minced garlic (if used) and press to paste. Add to sauce. Simmer gently 20 to 25 minutes. Strain. Serve 4 to 6. Pour over fish loaf just before eating.

**Trouble With White Nylon?  
Here's the Answer**

Everybody wears nylon these days and everybody wants to know how to keep it white and as fresh as when it was new. That's the problem.

To answer that problem for the homemakers, textile chemists in the Bureau of Human Nutrition and Home Economics did some research work.

They report that all detergents do a better job in soft than in hard water. Soaps and one synthetic detergent built with alkaline salts proved most effective in removing soil from white nylon, but the unbuilt synthetics showed little soil-removing ability with this fabric. So they suggest using the heavy-duty, synthetic detergents for white nylon, if you have hard water.

Use soap if you have soft water. And always wash white nylon garments separately from colored clothes, soaking 20 minutes before washing. Rinse thoroughly.

If you have white nylon garments which are already gray and discolored, the research chemists recommend soaking in 4 changes of water, softened with a good softener containing sodium hexametaphosphate. Read the label for that ingredient. If your garments are yellowed, they suggest bluing in the final rinse water as the only method effective. The bluing does not bleach the fabric, only disguises the yellowish tinge.

If you are making drip coffee for the church dinner, place the coffee in a bag. Slowly pour the boiling water over it. When all the water has been poured over, pour half the resulting coffee thru the bag again. This gives a fuller flavor and a little more strength. Remove the bag as soon as the coffee has dripped thru.



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### YOUR PATTERN PAGE

4570—Look slim in this casual. Perfect for shorter, fuller figure. Half sizes 14½ to 24½. Size 16½ takes 3¾ yards 39-inch fabric.

4811—Neat, trim shirtwaist dress. Misses' sizes 12 to 20 and 30 to 42. Size 16 takes 4½ yards 35-inch fabric; ¾ yard contrast.

4721—Women's sizes 34 to 48. Size 36 takes 3¾ yards 35-inch fabric; ¾ yard contrast.



4570  
SIZES  
14½—24½



4811  
SIZES  
12—20  
30—42

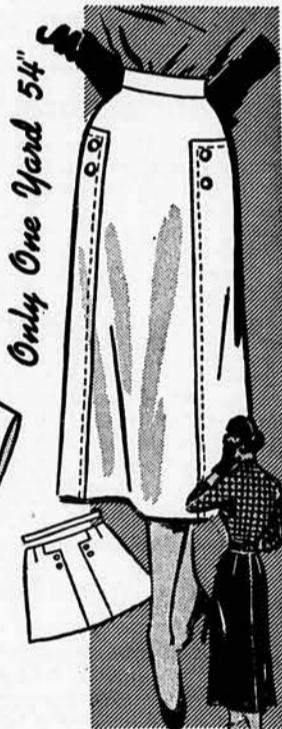


4721  
SIZES  
34—48

4500—New skirt with button trim, side panels. One yard 54-inch fabric is all you need for Misses' waist sizes 24, 25, 26, 28, 30.

9370—Attractive dress, almost sleeveless with flattering collar, panel pockets, step-in closing. Misses' sizes 14 to 20 and 32 to 42. Size 16 takes 4 yards 39-inch fabric.

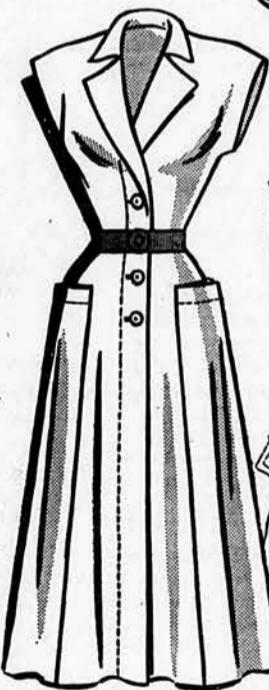
4864—Child's dress and cape. Dress has 2nd version with embroidery, Peter Pan collar. Sizes 2 to 10. Size 6 dress, 2 yards 35-inch fabric; cape 1½ yards 54-inch. Transfer included.



Only One Yard 54"



4864  
SIZES  
2—10



9370  
SIZES  
14—20  
32—42

Pattern Numbers	Size	Name
		Route
		Town
		State

Patterns are 30 cents each. Address Fashion Editor, Kansas Farmer, Topeka.

### ANOTHER PRIZE WINNER FOR USERS OF RED STAR Special Active DRY YEAST

Senior winner, Grand National Baking Contest, Waldorf-Astoria, Mrs. A. R. Rodriguez, Franklinville, New York.



### BUTTER-FLAKE ROLLS

BAKE at 375°F. for 12 to 15 minutes.

MAKES 3 dozen rolls.

DISSOLVE 2 packages RED STAR Special Active Dry Yeast (or 2 cakes Red Star Compressed Yeast\*\*) in ¾ cup warm water (110° to 115°F.). Add 1 tablespoon sugar; stir until dissolved. BLEND IN 1 cup sifted Pillsbury's Best Enriched Flour\*. Cover and let rise in warm place (85° to 90°F.) until light and bubbly, about 20 to 30 minutes. CREAM ½ cup butter; add gradually ¼ cup sugar, 1 teaspoon salt, 6 egg yolks, creaming well. ADD risen yeast mixture; mix well. BEAT IN 3 cups sifted Pillsbury's Best Enriched Flour, one cup at a time. Knead on floured board about 30 strokes. PLACE IN greased bowl, cover and let rise until almost double in bulk,

about 1½ hours. DIVIDE dough in half. Roll each half of dough on lightly floured board to an 18x6-inch rectangle. Spread center third with soft butter. FOLD one side of dough to overlap center. Spread with additional butter. Fold opposite side to overlap. ROLL OUT to 18x6-inch rectangle again. Cut into 1-inch strips. Coil each strip on well-greased baking sheets to form a "snail". LET RISE in warm place until double in bulk, about 30 minutes. BAKE in moderate oven (375°F.) 12 to 15 minutes.

\*If you use Pillsbury's Best Enriched Self-Rising Flour, omit salt. \*\*If compressed yeast is used, dissolve in ¾ cup lukewarm water.



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J. G. Woodroof, Food Technologist, says in the Locker Operator GUIDE BOOK, "you have read and been told by frozen food authorities that you can't keep sausage frozen for more than four months, and when frozen it should not be seasoned. \* \* \* Research extending over a period of three years at the Georgia Agriculture Experiment Station, has shown that sausage may be kept frozen in good condition for two years by following certain precautions." The most important of the precautions is that the meat be thoroughly chilled before grinding, that the meat be ground through a coarse plate and that the proper amount of seasoning added before grinding which is preferable after several months storage.

Send for FREE literature and name of Locker Plants or processors where you can get this seasoning.

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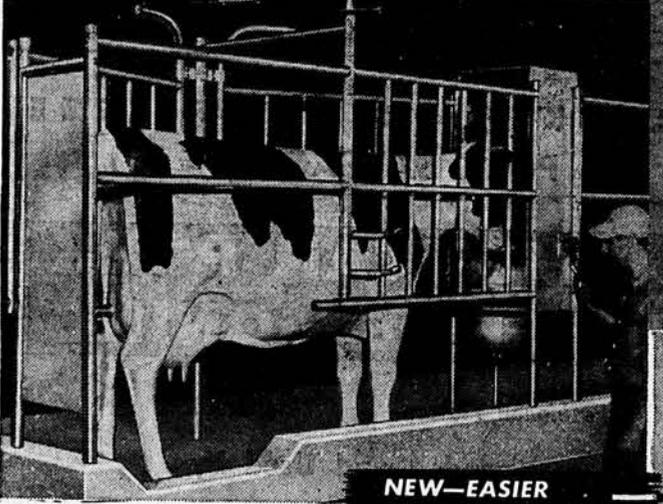
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**She's Top Winner Bread-Baking Contest**



Judith Sorter

Judith Sorter, 16, of Bethel, demonstrated the making of bread and rolls and won a \$50 U. S. Savings Bond in the 4-H Club bread demonstration program.

She used a mirror in her demonstration which showed to good advantage the different stages of the process as well as finished products. By using a red cloth below the mirror and green, red and yellow bowls she brought color into the demonstration. She brushed the rolls with egg yolk to give them gloss and color. Standard Brands provided the bond for this young homemaker.

**BOOKS on review**

**Something About Birds**

We have just received and read with enormous interest a little paper-bound book entitled, "Migration of Birds." We always have been interested in that subject but the interest was mixed with wonder and mystery.

To those of you who feel the same we suggest that you buy this little book and find out for yourselves the theories of the mass migrations of our own Midwest birds. The author, Frederick C. Lincoln, is a biologist and the book is printed by the Fish and Wildlife Service of the U. S. Department of Interior. It may be obtained by sending 35 cents to the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

**Build a Wren House**

The house wren is one of the cheeriest bird neighbors you could want. We have a folder on "Build a Wren House" that gives pictures and directions for 2 houses. Send 3c to Farm and Home Service, Kansas Farmer, Topeka, Kan.

It is well illustrated and covers the aspects of the cause of migrations, the routes, the time of their flight, the speed, the altitude. It explains such simple, everyday phenomena as the fact that robins live among us all the year around. But research has proved that our winter robins are not the same robins who spend the summers with us. Our summer robins have long since migrated to the south. The robins among us in the winter are those which nested in the north, perhaps Canada.

This is only one of the interesting items. There are hundreds more. Fine for 4-H Club members.

**Fabulous Empire**

Here is a book every Midwesterner will enjoy . . . a true story of that fabulous empire, the 101 Ranch down on the Salt Fork in Northern Oklahoma. The Civil War had just ended when G. W. Miller, father of the Miller boys known to our generation, came west. He was a natural born trader with love for gambling for big stakes

in land and livestock. He died a big man on his ranch in Oklahoma. Then his 3 sons took over, Zack, Joe and George. They made it famous all over the world. They built a great white house where William Jennings Bryan and T. R. Roosevelt and other important folks were guests.

Their Wild West Show traveled the world and gave Will Rogers and Tom Mix their starts in the entertainment world.

"Fabulous Empire," by Fred Gipson is a story of frontier life that is closed forever, yet so near many adults can remember it with excitement. It is published by Houghton Mifflin Company of Boston. See your public library or bookstore.

**Patriotic Party Fun**

February is the birth month of 2 truly great Americans and the time when we are particularly thoughtful of our heritage as Americans. And any time is a good time to have a party. Party fun and patriotism are combined in 2 of our leaflets, "A United Nations Party," and "Know Your United States." Any hostess would be happy to have them as February party helps. Send your requests to Farm Service Editor, Kansas Farmer, Topeka. Each 5c. We will give prompt attention.

**Seed Catalog's Arrival**

Cold gray clouds and a strong north wind Are the order of the day. But I don't hear the howling wind For I'm dreaming now of May. Don't care if there's a blizzard Or just a winter fog. Today's thoughts are turned to spring-time By the arrival of the seed catalog.

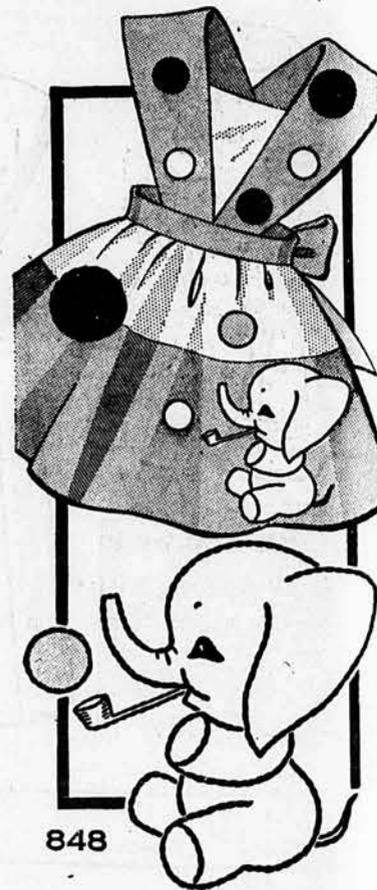
—By Margaret Fenn.

**Shortcut Needed**

I'd like to buy a dog and fetch it up If it didn't first of all have to be a pup.

—By Mrs. John P. Duerksen.

**Cutest of All**

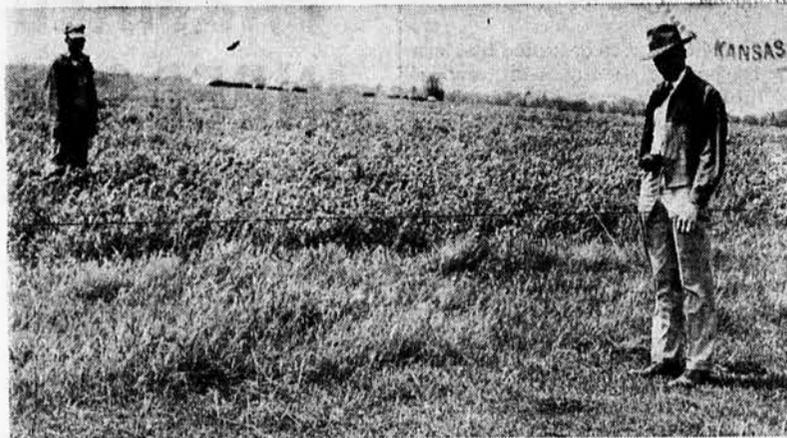


848

She'll adore this pinafore! With its gay little elephant blowing bubbles. It's just what all children love. Use remnants and scraps, ever so easy to make. Pinafore now, sundress later. Pattern 848 has transfer and cutting chart in sizes 2, 4, 6 all included.

Pattern is 25 cents. Address Needlework Editor, Kansas Farmer, Topeka.

## Stocked One Cow to the Acre On This Grass-Legume Mixture



NOTE DIFFERENCE in forage where Louis Peine, left, is standing in brome-alfalfa mixture, compared to where John Knox, Anderson former county agent, is standing in native pasture.



COWS ON PEINE BROTHERS' farm, Anderson county, are wading knee deep in a rich alfalfa-brome mixture that tripled stocking rates on the farm.

LOUIS AND LEO PEINE, Anderson county, had 50 acres of native pasture they believed was not returning enough on their investment.

As an experiment they broke up 22 acres and reseeded the area to a mixture of brome, alfalfa and timothy. This mixture contained 12 pounds of brome, 4 pounds of alfalfa and 3 pounds of timothy to the acre. Applied at seeding time was 200 pounds of 4-12-4 fertilizer.

This grass-legume mixture was seeded early in September of 1950. Next summer they harvested more than 2 tons of hay an acre and got 100 pounds of seed an acre, altho the season was not right for seed production or seed harvest.

After seed was harvested they stocked the grass-legume pasture at the rate of one cow an acre and grazed it during September and October. Their native pasture has been carrying one cow to every 3 or 4 acres on a year-around basis.

Last spring the 2 men put 200 pounds of nitrate and 100 pounds of 20 per cent phosphate on the grass-legume mixture. Cattle were turned back onto the area early in April and left until late in May.

### Sumner County Is Top Wheat Producer

Number one wheat-producing county in Kansas in 1952 was Sumner county with 10,727,000 bushels. This was first time in history of the state a county has topped the 10,000,000 mark! Sumner also ranked first in acreage harvested, with 424,000 acres.

Reno county was second, with 8,920,000 bushels, and 400,000 acres har-

vested. Ford county was third, with 8,601,000 bushels, and 366,000 acres. All 3 counties topped the previous high production for a county—8,541,000 bushels in Ford county in 1931.

These 6 counties produced more than 6,000,000 bushels—Barton, Pawnee, Thomas, McPherson, Finney, Harper and Pratt.

Highest yields per harvested acre in 1952 generally were in the Northwestern, West Central and Southeastern Kansas counties. Rawlins county was first, with 27.2 bushels per acre, followed by Scott county with 25.9 bushels and Decatur, with 25.7 bushels. The state's crop of 307,629,000 bushels was largest on record. It was more than double the small 1951 crop and almost 110,000,000 bushels above the 10-year (1941-50) average.

### Test Lime Samples

Samples of lime analyzed by the agricultural lime testing laboratory operated by the state PMA office totaled 2,688 during 1952. Testing was done in connection with the administration of this part of the agricultural conservation program. Same work will be done this year.

### Win Fifth Place At Denver Show

Kansas State College livestock judging team placed fifth in annual Intercollegiate Stock Judging Show at Denver, January 18.

Team members placed fourth in judging breeding beef cattle and high carlot division Hereford bulls, and tied for fourth in wool judging.

## COMING, FEBRUARY 21 . . .

Every farm family is interested in farmstead planning. You will want to see the ideal farmstead arrangement and story which will appear in the February 21 issue of *Kansas Farmer* as a follow-up to the farmstead planning feature in this issue.

Kansas Farmer editors are glad to bring you these 2 stories, which summarize the latest ideas being recommended by Kansas State College in its Balanced Farming program.

# MOTHERS! FATHERS! UNCLE'S! AUNTS!

## HELP THE BOY OR GIRL OF YOUR CHOICE BUY A PUREBRED CALF in the GOOCH RED CIRCLE Calf Auction July 25th



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**ASK YOUR FRIENDS TO HELP!**

The 1953 GOOCH RED CIRCLE Calf Auction Will Be Held at the Famous CK Ranch, Brookville, Kansas, July 25th.

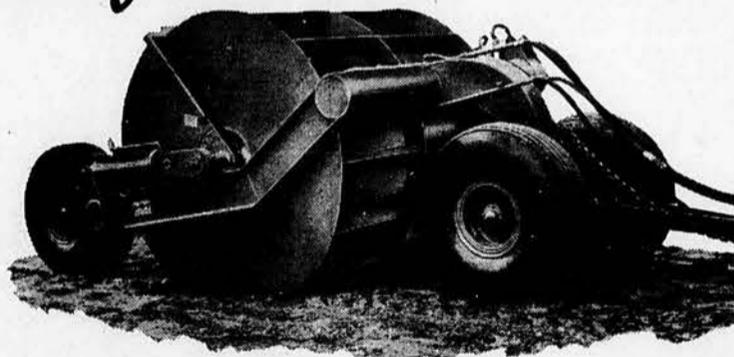


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## Here Are the Folks Who Make Up President Eisenhower's Cabinet

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—Man for man (including the woman, of course) and job for job, President Dwight D. Eisenhower has turned up with just about the strongest Cabinet, individually, of any President in many, many years.

Practically all of them are high-class executives, with years of training. Many are in the millionaire class—this the Democrats hope will be a political asset, rather than a liability, by 1956; perhaps by 1954. But laying politics aside—if that is possible—Congress is making what many of its leaders regard as a last-ditch fight to hold the power and prestige of the Legislative branch of the Federal Government. And perhaps regain some of the Congressional stature which the late Franklin Delano Roosevelt wrested from it during his 12-year reign.

### The Wilson Problem

Two of the Eisenhower Cabinet especially promise to draw fire early. One of these, Charles E. Wilson, ex-president of General Motors, was so "hot" it was the sixth day after the new President was inaugurated before Wilson was confirmed as Secretary of Defense. And Roger M. Kyes, for Wilson's Deputy Secretary; Robert T. Stevens, Secretary of the Army; Robert B. Anderson, Secretary of the Navy; and Harold E. Talbott, Secretary of the Air Force, lagged several days behind their chief, Secretary of Defense, in getting Senate confirmation.

Strictly speaking, only Wilson in the Defense group is a member of the Cabinet. But his 3 armed forces secretaries each has the right to go directly to the President on matters relating to their jurisdiction, respectively Army, Navy and Air Force.

Another hot seat is occupied by Ezra Taft Benson of Utah, Secretary of Agriculture. This was almost bound to happen. Conditions of 1952-53 are strongly reminiscent of 1928-29: peak industrial activity, climbing market prices (altho not to the extent of the post-world war speculative boom), and falling commodity prices the world over. With sagging farm prices leading the downward trend in all commodities except a few scarce or needed in war production.

Ezra Benson, farmer, one-time county agent, former executive secretary of the National Council of Farmer Cooperatives (headquarters in Washington, D. C., for 5 years), faces active opposition from proponents of rigid high price supports. Also, so far, rather negative opposition from the national farm organizations.

None of these groups were recognized nationally as such in the 16-man Interim Agricultural Advisory Committee, headed by Dean W. I. Myers, Cornell University. On the committee were mainly (1) heads of co-operatives, (2) representatives of commodity groups, (3) trade (marketing) men, (4) state instead of national heads of the Farm Bureau, Grange, and Farmers Union.

The day after he was confirmed, Secretary Benson announced a sweeping reorganization of the administrative operations of the department. He reshuffled the 20 agencies in the department into 4 departments. Agency heads will report to the heads of their respective departments, instead of to the Secretary as under Charles F. Brannan. It's a decentralization move.

Hardest hit in the reshuffle is the Production and Marketing Administra-

(Continued on Page 34)

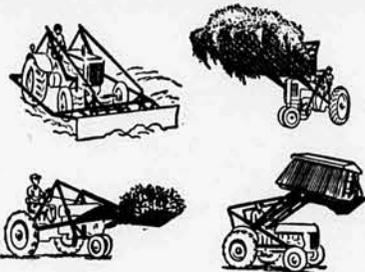


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Fast... Easily**



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**3 NEW IDEA-HORN  
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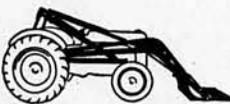
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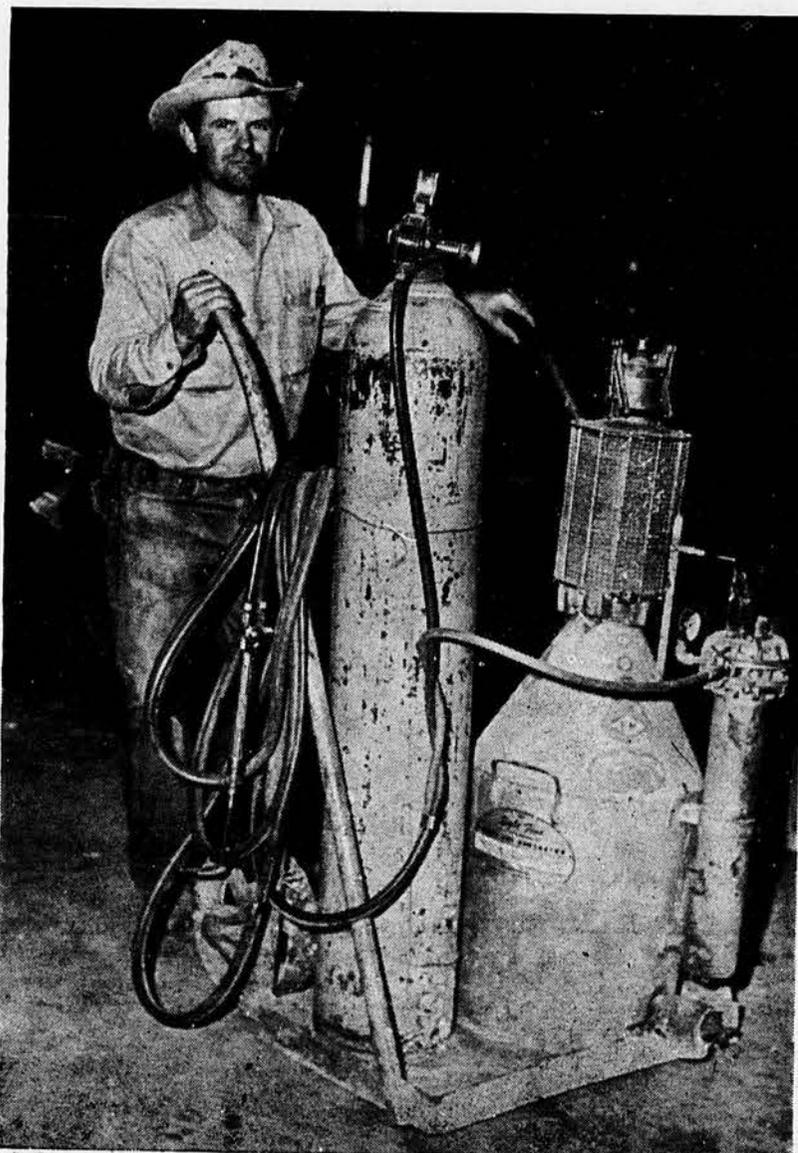
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## Kansas Farmers Want New Markets

(Continued from Page 8)

Chamber of Commerce flood control council. In brief, the legislation, which represents the thinking of farmers and business men thruout Kansas, would allow residents within any watershed, regardless of how small, to organize an association that could tax the area for carrying on watershed treatment to prevent soil loss and flood loss. *Kansas Farmer* in an early issue will have a story going into detail on this proposed legislation.

L. J. Blythe, president, Flint Hills REA, took several pokes at the Kansas Corporation Commission and private power interests. He accused the Corporation Commission of allowing private electric companies to enter REA territories to "steal business." His accusations were denied the next day by officials of the Kansas Corporation Commission.

### Getting More from Roughage

An interesting section of the annual program was a round-table discussion on "Getting the Most From Low-grade Roughages." This discussion was led by Dr. Rufus F. Cox, head, department of animal husbandry, Kansas State College, with Dr. F. C. Fountaine of the dairy department and Dr. D. Richardson of the animal husbandry department appearing on the panel.

Here are some highlights from resolutions passed by the delegates at the meeting:

Asked U. S. Department of Agriculture to devote more effort to marketing and finding new markets.

Favored legislation for a Kansas Predatory Animal and Rodent Control Service to co-operate with Fish and Wildlife Service of the U. S. Department of the Interior.

Urged that U. S. Department of Agriculture be authorized to accelerate and intensify its program of soil erosion control and flood prevention in Kansas, and that the state legislature give serious attention to workable watershed legislation. Also urged that people whose property or other interests are acquired for reservoirs, floodways, and other soil and water control measures should be compensated to an extent at least equivalent to re-establishing them under similar circumstances.

Asked for legislation to require deputy county assessors to collect information as to kind, number and value of

livestock killed by hunters. Further legislation tightening requirements for obtaining permission to hunt, fish and trap on premises of another, and increasing penalty for unlawful hunting and fishing. Provision for cancellation of license following a conviction under any of such laws.

Commended efforts to strengthen protection of farmers' grain stored in public warehouses.

Suggested need of legislation to require proof of financial responsibility before getting driver's license. Also, legislation to require submission of current ad valorem tax payment receipt for each vehicle before any motor vehicle registration tag is issued.

Deplored regulations that require persons in need of aid to give up employment furnishing partial support in order to receive aid.

Recommended semi-monthly reporting by the Federal Crop Reporting Service in June and July on winter wheat crop yields.

Recommended that Congress give special consideration to reorganization of those executive agencies dealing with soil and water problems.

Favored appointment of the Interim Commission to study equalization of assessment and taxation for report to the 1955 legislature.

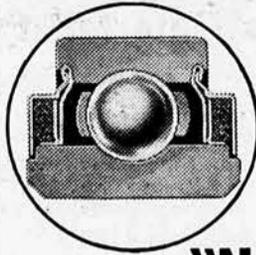
Favored legislative action and constitutional amendment, if necessary, to encourage taxpayers of farm property to improve rather than destroy and remove existing farm buildings.

Approved enactment of legislation to prevent cities from disposing of raw garbage for feeding livestock.

### Elect Don Christy to SCS Committee Helm

Elected chairman of Kansas State Soil Conservation committee is Donald Christy, Scott City, succeeding George Rinehart, Parsons. Mr. Rinehart served since 1939, and as chairman the last 10 years.

Members of newly-organized committee include C. C. Cunningham, El Dorado, vice-chairman; Clarence Brown, Collyer; Bernard Melia, Ford; John Hamon, Valley Falls; F. J. Sykes, Salina, state soil conservationist, and Deans L. C. Williams and A. D. Weber, Kansas State College. Harvey Snapp, Manhattan, is secretary.



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### Is Deferred Feeding Unsound?

(Continued from Page 1)

calves. This means very few made a profit—that one out of 4 would be way too high. Does this mean the deferred-feeding program is unsound? No, but it means the day has passed when anything we put in the feed lot will make money. It means, in the future, we will need to watch the fine points of the program a lot closer. It probably means much needs to be done by someone to make the right size and quality of calves more available to the small feeder.

Even the better operators had a rough time of it in 1952. Mr. Moyer gave us a list of men he predicted would make money on their projects. We picked one, Lester Pence, of Shawnee county, for study. We planned to find what Mr. Pence did that made the difference between loss and profit. When his cattle were marketed, however, and he worked out cost figures used in this story, he showed a loss of \$34.21 a head.

#### Looks Easy on Paper

When you run thru his project figures and visit with Mr. Pence you soon are impressed with the fact it is easy to work out an ideal feeding project on paper, but hard to carry it out in every detail under average farm conditions and especially in a year like 1952.

Mr. Pence knows, of course, the ideal calves for deferred feeding should be of good quality weighing around 400 pounds. "But," he says, "when I went out to buy my calves in the fall of 1951 I took the best I could find. In order to make up the 65 head fed I bought 39 head at one place on September 18, and 26 head at another place on October 23. Their average weight was 513 pounds and I paid an average of 37.9 cents a pound for them."

These figures indicate that the Pence calves were about 100 pounds heavier than ideal for deferred feeding. He also had quite a spread in quality and size because the 2 bunches were purchased more than a month apart from 2 sources. This is such a common problem for those who wish to follow this program we think something should be done about it. In Missouri, for instance, small cow herd owners have banded together to hold feeder calf sales. At these sales all calves are sorted as to size and quality. This is a definite advantage to both seller and buyer and such sales, if properly organized and conducted, might prove very valuable in many areas of Kansas.

First wintering phase on the Pence farm ran 210 days, from October 1 to May 1. Grain cost per head ran to \$11.77; alfalfa silage \$18; sorgo (chopped with grain) \$12; alfalfa and prairie hay \$4.50; protein \$5.17. This made a total wintering cost of \$51.44 a head, which figures down to \$27.50 per 100 pounds of gain. Cattle gained 187 pounds for an average daily gain of .9 pound.

#### More Weight Wouldn't Pay

When figured on a cost of 100 pounds of gain, this wintering cost seems a little high, thinks Wilbur Levering, Shawnee county Extension agent. But, the Pence cattle weighed an average of 700 pounds when they went to grass. It would not have paid Mr. Pence to put any more total weight on his calves since they were heavy at the start.

Despite the fact his pasture is rated as "only fair," Mr. Pence reported his cattle gained 125 pounds on grass from May 1 to July 27, which put them up to an average of 825 pounds when he started his full-feeding phase. Protein was fed on grass the last 28 days. Cost of grass was figured at \$10 a head. "A fair figure for that particular pasture," thinks Mr. Levering, but somewhat lower than many of you figured your grass costs last summer.

During the full-feeding phase Mr. Pence figures a grain cost of \$41.77 a head. He fed an average ration of 15 pounds of corn daily, with corn figured at \$1.50 a bushel. Protein cost was \$10.92 a head and hay cost \$4.80. Protein valued at \$94 a ton was fed at rate of 2 pounds a day. Five tons of alfalfa

hay at \$30 a ton and 9 tons of prairie hay at \$18 a ton were consumed by the 65 head.

The Pence cattle gained an average of 256 pounds during the full-feeding phase at a cost per head of \$57.49, which figures out \$22.45 per hundred pounds of gain, a better showing than for the first wintering phase.

#### Tried for Higher Grade

Because some of his calves were big and somewhat rangy, Mr. Pence was advised by commission men to feed about 30 days longer than he normally would to get them into a higher grade. He shipped 43 head to market on December 7, but they were graded as "high good" rather than "choice" as he had hoped. The price of cattle also continued to decline during the 30 extra days of feeding so he got only \$26.50 a hundred for his first load. The other 22 head were sold on December 21, for \$27 a hundred. About half failed to grade "choice."

One thing that hurt the price was size, thinks Mr. Levering, as these cattle averaged out at 1,081 pounds when sold. Glenn Pickett, state livestock sanitary commissioner and secretary of the Kansas Livestock Association, thinks the Government compulsory grading program hurt Mr. Pence and a lot of the rest of you feeders at market time. Mr. Pickett says: "Under the Government compulsory grading system beef of the same value for all practical purposes varies as much as 10 cents a pound because of the whims or decision of a federal grader. Where a grader judges cattle on the borderline between "low choice" and "high good" it means as much as \$50 to \$60 a head on a 1,000-pound steer. You and I know that can mean the difference between breaking even or a ruinous loss."

Indeed, in summarizing the Pence project it is difficult to reconcile a loss. He more than doubled the weight on his calves at an average cost of \$20.93 per 100 pounds of gain for all phases, yet his return per \$1 of feed used was only 71 cents. Initial cost of the calves was \$194.48. Total expense for feed was \$118.93, making a total cost per head of \$313.41. The calves sold for an average of \$279.20 a head. Since Mr. Pence operates on his own capital there was no interest cost.

#### Expected to Make a Profit

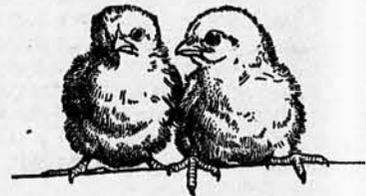
When we first talked to Mr. Pence in October he still expected to make a profit. He estimated his cattle would market at an average weight of around 1,000 pounds and bring 30 cents a pound. Even with his feed cost of \$313.41, which was higher than he thought it would be, he could have taken a drop of 7.9 cents a pound between his calf cost and final sale price and still made a labor profit of \$10.89 a head. In other words, he was working on what should have been a safe margin. But no one foresaw that he would have to sell for less than 27 cents.

Yet, here is the beauty of the deferred-feeding program. If you go into it with enough finances to carry you thru a 2-year period you can hardly go wrong. Mr. Pence is so financed. Last fall, before he had sold his 1951 calves or knew he was going to take a loss on them, he had purchased 56 replacement calves at a cost of 28 cents a pound. He had on hand 11 raised on the farm.

His feed costs will run about the same this year as last. Altho cattle prices might remain at their present low level he is in good position to more than recoup his loss in 1952.

Discussing the disastrous 1952 feeding year, County Agent Wilbur Levering adds this comment: "Many farmers I have talked to bemoan the fact that had they sold their grain and roughages in 1952 they would have made a nice profit instead of taking a loss. They seem to forget that if everybody had been trying to sell their grain and roughages the market on them wouldn't have been so good either."

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# What Kind of Farmstead?

(Continued from Page 6)

## Selecting the Site

1. ACCESS
  - (a) With Respect to Farm
  - (b) With Respect to Pub. Fac.
2. ELEVATION & DRAINAGE
3. WATER SUPPLY
4. NATURE of SOIL
5. ORIENTATION
6. PREVAILING BREEZES

Third, be sure there is an adequate water supply.

Fourth, consider the nature of soil. "Some farmers in the past," says Mr. Wendling, "have felt they should put their farmstead on the least-productive knob on the place. Then, later, they learned they could not have a lawn, garden, shrubs or trees. Actually, the farmstead should be a productive unit since it should produce some of the food for home consumption, plus flowers, grass and shrubs that make home surroundings a place of beauty and satisfaction to the family.

Fifth, consider orientation. A pleasant view is always desirable. Remember, a farmstead is more than a factory. It also is the family home.

Sixth, consider prevailing breezes. The home should be located to be benefited by summer breezes and protected from winter cold. All building locations should be planned so odors from livestock sheds and lots will be carried away from the home.

### To Make a Map

Now, prepare a map of the new farmstead site. Mr. Wendling suggests using paper that is marked off in squares. Then you can draw your map to scale, using 1 inch as 20 feet.

If you will study the 3 charts used in this story you will see how the specialists work out a completed rough drawing showing general areas for each part of the farmstead.

When you have gone this far you should then list all your basic farmstead needs, develop a traffic system for the farmstead and pick the actual site for each building, whether you plan to build it now or sometime in the future. By listing all your building needs for the foreseeable future you can spot them in the correct place on your farmstead map. Then, as you build them, each new building will fit into the complete plan.

Rebuilding an old farmstead is more

difficult than planning a new one but, here again, making a map to show what you eventually want will enable you to correct errors made in the past.

Your farmstead traffic system needs a graded and surfaced roadway 15 to 25 feet wide leading to all major points of activity on the farmstead, with 30 feet clearance between fences for movement of machinery and portable buildings. If possible, the driveway should provide an area for turning vehicles without backing, and should have a branch leading to the front (not back) door of the farmhouse. This branch should provide parking space for visitors without blocking the main driveway.

Your farm court, say the specialists, should be at least 80 feet wide and as long as your needs require. The court should afford access to all buildings without having to go thru any lots or gates. Corrals, lots and livestock shelters need to be at least 125 feet from the house. Livestock facilities located in a northeasterly direction from the house are best in Kansas, with a northwest location second best and straight north third best.

### Keep Back From Road

Your farm home needs to be from 100 to 200 feet from any road. This eliminates most road noise and dust and is safer for children. It also is best in case the road should be widened later. Many overlook this and later find their new homes practically on the highways. In fact, it might be wise to check with road officials first to see whether any changes in location of roads past your farm are planned.

These are just the highlights in farmstead planning. If you want more detailed help stop at your nearest Extension office and ask for the bulletin, "Planning the Kansas Farmstead." This attractive bulletin issued by Kansas State College covers all points listed in this article, plus information on windbreaks and landscaping. It also has a graph and cutouts with which you can plan model farmstead layouts.

Whether you are planning a new farmstead or remodeling an old one, remember this: The farm operator spends from 50 to 80 per cent of all his working hours in or around the farm buildings. Proper planning of the farmstead, then, can well mean the difference between success or failure in the farm business.

### Choose Kansan

A Kansan will head the clerical staff of the Senate Agricultural committee of the 83rd Congress, Washington, D. C. James Kendall, 1941 Kansas State College graduate, held the same position in the 80th Congress, when the late Senator Capper was chairman of the Senate committee.

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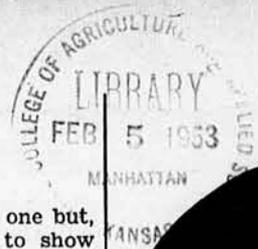
## ISAAC NEWTON

Isaac Newton, first commissioner of the U. S. Department of Agriculture, was born in Burlington county, N. J., on March 31, 1800. He died in Washington, D. C., on June 19, 1867.

After a good common school education he married and settled down to pursue his life work—farming. He began in Delaware county, Pa., became active in the state agricultural society and in the U. S. Agricultural Society. He early introduced resolutions at these societies urging the U. S. Congress to establish a Department of Agriculture. After 20 years of work the USDA was established, on May 15, 1862.

Five volumes—the first 5 annual reports of the USDA office—remain a written monument to his name. He used every effort to carry out these great principles—a more thoro knowledge and practice of agriculture as an art and science; a more thoro education of farmers in physical sciences, in political economy, in taste and general reading; a continued and increasing demand for agricultural products, both at home and abroad.

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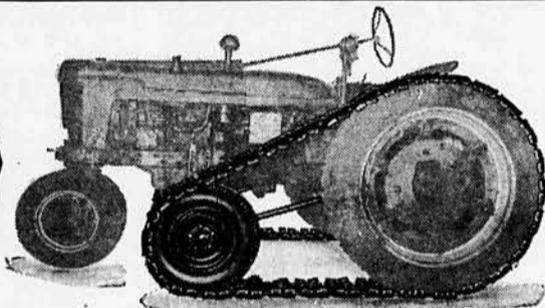
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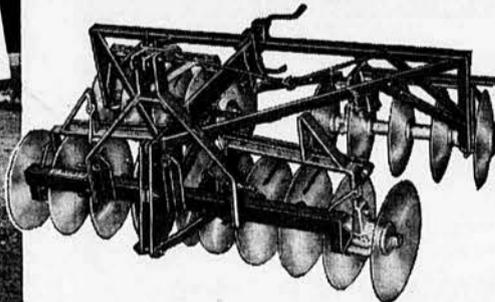
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**KILL  
CORN BORERS**

By  
PACKING Ground Firmly  
After Plowing Stalks  
Under



**WESTERN SPROCKET PACKER & MULCHER**

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

Western Land Roller Co., Dept. 134  
Hastings, Nebraska—Manufacturers

**THE SOIL MOVER!**

HYDRAULIC CARRY ALL SCRAPER



FOR CONSERVATION  
IRRIGATION...  
GENERAL FARM  
WORK AT  
LESS COST!

MOVE MORE DIRT with the soil mover front pick-up—dump backward without stopping. Uses tractor hydraulic system. There's a SOIL MOVER designed for your tractor. From 1 to 3½ cu. yds. capacity—Automatic rear-leveling gate. 7 models to choose from. A proven scraper—built since 1939.

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All fields need leveling regardless. Eliminate potholes—dead furrows, etc. Adjustable rear axle floats—dry or wet fields. 24 ft. long—8 or 10 ft. bucket hydraulically operated. Pulls in 3rd gear with ordinary farm tractor. Heavy pipe frame—7 years field tested. Buy a real leveler—THE SOILEVLER. Write for free literature and name of your dealer. CONTINENTAL EQUIPMENT CO. COLUMBUS, NEBRASKA

**THE SOIL MOVER CO.**  
COLUMBUS, NEBR.

**WHERE THE EAST MEETS THE WEST**

One hundred and nine kinds of wild animals are known to have existed in Kansas within historic time. According to a publication released by University of Kansas and State Biological Survey, 7 of the 109 are probably extinct. Kansas is the meeting ground of the Great Plains grassland fauna (life) and the eastern, deciduous forest fauna. Here, biologically, the East meets the West. Several kinds of mammals reach their northern limits and other kinds reach their southern limits. Result is Kansas has more kinds of mammals than most states east of the Rocky Mountains!

**Here Is the Eisenhower Cabinet**

(Continued from Page 30)

tion (PMA), which had become the dominating factor in the department itself.

Another change is attachment of the Soil Conservation Service to the Extension Service. To just what extent is not yet entirely clear.

Here are the 4 new department groupings, with the head of each:

1. Commodity Marketing and Adjustment Group, headed by John H. Davis, formerly secretary of National Council of Farmer Cooperatives; Commodity Credit Corporation, Commodity Exchange Authority, Federal Crop Insurance Corporation, Production and Marketing Administration.

2. Agricultural Credit Group, headed by Romeo E. Short, Arkansas Rice Growers (vice-president AFB); Farm Credit Administration, Farmers Home Administration, Rural Electrification Administration.

3. Research, Extension and Land Use Group, headed by J. Earl Coke, Assistant Secretary of Agriculture; Agricultural Research Administration, Bureau of Agricultural Economics, Extension Service, Forest Service, Office of Foreign Agricultural Relations, Agricultural Conservation programs branch.

4. Departmental Administration Group, headed by Richard D. Aplin, assistant to the secretary; Hearing Examiners, Library, Office of Budget and Finance; Office of Information, Office of Personnel, and Office of Plant and Operations.

Heads of these 4 groups will meet weekly with Secretary Benson, Undersecretary True D. Morse, Solicitor Karl D. Loos, and Benson's executive and administrative assistants, to determine departmental policies.

**In Eisenhower Cabinet**

The Cabinet and top men (and a woman) of near or part-Cabinet rank: **Secretary Benson:** Utah, farm-born and reared, farm operator, county agricultural agent, Extension work in marketing, graduate work at Iowa State College and University of California, livestock ranch operator.

**Secretary of Defense:** Charles E. Wilson, resigned as president of General Motors, after 34 years with the organization; trustee of Carnegie Institute of Technology, from which was graduated 43 years ago. Also on board of trustee of half dozen other organizations and corporations. He promised to divest himself of all connections with General Motors, including some 41,737 shares of stock. Wilson gives up salary and bonus which last year ran over \$600,000 to take the \$22,500-a-year Cabinet job.

**Secretary of State:** John Foster Dulles of New York; rank of major World War I, counsel for American delegation at Versailles, member U. S. delegation which worked out United Nations Charter at San Francisco, Republican adviser, Council of Foreign Ministers at London, 1945; member U. N. Assembly, appointed to U. S. Senate by Governor Dewey in 1949; defeated for election, became consultant to State Department; in charge of Japanese peace treaty negotiations for the United States.

**Attorney General:** Herbert Brownell of New York, right hand of Governor Dewey in 2 presidential campaigns; under Dewey's direction said to have "master-minded" General Eisenhower's successful campaign for GOP nom-

ination at Chicago; credited with leading part in handling "higher-up" patronage between election and inauguration. Job now, "clean up Washington mess."

**Secretary of Treasury:** George Magoffin Humphrey, 34 years with M. A. Hanna firm; resigned as president (since 1929) of this \$120,000,000 empire that controls Midwestern coal and iron mines, steel mills, rayon and plastic factories, and a fleet of Great Lakes freighters. He is known as a conservative and "sound money" man. From a corporation that makes profits, he goes to job of handling U. S. finances.

**Postmaster General:** Arthur E. Summerfield, Flint, Mich., told committee (Sen. Frank Carlson, Kansas, chairman) he has separated himself completely from his Chevrolet agencies at Flint, Grand Rapids and Clio, Mich. Another General Motors man. Job is to handle Post Office Department at a profit.

**Secretary Department of Interior:** Governor Douglas McKay, Salem, Ore. Owner of Douglas McKay Chevrolet Co., Chevrolets and Cadillacs since 1927. Mayor of Salem, state senator Oregon legislature, Governor Oregon 1949-53. Says opposed to Federal power, favors state or private ownership of public power.

**Secretary of Commerce:** Sinclair Weeks of Massachusetts, shares honors with Attorney General Brownell of Dewey fame as a politician and business man and financier; long-time Republican, best money-raiser on the National Committee.

**Secretary of Labor:** Martin P. Durkin of Illinois; World War I, business representative of Steamfitters Local Union, Chicago 1921-33; headed Illinois state labor department under Governors Horner, Stell, Dwight Green, total of 8 years; returned to union, became national secretary-treasurer in 1941, national president in 1943, resigned to accept Cabinet post. His union is AFL, he is a Democrat.

Foregoing, with Secretary Benson of Agriculture, compose the official Cabinet of President Eisenhower. However, the President can add to his Cabinet at will. Mrs. Oveta Culp Hobby, named Federal Security Administrator, is regarded as a member of the Eisenhower Cabinet, but without Congressional action. Undoubtedly an attempt will be made to make FSA a Department.

She was director Women's Army Auxiliary Corps, 1942-43; director, Women's Army Corps, 1943-45, rank Colonel. She has a long list of citations; several LLD. degrees. She was married to former Gov. William Pettus Hobby of Texas in 1931. They have 2 children.

Another major appointment—but without formal Cabinet status—is former Gov. Harold E. Stassen of Minnesota, a quadrennial candidate for the Republican presidential nomination. He has been made director for Mutual Security. He was governor from 1938 to 1943; served on Admiral "Bull" Halsey's staff in the Pacific, was a Republican delegate at San Francisco conference which wrote the United Nations Charter; resigned as President of the University of Pennsylvania to become MS Director.

Clarence M. Ferguson, Columbus, O., head of the Ohio Agricultural Extension Service, has been named director of the Agriculture Department's Federal Extension Service.

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BREAKS UP  
CHEST  
COLDS'**

**CONGESTION in nose,  
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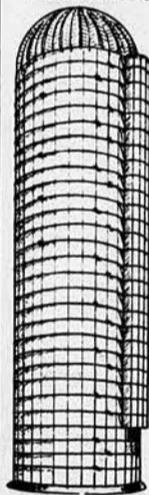


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This Little Giant Hydro Hoist weighs only 65 pounds and can be used to lift over a ton load. It has 1,000 uses around the farm like carrying and unreeling woven or barbed wire, lifting heavy field machinery onto racks or across roadway, laying heavy drain tile, pulling posts, etc. Fits over the hydraulic lift bar of all Allis-Chalmers WD tractors, 1948 on.

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# Classified Advertising Department

## ● BABY CHICKS

**Hy-Line Hybrid Chicks.** Hy-Lines cut feed costs per case of eggs laid; and average more eggs per bird housed than other chickens. 55 farmers conducted feed tests between Hy-Lines and other chickens. These farmers reported: Hy-Lines cut feed costs \$1.67 to \$2.63 per case of eggs laid. Hy-Lines ate 37 pounds less feed per case of eggs than Leghorns; 58 pounds less than heavy breeds. 417 farmers conducted direct flock tests. Hy-Lines vs. standard breeds and crosses. These farmers reported: Hy-Lines averaged 4,090 extra eggs per 100 birds housed. On this basis, 100 Hy-Lines averaged as many eggs as 127 other chickens. Send for complete details about these on-the-farm tests. Free catalog. Write today. J. O. Coombs & Son, Box 6, Sedgwick, Kan.

**Check Sale—**Senational values. Best AAA Quality. Lay-Better chicks with up to 352-egg bloodlines. Pullorum tested to zero reaction. Official test showed 98% livability. Customers report 90% egg production during January. U. S. Approved Pullorum Passed. White Rocks, New Hampshire, White Wyandottes, Production Reds, \$8.90. Pullets, \$14.90. Cockerels, \$7.95. White Leghorns, \$8.90. Pullets, \$13.60. Cockerels, \$2.50. Heavy mix, \$7.95. Mixed cockerels, \$5.95. Give second choice. Live delivery. Free catalog. Fulton Hatchery, Box 6-E, Fulton, Mo.

**Rocks, Reds, Hampshires, Wyandottes, \$8.95;** pullets, \$12.85. Leghorns, Austra-Whites, Minorcas, \$8.95; pullets, \$14.95; heavies assorted, \$6.80; leftovers, \$5.85. Surplus, \$3.80. FOB. Alive. COD. Catalog. Bush Hatchery, Clinton, Mo.

**White, Barred Rocks, Hampshires, \$8.75;** pullets \$12.80. Leghorns, Austra-Whites \$8.95. Pullets \$13.15. Hybrid cockerels \$5.55; Assorted Heavies \$6.80; Surplus \$3.85. Catalog. Hi-Grade Chicks, Deepwater, Mo.

**Baby Chicks—**\$3.90 and up per hundred. We have high quality chicks at reasonable prices. Write for your free 1953 chick folder and prices. U. S. approved, bloodtested, Pullorum passed, 100% guaranteed. Archie Hatchery, Archie, Mo.

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

**Best Quality AAA and AAAA Chicks.** 100% pullorum tested. New Hampshire, White Rocks, Barred Rocks, Austra-Whites, White Leghorns, \$9.95 per 100. Heavy pullets, \$14.95. Heavy cocks, \$7.90. White Leghorn and Austra-White pullets, \$18.95. Hybrid Cockerels, \$3.95. Leftovers, \$2.95. Mixed cockerels, \$1.90. 100% alive. Free catalog. Pleasant View Hatchery, Gerald, Mo.

**26 Varieties popular and fancy chicks.** Anconas, Australorps, Giants, Minorcas, Wyandottes, Cornish, Orpingtons, Leghorns, Reds, Rocks, Hampshires, 8 master crosses including Austra Whites and Cornish crosses. Turkey poults. Free description and prices. Stillwater Hatchery, Dept. K, Stillwater, Okla.

**DeForest BlueBlood Chicks,** broiler and egg breeds. Hatching year around. Broadbreasted Bronze Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

**Better Bred Chicks.** White Rocks, Barred Rocks, New Hampshire Reds, Production Reds, Hamp-Whites, Austra-Whites, White Leghorns, Buff Leghorns, AAA \$9.95, Super-Lay \$11.75, Assorted \$9.25, Leftovers \$3.95. Live delivery guaranteed. St. Clair Hatchery, St. Clair, Mo.

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HIGHER LIVABILITY AND YIELD  
Write for this guarantee. The difference in CASH EGG CROP is the result that counts. Our AAAA pedigree breeding makes that difference. Read the details. Then decide.

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Tells all about our FINEST BABY CHICKS and started chicks raised on non-sexed blood. Turkey, mature fowls and hatching eggs. Rush postal for FREE BOOK AND PENCIL.

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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 breed fleasheers. Early savings now. Circular free.

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Pilgrims, Breeders, Goslings, Eggs. W. G. Schwalge, Lake Zurich, Ill.

Geese, Embdens, Eggs 50c each. Postpaid. Goslings after April 1. Frank Wells, Centerville, Mo.

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Pheasants, bantams, geese, ducks. Thirty varieties pigeons. John Hass, Bettendorf, Ia.

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**OUTDOOR TOILETS**  
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CLEANED and DEODORIZED  
SAVE DIGGING, PUMPING, MOVING

Just mix amazing DRY POWDER with water and pour into toilet. Doubles waste-digesting action! Reduces mass, unclogs drain fields, eliminates obnoxious odors overnight. Safe, easy, inexpensive to use. Over 150,000 satisfied customers the world over. Results guaranteed.

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**Corrugated Roofing, sq. . . . . 9.45**  
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Free information about the Ozarks. Good homes, low taxes. Owensby, Buffalo, Mo.

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3 1/4 Acres, Six Unit completely furnished apartment house amid own orange grove. Thirty varieties fruits, pick fresh every day of year. Patio barbecue grill, six garages. Beautifully landscaped. Many rare exotic shade trees, shrubbery, palms. Lovely home, plus income. Healthful climate, no extremes. \$38,000.00, third cash, balance easy terms. Owner, 424 Sunnyside Avenue, Redlands, Calif.

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One-way and Disc Grinder. Can be used in the shop, yard or while machine is disking in the field. No dismantling. Cheap, simple and easy to operate. Write for circular. Hyatt Mfg. Co., Kimball, Nebr.

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**Tractor Parts at Wholesale Prices!** Free 116-page tractor parts Blue Book. Lists thousands of parts for most makes and models of tractors and implements. Special savings on accessories, farm equipments, tools. All merchandise brand new, fully guaranteed. Farm stores, Wichita, Salina. For free catalog, send postcard to Tractor Supply Co., 2692 North Halstead, Chicago 14. Limited quantity available. Write today!

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**Onion Plants —** Choice Select Yellow or White Sweet Spanish, Yellow or White Bermudas, 300 —\$1.35; 500—\$1.85; 1,000—\$2.95; 3,000—\$5.50; postpaid; 6,000 (crate)—\$8.50, prepaid. Austin Plant Company, Box 313, Austin, Tex.

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**For Sale—**Bright, heavy, Kanota oats, high germination, \$1.40 bushel. E. D. Hershberger & Sons, Newton, Kan. Phone Newton 1996W.

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12 Jumbos, 25c; 16 Jumbos, 35c; from any size roll or negatives, with this ad. Skrudland I, Lake Geneva, Wisc.

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**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 blifold pictures. 55c.

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

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Look, Expert Finishing Costs No More. 8 exp. (under 16) developed and enlarged 50c. 25 mm. 35 exp. developed and 3 1/2 x 5 prints \$1.75. Mail film before February 20 and received personalized calendar free. Forrest Buffington, P. O. Box 608D, Chula Vista, Calif.

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**Young Parrots—**Make fine talkers. Intelligent pets. Herb Miller, 1911-N, Lubbock, Tex.

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**Genuine English Shepherd Puppies.** Guaranteed heelers, watchdogs. Year's trial, Russell Wahl, Rockport, Ind.

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**● CHINCHILLAS**  
**Bred Pairs Registered Chinchillas** (not rabbits) sale or lease. deBettencourt, New Canton, Va.

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**HONEY WILDFLOWER \$9.90**  
(Dark) 60-lb. Can FOB

Extracted—Pure as bees can make it.  
60-lb. Can Clover, FOB. . . . . \$12.00  
12-lb. Can Clover (Postpaid to 600 mi.) . . . 3.85  
12-lb. Can Mixed (Postpaid to 600 mi.) . . . 3.50

Order Promptly Supply Limited  
HAIN APPIARIES, 1715 Lane St., Topeka, Kan.

Tree Ripened Oranges direct from the grower—bushels (55 lbs.) \$5.21. Mixed bushels oranges and grapefruit, \$5.21. Bushels half oranges half tangerines, \$5.56. Sweet and full of juice. Picked fresh and rushed to you same day via fast Railway Express prepaid anywhere in Kansas. Wm. C. Smith, Box 55, Deland, Fla.

**● BEES AND SUPPLIES**  
**FOR SALE**  
**214 Colonies Honeybees for POLLINATION AND HONEY**  
Strictly High Grade Apilary.  
60 to 70 Pounds Honey Per Colony.  
1952 Queens, No Disease, Painted.

**HEALTH CERTIFICATE**  
It is an established fact that honeybees can trouble and quadruple your lemon seed crops. I invite inquiry and inspection.

**VISITORS WELCOME**  
**BRYAN R. SMITH**  
R. F. D. No. 2, Box 96, Liberty, Missouri

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

**● WANTED TO BUY**  
Seed Wanted—Atlas Sorgo, Cane, Alfalfa and Brome. Please submit samples immediately for bid. F. A. Mangelsdorf Seed Company, Atchison, Kan.

**Wanted: Horse Hair, Tall and Mane.** Beeswax. Write for prices, shipping tags. Sturges Co., 2630 "N" St., Omaha, Nebr.

**Wanted: Fox Terrier Puppies.** Box R, Stafford, Kan.

**● AGENTS AND SALESMEN**  
"We Sell Rain"—2 inches on 16 acres in ten hours. Wheel movement over terraces. Free Logging—Meals—Engineering—and Appointments. Farmer group meeting with samples and moving pictures. Not undersold. Price and quality. Dealers wanted. Factory representatives. Also jobbers for grease master. Conrad's, Gaylord, Kan.

**● PATENTS AND INVENTIONS**  
A. H. Sturges, 317 Sunderland Bldg., Omaha, Neb. Registered Patent Attorney, U. S. Patent Office. Procedure information, evidence of invention form and patent book sent on request.

## Kansas Jacks to South America

Kansas-bred jacks are in demand for production of mules in South America. Leaving by plane recently from Garden City for Colombia were 17 jacks from George E. Hineman ranch. They were sold to Dr. Jose A. Serrano P., minister of agriculture for Colombia. Two representatives recently visited the Hineman ranch to look over the animals.

Mr. Hineman recently sold 10 jacks to the agriculture department of Venezuela. They were trucked to Houston, Tex., then sent by ship to Caracas, Venezuela.

## Seed Dealers Elect

President of Kansas Seed Dealers' association named at a meeting January 10, at Wichita, is J. D. Bowman, Concordia. Others elected: Manley Casement, Sedan, first vice-president; O. E. Case, Hutchinson, re-elected executive secretary-treasurer; Ross McCausland, Wichita, retiring president, elected to board of directors; T. H. Ewing, Lyons, retiring second vice-president, elected to board of directors.

## New Recreation Specialist

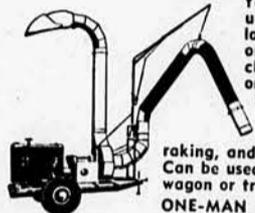
New recreation specialist for Kansas State College Extension service is Shirley Bessey, former 4-H Club agent in Maine. Her Extension background includes 11 years of club membership and 6 years as a county Extension agent. She is a graduate of Colby College, Waterville, Maine, and has attended the University of Wisconsin. In her new Kansas position, Miss Bessey succeeds Virginia Lee Green.

**The MOST POWERFUL PISTONS You Can Install!**  
**add POW'R**  
**PISTONS**  
 for Farmall, Allis-Chalmers and Case tractors.

For complete information and prices write Dept. 2788.  
**M & W GEAR CO., INC.**  
 ANCHOR, ILLINOIS

**VACUUM BLOWER**

If you own a forage harvester . . . You need a Peick Vacuum Blower, an unloading device for anyone who owns a field-chopper, for hay, wet or dry, and for corn silage. Eliminate pump systems, shoveling, raking, and choked feed tables. Can be used with ordinary farm wagon or truck. ONE-MAN OPERATION—JUST DRIVE UNDER TUBE AND UNLOAD. Write for details.



**KUCKLEMAN IMPLEMENT CO.**  
 SENECA, KANSAS

**POST HOLE DIGGER**

The modern "Rapidigger" for Ford, Ferguson tractors. One man hydraulic control. No gears, drive shaft. Time saved pays for this low cost digger. Guaranteed performer. Write for FREE folder. **RAPIDIGGER, 4605 Lowell, Lincoln, Nebr.**

**Peerless ROLLER MILLS EAR CORN ATTACHMENT**  
 Crumbles Ear Corn! Crimps or Cracks All Small Grains! Avoids Dust!  
 Ear Corn Attachment now available for feeder-size mills. 15 models of Farm Feeder and Mill-size Roller Mills—Portable and Stationary. Write today for free literature. **PEERLESS JOPLIN, MISSOURI Dept. 107**

**Housework Easy Without Nagging Backache**

Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages. Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

**Why Pay More?**  
 Lift and Pull Type  
**Kirlin Listed Corn Cultivator**  
 We have Ford-Ferguson Lift-Type Complete Plows. Write for circular and prices.  
**FORGY PLOW COMPANY**  
 Centralia, Kansas

**LITTLE ADS BRING BIG RESULTS**  
 in Kansas Farmer — Classified Department. Only 10c a word, per issue — 12 words minimum.

**Set Up New Farm Marketing Program**

A new farm marketing information program for businessmen has been set up. Aim of the program is to aid men who wish to sell farm products, equipment and supplies to farm families. American Marketing Association and the Agricultural Publishers Association are responsible for planning and starting the program. A common clearing point will be created for everyone interested in selling farm products and those who supply the farmer with goods and services. Another function of the program will be to co-ordinate and evaluate the vast amount of research and study which assists movements of these goods and services.

**Reporters Enter State 4-H Contest**

Here is first list of 4-H Club news reporters who have written *Kansas Farmer* for information on 1953 State 4-H Reporters contest. We've mailed each one our "Suggestion Sheets" of stories to prepare.  
 Larry Dean Felbush, R. 3, Abilene;

**TREND OF THE MARKETS**

Please remember that prices given here are Kansas City tops for best quality offered:

	Week Ago	Month Ago	Year Ago
Fed Steers	\$27.00	\$30.00	\$36.00
Hogs	19.25	19.00	18.00
Lambs	21.50	23.00	28.00
Hens, 4 to 5 lbs.	.25	.24	.27
Eggs, Standards	.41	.42	.33
Butterfat, No. 1	.58	.60	.82
Wheat, No. 2, Hard	2.41 1/4	2.45 1/4	2.55
Corn, No. 2, Yellow	1.59	1.63 1/4	2.01 1/4
Oats, No. 2, White	.97	.96	1.11
Barley, No. 2	1.50	1.51	1.56
Alfalfa, No. 1	45.00	45.00	44.00
Prairie, No. 1	38.00		29.00

James Ochampaugh, Stockton; Sharon Crissman, St. John; Connie Clary, St. George; Merridith Elaine Fundis, LeRoy; Rhonda Johnson, R. 3, Larned; Nancy Booth, Cambridge; Mary Jo Kidd, Fredonia; Clark Bair, R. 2, Goodland; George F. Mouhead, Chanute; Leslie Fleming, Meriden.

Any 4-H Club reporter in Kansas is welcome to enter the contest, of which *Kansas Farmer* is sponsor. Qualifications for entrants and prizes to be awarded were given in January 17, 1952, issue.

**Sign Truck Pact**

Kansas has signed another reciprocity agreement on interstate truck transportation — this time with Alabama. The 2 states now may operate in both areas with only their home-state

license tags, altho they still must pay a \$10 identification fee and ton-mileage taxes in the state visited.

The agreement is the 9th since the Kansas Motor Vehicle Reciprocity Commission was created by the 1951 state legislature.

**Cite Clifford Hope With 4-H Plaque**

Rep. Clifford R. Hope, Congressman from Fifth Kansas District, is one of several national farm leaders who have been honored by the National 4-H Club Foundation. He was presented a Distinguished Service Plaque at the annual Finney county 4-H achievement party at Garden City, November 18. He was honored for his support of the 4-H program nationwide.

**HERD BULLS — RANGE BULLS FARM BULLS**  
 at the  
**ROUND-UP HEREFORD SALE**  
**Kansas City, Mo. — Feb. 23 & 24**  
**700 Head**  
**650 Bulls — 50 Females**  
 Here is the bargain sale for everyone. Bloodlines and prices to suit your choice. There are always bargains at the Round-Up.  
 Write for your catalog  
**AMERICAN HEREFORD ASSOCIATION**  
 300 West 11th Street Kansas City, Missouri

**Production Sale of Borwege-Korb Herefords**  
**Grand Island, Nebraska — February 13, 1953**  
**Selling 90 Head — Borwege Selling 20 Bulls—25 Females**  
**Korb Selling 21 Bulls—24 Females**



**CK PUBLICAN 46**  
 A Service Sire Champion—Chadron, 1952



Pictured is a get-of-sire group by NB Royal Duke, which won first place honors at the Sunflower Futurity, NCK Free Fair, and second place at the Chadron Show.

Sires represented are: NB Royal Duke, RS Princeps 9th, WHR Helmsman 107, BHR Resolute 1 (first-prize summer yearling at the Chadron Show), CK Publican 46, (champion at Chadron, second at Fort Worth, 1952, pictured), BTO Pioneer 2 (second high-selling bull in 1947 Domino Lad C 14 Sale).

Our show herd has been very successful this past show season, which includes a champion female at the Sunflower Futurity, and NCK Free Fair, and reserve champion at the Chadron Show. First place winners include a pair of heifers at the Sunflower Futurity and a first place junior heifer calf. Our winnings at the recent Denver Show are as follows: In the sale class: first and third summer heifers, first and fourth junior heifer calves, third summer bull calf. In the open show: We won second place junior heifer calf, eighth and eleventh summer heifer calf, fourth on junior get, seventh on pair of females, ninth on pair of calves. All sired by NB Royal Duke. His first two bull calves sold has averaged \$3,500.00 per head. This is a wonderful offering of bulls and heifers that will make replacement cows. Probably one of the best offerings sold this year. Many of the heifers bred.

WRITE FOR CATALOG:

**BORWEGE HEREFORDS**  
 Mr. and Mrs. Norbert Borwege, Owners  
**Roseland, Nebraska**

**BK HEREFORD FARMS**  
 Mr. and Mrs. Boyd Korb, Owners  
**Burr Oak, Kansas**

Sale Manager: R. Clare Clement

Thompson & Corkle, Auctioneers

**Beef CATTLE**



**REG. HEREFORDS**  
Big rugged bulls for sale, 21-23 months old. Sired by Jupiter Blueblood 3rd and Bardom Mixer 14th. Both sires stood first in class at American Hereford Association Roundup Show and Sale. 25 open heifers of same breeding for sale.  
**ARTHUR ATTWOOD, Silver Lake, Kan.**

**Reg. Hereford Bulls**

Mr. Ranchman! Could you use a pen of 3 or 4 ready-for-service Bulls NOW or for spring delivery? Write for details or COME.  
**GOEMANN BROS., Sharon, Kan.**

**Polled Hereford Bulls**

6 to 24 months old  
Sired by ALF Choice Domino 75. Also a 5-year-old herd bull PVF Advance Triple W.  
**RAYL & COOK**  
Kingman, Kansas

**REG. HEREFORD BULLS**

10 to 18 months old. Sired by: OJR Jupiter Star 2th, Domino Lad KTO 11th and F. Elation 22. Good range and herd bull prospects.  
**WAITE BROS., Winfield, Kansas**

**REG. HEREFORD HERD BULL**

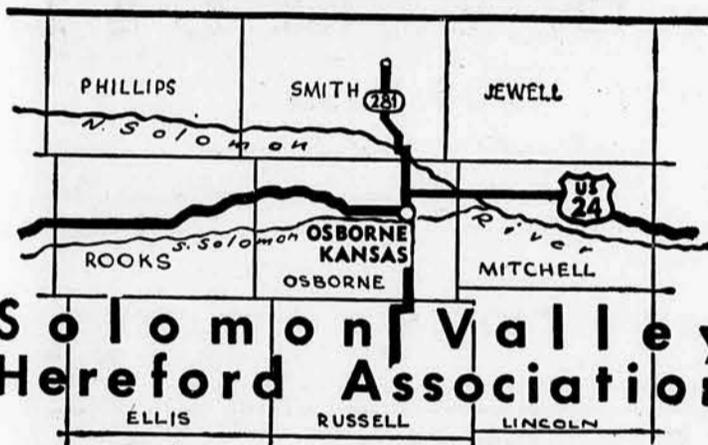


Coming 6 years old. Good breeder, excellent conformation. Domino breeding. Also 2 registered yearling bulls.  
**J. and K. Erickson, Olsburg, Ks.**  
2 miles south and 3 1/2 miles east of Cleburne.

**Offering for Sale My Registered POLLED HEREFORD SIRE**

**SILVERTONE W. 52ND**  
This bull is a double bred Worthmore Beau Jr. 2nd on the sire side and double bred Prince Bullion 1st on his dams side. Calved October 21, 1950.  
**CARL DOWNING, Belle Plaine, Kansas**  
Farm 4 miles east and 2 miles south of Belle Plaine, Kansas

**Solomon Valley Hereford Association Sale**



**Solomon Valley Hereford Association**

**February 16, 1953**

SALE PAVILION

**OSBORNE, KANSAS**

**36 BULLS — 33 FEMALES**

Most of the bulls are of serviceable age. Many of the females are bred or old enough to breed.

The cattle will be shown at 9:30 A. M. for selling order.

Frank Wilson of CK Ranch will judge.

**SALE AT 12:30**

The cattle are consigned from the following breeders.

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| GLEN ADEE, Phillipsburg             | WALTER L. HADLEY, Portis           |
| E. E. BRATTON, Luray                | JANSONIUS BROTHERS, Prairie View   |
| J. HAROLD CARSWELL, Alton           | WALTER J. JOHNSON, Gaylord         |
| JAY L. CARSWELL & SONS, Alton       | KENNETH KASER, Osborne             |
| VERNE E. CLAUSSEN, Dorrance         | WAYNE KASER, Osborne               |
| OLLIE D. CONRAD, Harlan             | LOCKHART HEREFORD FARM, Osborne    |
| EVERETT L. COOLEY, Alton            | ARMIN METLER, Lucas                |
| PAUL DAHL, Webber                   | ARTHUR RADKE, Galatia              |
| JOSEPH T. DAUBER & SON, Bunker Hill | ELMER REBENSTORF, Sylvan Grove     |
| GENE DEBEY, Cawker City             | SCHNEIDER HEREFORD RANCH, Stockton |
| ALVIN J. DORTLAND, Gorham           | SMITH BROTHERS, Kensington         |
| JOS. M. DORTLAND, Gorham            | SUTOR HEREFORD FARMS, Zurich       |
| EDWIN GOLDBLASE, Sylvan Grove       | JOHN C. VETTER & SON, Beloit       |
| PAUL HADLEY, Fortis                 |                                    |

For catalog and hotel reservations write or call

**J. HAROLD CARSWELL, Sale Mgr., Alton, Kan.**

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

**Buy MISSOURI SHORTHORN On TUES., MARCH 3**

51 HEAD WILL SELL AT

**CHILlicothe, MISSOURI**

Chillicothe is on highway 36—70 miles east of St. Joseph, Mo.  
**SELLING 31 BULLS AND 20 FEMALES**  
They have been selected from 22 Missouri herds. This offering gives prospective buyers a wide selection of bloodlines. Bulls of service age and younger are selling. Bred and open heifers, bred cows and cows with calves will sell.

For sale catalog write to

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

This Sale Sponsored by the  
**MISSOURI SHORTHORN BREEDERS' ASSN.**  
Auctioneer: C. D. Swaffer Bert Powell with this publication.

**Marshall County Hereford Breeders**  
**ANNUAL SPRING SALE**  
**Mon., March 2, 1953**  
**Marysville, Kansas**

At A. L. Breeding's modern, heated sales pavilion, one-half mile west of Marysville on U. S. Highways No. 36 and 77.

Sale Starting Promptly at 12:30 P. M.

**33 Bulls — 22 Females**



Offering Top Quality Bloodlines from the Following Consignors

- |                                |                                  |
|--------------------------------|----------------------------------|
| JOS. BORNHORST, Marysville     | ELMER PETERSON & SON, Marysville |
| DON BREEDING, Herkimer         | JOS. F. SEDLACEK, Frankfort      |
| WALDEMAR HANKE, Waterville     | EDW. J. SEDLACEK, Marysville     |
| DR. C. M. NEWMAN & SON, Axtell | HENRY SEDLACEK & SON, Marysville |
| FRED OSTERKAMP, Waterville     | HAROLD STUMP, Blue Rapids        |

All of the bulls are of serviceable age. The females include open and bred heifers. These make up a good lot of Herefords of desirable ages, breeding and individuality.

FOR CATALOG WRITE

**ELMER E. PETERSON, Sec., Marysville, Kansas**  
Freddie Chandler, Auctioneer  
Don Breeding, President  
C. E. Leinweber, Vice-Pres.

**MARSHALL COUNTY HEREFORD ASSOCIATION**

Mike Wilson for Kansas Farmer

**THE THIRD ANNUAL**  
**Central Kansas Polled Hereford**  
**Association Show and Sale**

Will be held at the fairgrounds in

**Herington, Kan., Fri., Feb. 20, 1953**

Herington is located on the Rock Island and Missouri Pacific railroads and on Highways U. S. 77, U. S. 50N, K 10, K 4, also has a good airport a few blocks from fairgrounds.

**Selling and Showing Over 60 Head**  
**Of Choice Bulls and Females**

Featuring the top bloodlines of the Midwest. Some good 4-H project heifers will be sold.



**CONSIGNORS**

- |                            |                                 |
|----------------------------|---------------------------------|
| CLARENCE BROOKS, Wayside   | JESSE RIFFEL & SONS, Enterprise |
| ALLEN ENGLER, Topeka       | ELMER RIFFEL & SON, Hope        |
| LEO EBEL, Wamego           | GEO. RIFFEL & SON, Hope         |
| HAROLD GINGRASS, Sedgwick  | O. J. SHIELDS, Lost Springs     |
| ROSS HANSEN, Marion        | ARNOLD WITTORFF, Inman          |
| OLIVER KLEIN, Clay Center  | ARTHUR WITTORFF & SONS, Inman   |
| LESTER KOLTERMAN, Onaga    | FRANK WITTORFF & SON, Inman     |
| EDWIN LANKARD, Harris      | W. R. ZIMMERMAN, Alta Vista     |
| WM. LONGHOFER, Enterprise  | ROBT. L. ZIMMERMAN, Alta Vista  |
| CECIL MEDLEY & SONS, Tampa |                                 |

Show Will Begin at 9:00 A. M. — Sale at 1:00 P. M.

A banquet will be served at 7 P. M. Thursday evening for Hereford breeders, their families and friends.

For catalogs, information, hotel or banquet reservations write to  
**O. J. SHIELDS, Secretary, Lost Springs, Kan.**

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

**See Our Consignment to the**  
**Central Kansas Polled Hereford Sale**

AT

**Herington, Kansas, February 20th**

We are consigning 4 bulls that are extra good. Well bred and will be herd improvers. Also 1 top open heifer, she is a senior calf and a good show prospect. We now have at the farm a number of serviceable-age bulls.

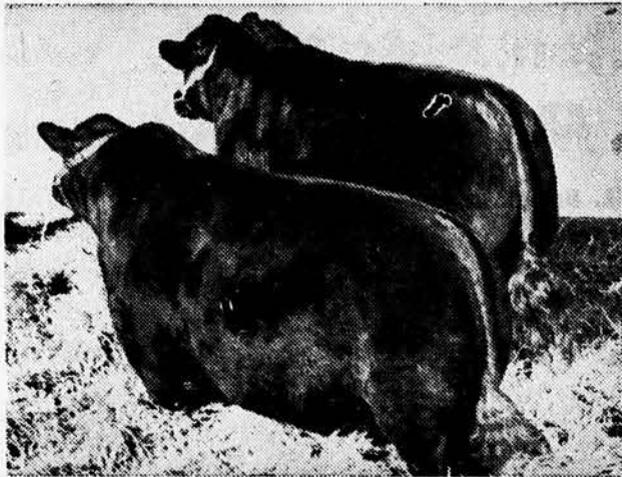
**PLAIN VIEW FARMS**

JESSE RIFFEL & SONS, Enterprise, Kansas



KANSAS STATE UNIVERSITY LIBRARY

You Can't Afford to Miss  
**STEPHENS ANGUS SALE**  
 Monday, February 16, at Chillicothe, Missouri  
 12:30 P. M. — Campbells Sale Pavilion



ERIC BANDOLIER 18TH, a son of Prince Eric and Eric Bandolier 29th.

**22 BULLS — 44 FEMALES**

The Bulls are of outstanding quality. All half brothers being sired by Eric Bandolier 18th. Females will be bred heifers and open heifers with the bred heifers carrying the services of the 18th and most of the open heifers being sired by the 18th. Families are Blackcap, Queen Mother, Ericas, Miss Burgess, Witch of Endor, Hartley Eline and others.

Billy Harris, Tina, Mo., will offer 3 outstanding Bulls sired by the 18th.

Write at once for catalog to HARRY STEPHENS & SON, Hale, Mo.

Auctioneers: Ray Sims and Roy Johnston Mark Dempsey with Kansas Farmer

S. P. MILLER ESTATE DISPERSAL OF

**ABERDEEN-ANGUS CATTLE**

Sale at farm 4 miles west and 4 miles north of

**WINDSOR, MO.**

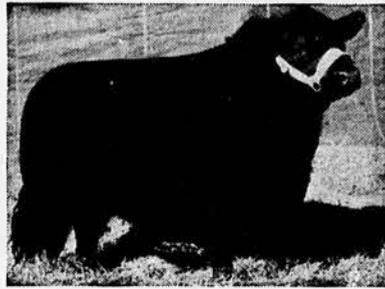
(80 miles southeast of Kansas City.)

The Date Is

**FEB. 18 (Wed.)**

**90 HEAD SELL**

38 COWS (13 with calves at side)  
 9 BULLS — 30 HEIFERS of which 9 are 3 year olds; 13 calved in 1951 and 8 in 1952.



PRINCE ERIC OF SUNBEAM

Note—38 of our producing females are granddaughters of the well known General of Lonejac. The younger females are granddaughters of nationally known sires.

**HERD BULL SELLING:** Black Prince of Mahrappo 1241616, his sire is Prince Sunbeam 100th by Black Prince of Sunbeam. His dam is a daughter of Prince Sunbeam 200th by Black Prince of Sunbeam. Prince Sunbeam 100th is nationally famous. Selling many good calves by Black Prince of Mahrappo.

**HERD BULLS FOR REFERENCE:** Prince Sunbeam 426th, a son of Prince Sunbeam 29th, another nationally known sire has been used in this herd. Two sons and several outstanding daughters of Prince Sunbeam 304th are selling.

**THEY SELL IN PASTURE CONDITION:** The Millers have not had time to fit these registered Angus and they come to you in just good breeding condition. They are of the most popular breeding. These Angus will not sell high. Come to the sale. We are sure you will be interested.

Write for sale catalog to

**The S. P. Miller Estate, Windsor, Missouri**

Auctioneer: Ray Sims, Belton, Mo. Mark Dempsey with Kansas Farmer

**HERD REDUCTION SALE REGISTERED ABERDEEN-ANGUS CATTLE**

**40 — HEAD — 40**

To be held in heated sale pavilion 1/2 mile east of

**HOLTON, KANSAS**

on Highway 116

**FEBRUARY 10, 1953**

Angus Sale to start at 1:00 P. M.  
 BULLS, COWS, BRED HEIFERS, OPEN HEIFERS  
 Bandollers, Revolutions, Blackcaps, Elbas, Sunbeam  
 Cattle can be inspected at farm 1/2 mile north of Holton on Highway 75, prior to date of sale.

**WARREN BOTTENBERG, Holton, Kansas**

Telephone Office 13 — Res. 472  
 Auctioneers: Mike Wilson and Wes Harris



**ANNUAL BULL SALE, February 23**

Making up this great offering will be 75 of the associations greatest bulls. They were selected from over 400. Sale will be held midway between Peoria and Bloomington, Ill., on Route 150. Write for free catalog.

**Central Illinois Angus Breeders Association**  
 CONGERVILLE, ILLINOIS

**REGISTERED ANGUS**

Now offering bulls 10 to 18 months.  
 CHESTNUT & RAILSBACK, Quinter, Kansas

For Sale: Good Registered  
**SHORTHORN BULLS**

Two herd sires, Haigler Chief Consul, 5 years old, and Lord Ben Jr. Friam, a Ben Siuder bred bull, of May, 1951. Some sons of Perfect Monitor 2nd, up to 19 months old. 23 extra good steers.

BOWEN BROS., Hoxie, Kansas  
 6 miles south on Hy. 23, then 2 1/2 west.

**POLLED SHORTHORNS**

Established — 1907  
 Banburys over 150 in herd. Cherry Hill—Oakwood—Coronet blood. None better. For sale: One choice young sire. Club calves, bulls and females. Some of all ages. Including the show herd. No public sale. Prices reduced. You can save \$25 to \$100.

**BANBURY & SONS**

Plevna, Kansas  
 9 miles southwest of Hutchinson, then west 14 miles on blacktop.



**In the Field**

**MIKE WILSON**  
 TOPEKA, KANSAS  
 Livestock Editor

Word comes from HARTLEY FARMS, Baxter Springs, that they have recently purchased the entire registered Shorthorn herd of the late CLAUDE MATTIX, Girard. The herd consists of 39 females, 11 calves and a bull; also the Mattix herd sire "Mercury's Command," who is a half-brother to the bull that William Thorne, Lancaster, recently sold for \$10,000. The Mattix Shorthorn herd was established many years ago and should make a worthy addition to the Hartley Farm herd. Hartley Farms are owned and operated by M. R. and R. F. Hartley, Baxter Springs. The Hartleys are planning a spring production sale.

Recent sale of Southdown and Shropshire sheep at VALLEY VIEW RANCH, sponsored by HAROLD TONN and W. H. FISHBURN & SON, Haven, was well attended. Bidding was brisk and prices received were satisfactory. Harold Tonn sold the top-selling Southdown, at \$105, to Lionel Chambers, Wichita. Wayne Worthington, Burton, bought the top-selling Shropshire from the O. W. Fishburn & Son consignment. Local demand was good and this was the 2nd annual bred ewe sale at Harold Tonn's Valley View Ranch. Harold Tonn was auctioneer.

According to a report received from T. Donald Bell, manager of the KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION, their annual sale in Hutchinson drew a very bad day. Snow and icy roads kept many buyers away. However, a top of \$120 was made on the consignment of H. E. Thallman & Son, Haven. Irwin Cooper, Haven, was buyer. Condition and quality of the offering was very good. Around 150 attended. Harold Tonn was auctioneer. Ewes were placed in selling order by Oscar Winchester, of Oklahoma.

On January 19, MR. & MRS. HARVEY BUEHLER, Mayetta, dispersed their herd of registered Guernsey cattle at the sale barn, 1/2 mile east of Holton. The sale barn was filled to capacity, and cattle were distributed in 3 states—Nebraska, Iowa and Kansas. Roberts Dairy, Elkhorn, Nebr., purchased the top-selling cow, at \$510. They were also the heaviest buyers in the sale, taking 5 head. Numerous breeders and farmers in the territory made selections to add to their herds. Many of the cows were in production. Baby heifer calves sold from \$120 down. Mike Wilson sold the offering, assisted by Col. Wes Harris.

WILLOW CREEK HEREFORD FARM of Canton, sold 58 head of cattle on January 14 for a general average of \$295. Entire offering totaled \$17,125. Twenty-two bulls sold for an average of \$388 while 36 females averaged \$238. Top bull was Lot 2, BWF Prince Tone 14th, sold at \$800 to Glenn Burton, Paxton, Nebr. Top female was Lot 57, Princess Mischief 34th, with heifer calf at side by Larry Domino M 3rd, and brought \$310 on the bid of H. E. Sleder, Salina. Gene Watson was auctioneer.

THE NORTHEAST KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION at their recent meeting at Hiawatha elected Wayne Ukena, Everest, secretary-sale manager. Ukena is owner and operator of Blackridge Stock Farm, located northwest of Everest. He is now working out plans for a spring sale to be sponsored by the association and will be held at Horton, at the Civic Center Building.

DALE KUBIN, McPherson, for the 2nd consecutive year, has qualified for the Progressive Breeders' Award, presented by the Holstein-Friesian Association of America. The honor is highest recognition bestowed upon a breeder of registered Holstein-Friesians. Mr. Kubin is one of 7 Kansans to be honored during history of the Association. A breeder must meet strict qualifications in all phases of dairy work. A certificate of award has been sent to Mr. Kubin, and a bronze year plate is to be added to the bronze plaque awarded previously.

LLOYD SHULTZ, Pretty Prairie, for 7th consecutive year, has qualified for the Progressive Breeders' Award, presented by the Holstein-Friesian Association of America. The award is highest honor bestowed upon a breeder of registered Holstein-Friesian dairy cattle. A breeder must meet strict requirements in all phases of dairy work. Mr. Shultz has received a certificate of this award. A bronze year plate has been presented to him to be added to the bronze plaque awarded when his herd first achieved the honor.

ARTHUR JENSEN, Olathe, is owner of Heersche Commander King, registered Holstein-Friesian bull, honored as a Silver Medal Type Sire by the Holstein-Friesian Association of America. This high award is based on the bull's ability to transmit to his daughters highly desirable characteristics of body conformation.

LEONARD H. HAZLETT & SON, Oak Hill, held their recent Hereford auction in Clay Center, January 10. Thirty-one head of Herefords were sold. Top bull was purchased by Paul Henry of Westmoreland, for \$355. Russ Tasker & Sons, of Minneapolis, purchased top female, for \$305. Bulls averaged \$232.50, while females averaged \$227. Ross Schaulis was auctioneer.

ST. JOSEPH'S ORPHAN HOME, Abilene, is owner of Browns Marks-master Posch, registered Holstein-Friesian bull recently named a Silver Medal Production Sire by the Holstein-Friesian Association of America. To attain this honor, at least 10 daughters of production-tested dams must have themselves been tested with records averaging at least 3.4 per cent test and 410 pounds of butterfat on a 2-milking, 305-day basis. Average records of daughters must exceed their production "expectancy" by 40 pounds of fat.

His 12 qualifying daughters producing an average of 502 pounds of butterfat on a twice-daily milking, 305-day basis, exceeded the production of their dams by 5 pounds of butterfat and averaged 3.7 per cent test.

The KANSAS ABERDEEN-ANGUS BREEDERS have recently acquired a secretary-manager for their association. Lester Ljungdahl, a native of Kansas, has returned from Wyoming, to take

a very active part in future development and progress of the Kansas Aberdeen-Angus Association. Les is a son of William Ljungdahl, a prominent breeder in the Angus Association, who formerly lived at Menlo. The Ljungdahls have owned and operated a large Angus ranch for number of years in western Kansas; this family has done much to promote the breed. Kansas Aberdeen-Angus breeders extend a welcome to Les, to be back working with and for them in the future.

**Public Sales of Livestock**

- Holstein Cattle**  
 March 23—Tulsa Spring Classic, State Fair grounds, Tulsa, Okla. Robert W. Adams, Sale Manager, 118 E. 5th St., Tulsa, Okla.
- Guernsey Cattle**  
 April 13—Missouri Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, Exchange National Bank Building.
- Aberdeen-Angus Cattle**  
 February 10—Warren Bottenberg Production Sale, Holton, Kan.  
 February 11, 1953—Chisholm Trail Angus Breeders' Association, Caldwell, Kan.  
 February 16—Harry Stephens & Son, Hale, Mo.  
 February 17—C. E. Reed's Tenth Annual Angus Production Sale, Wichita, Kan.  
 February 23—Central Illinois Breeders' Association, Congerville, Ill. Forrest W. Lemmon, Secretary.  
 March 26—U. S. Center Aberdeen-Angus Sale, Smith Center, Kan.  
 March 27—Kansas 487th Sale, Salina, Kan.  
 March 30, 1953—Kansas Special Registered Aberdeen-Angus Sale, Ericson, Thalmann & Hutchinson, Kan.  
 April 1—Southeast Kansas Aberdeen-Angus Breeders Association, Iola, Kan. Clarence Ericson, Savonburg, Kan.  
 April 9, 1953—Mid-Kansas Aberdeen-Angus Association, Hutchinson, Kan. Phil Sterling, Secretary, Canton, Kan.  
 April 16—Northeast Kansas Aberdeen-Angus Association, Horton, Kan. Wayne Ukena, Sale Manager, Everest, Kan.  
 May 4—Penney & James, Hamilton, Mo. J. McCorkle, Sale Manager, Suite 3500 A.L. Building, Columbus, O.
- Hereford Cattle**  
 February 7, 1953—Dickinson County Hereford Association, Abilene, Kan.  
 February 9—Kansas Range Bull Sale, Dodge City, Kan.  
 February 13—HG Hereford Farms, Colby, Kan.  
 February 13—Borwege & Korb Joint Sale, Grand Island, Nebr.  
 February 16—Solomon Valley, Osborne, Kan.  
 February 17—Oklahoma and Kansas Hereford Association Sale, Blackwell, Okla.  
 February 27—Sam Gibbs, Clay Center, Kan.  
 March 2—Marshall County Herefords, Marysville, Kan.  
 March 4—Kansas Great Plains Hereford Association, Horton, Kan. Bill Goddard, Sale Manager, Penokee, Kan.  
 March 13—Western Republican Hereford Association, St. Francis, Kan.  
 March 18—Morris County Association, Council Grove, Kan.  
 March 20—Sutor Hereford Farms, Palco, Kan.  
 March 24—Lincoln County Association, Sylvan Grove, Kan.  
 March 24—Doty Farm, Nelson, Mo. Donald Bowman, Sales Manager, Hamilton, Mo.  
 April 14—North Central Kansas Hereford Association, Belleville, Kan. George C. Wreath, Sale Manager, Belleville, Kan.  
 April 16—Duttlinger Brothers, Monument, Kan. and Homestead Ranch, Levant, Kan. Sale at Oakley, Kan.  
 April 18—Mid West Polled Hereford Association Show and Sale, Deshler, Nebr. Fred C. Dyer, Sale Manager, Deshler, Nebr.  
 April 25—Belden & Schuetz, Horton, Kan.  
 October 5—Beeks & Cleland, Baldwin, Kan.  
 October 29—Kansas Flint Hills Association, Cottonwood Falls, Kan.  
 November 4—Lincoln County Hereford Association, Sylvan Grove, Kan.  
 November 6—Cowley County Hereford Association, Arkansas City, Kan.  
 November 11—W. H. Tonn & Son, Haven, Kan.  
 December 4—South Central Hereford Association, Newton, Kan.
- Polled Hereford Cattle**  
 February 20—Central Kansas Polled Hereford Heriting, Kan.  
 March 10—O'Bryan Ranch, Hiattville, Kan.  
 March 23—Kansas Polled Hereford Association Bull Sale, Horton, Kan. Vic Roth, Secretary, Hays, Kan.  
 April 6—Real Plato Domino Polled Hereford Sale, Hays, Kan. Vic Roth, Sale Manager, Hays, Kan.  
 April 11—Darrel Hinkhouse Polled Hereford Sale, Kan. Sale at Plainville, Kan. Vic Roth, Sale Manager, Hays, Kan.  
 April 20—Paul & Gladys Molz Polled Hereford, Klowa, Kan.  
 April 21—Joe Maes Polled Herefords, Bushy Kan. Sale at Osborne, Kan. Vic Roth, Sale Manager, Hays, Kan.  
 May 20—Golden Willow Ranch, Liberal, Mo.
- Shorthorns and Polled Shorthorns**  
 April 7—Nebraska and Kansas Breeders' Association, Nebr. Mervin F. Aegerter, Sales Manager, Seward, Nebr.  
 April 15—Shorthorn and Polled Shorthorn Breeders Show and Sale, State Fairgrounds, Hutchinson, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
- Shorthorn Cattle**  
 March 3—Missouri Breeders Show and Sale, Chillicothe, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.  
 March 16—Hartley Farms, Baxter Springs, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.  
 April 10—Mid-Kansas Breeders' Association, Salina, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
- Beef Cattle—All Breeds**  
 February 10—Western Missouri Cattle Breeders' Association, Clinton, Mo. J. Robert, chairman sales committee, Box 311, Clinton, Mo.
- Spotted Poland China Hogs**  
 February 23—Kansas Spotted Poland China Association, Phillipsburg, Kan. H. E. Holliday, Secretary, Richland, Kan.
- Duroc Hogs**  
 February 7, 1953—Vern V. Albrecht, Smith Center, Kan.  
 February 28—Ness County Hog Breeders' Association, Ness City, Kan. Walter Rothe, Sale Manager, Ness City, Kan.
- Corriedale Sheep**  
 July 27-28—All-American Corriedale Breeders Show and Sale, Columbia, Mo. Rollo Singleton, Secretary-Manager, 105 Park Ave., Columbia, Mo.
- Sheep—All Breeds**  
 June 19-20—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, care State Department of Agriculture, Jefferson City, Mo.

**February 21**  
**Will Be Our Next Issue**  
 Ads for the Classified and Livestock Section must be in our hands by **Tuesday, February 10**  
 If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

**Dairy CATTLE**

**WISCONSIN DAIRY CATTLE**

Choice Holstein, Guernsey and Brown Swiss calves. Yearlings and Springing Heifers. Delivered to your farm C.O.D.  
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

**TWENTY GOOD, GRADE GUERNSEY HEIFERS**  
Bred for Spring Freshening

**BILL RANSOM**  
HOMEWOOD, KANSAS  
Phone: Williamsburg 2667

**HOLSTEIN BULL**  
2 Years Old

Dam was 3rd aged cow at Hutchinson State Fair 1949. Classified Very Good. Record at 7 years: milk 20,581, fat 777 test 3.8. Four lactations average milk 17,740, fat 667. Priced reasonable.

**Smoky Hill Holstein Farm**  
H. A. MEIER, Abilene, Kansas

**HOLSTEIN BULLS**

From calves to service age. From dams up to 827 lbs. fat with lifetime records up to 142,000 lbs. of milk. One service age from dam with over 700 lbs. in first 10 months on 2 X. Ours is Kansas' highest averaging herd. Last two years average over 800 lbs. on 2 X.

Write for information and prices.

**ERNEST A. REED & SON**  
Lyons, Kansas

**HOGS**

**Spotted Poland China BRED GILT SALE**  
Phillipsburg, Kansas  
February 23, 1953  
Show 10 A. M.—Sale 1 P. M.

"For Money in Lots Buy Kansas Spots"

**H. E. HOLLIDAY, Secretary**  
RICHLAND, KANSAS  
Kansas Spotted Poland China Assn.

**Ness County HOG BREEDERS SALE**  
Bred Gilts, Fall Boars, Fall Gilts  
Sale at Ness City Sale Barn  
Sat., Feb. 28, 1953  
at 1:00 P. M.

Berkshire, Spnd. Poland China, Durocs

For catalog write:  
**WALTER ROTHE, Sale Manager**  
NESS CITY, KANSAS

**REGISTERED SPOTTED POLAND CHINA BRED GILTS**  
To farrow in March

Top quality gilts, most of them bred to "Blender Special," the champion boar of the Kansas State Sale, 1952. Special privileges to 4-H and FFA members.

**WALTER ROTHE, Ness City, Kansas**  
6 miles south and 1 west. Phone 9F14

**FOR SALE — REGISTERED SPOTTED POLAND CHINA BRED GILTS**  
Farrow last of February to April. Most sired by "Blender Special," the champion boar of the Kansas State Sale, 1952. Special privileges to 4-H and FFA members.

**WALTER ROTHE, Ness City, Kansas**  
6 miles south and 1 west. Phone 9F14

**FOR SALE YORKSHIRE GILTS**  
Bred for March and April farrow to L. T. H. Evergreen King 17 F. Uttermate to champion barrow over all breeds at Nebraska Fair 1951 and champion carcass over all National Barrow Show, Austin, Minn. 1951. Also a few boars.

**GEO. WM. BURKHOLDER**  
Abilene, Kansas

**Try YORKSHIRES**

lean pork. For information and list of Kansas breeders write  
Kansas Yorkshire Breeders' Assn., Inc.  
GEO. WM. BURKHOLDER, Sec., Abilene, Kan.

**YORKSHIRE GILTS**  
Bred to Stockhaven Oxhey King A5F and CHB's Topper, a grandson of Packwood King and 104th, for March farrow. Topper is also for sale. Charles H. Becker, Cawker City, Kan.

**AUCTIONEERS**

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



**Vocational Agriculture**

By HELEN ANKENY



MEMBERS of the 3 Fowler Vocational Agriculture classes and their advisor, John Miller, made an interesting and educational trip to Garden City recently where they visited the Garden City experiment station; judged Brown Swiss cows and looked at sheep that were having tests run on them at the experiment station; looked at crops, and toured the milking barn with a guide.

Then the Future Farmers visited the Nolan farm where they saw the horses which originated in Australia and were brought to America after World War II. They are the only horses of this breed in America, and formerly belonged to the royal family in Australia.

Other places included on the tour were Garden City sugar factory, where they learned it takes one ton of sugar beets to make 300 to 350 pounds of sugar, and that the Garden City factory handles 60 tons per hour; and the Bookover feeding lots, where their guide told them who owned the cattle in each pen, and showed them some of the machines used in feeding fattening cattle for market.

Seven agricultural education seniors, recently graduated from Kansas State College in January, did their practice teaching for Vocational Agriculture instructors recently at Manhattan, Alma and Clay Center high schools. The 7 men who will enter the Vocational Agriculture field are: Wayne Shirk, Durham; William Whitenack, Manhattan; Kenneth Kern, Washington; Louie Keller, Greensburg; Howard Wilkins, Chapman; Harold Walker, Beloit, and Earl Sutton, Blue Rapids.

Brown county youths did remarkably well in the fifth annual economy beef contest concluded in early December at the stockyards in St. Joseph, Mo. Among Future Farmers winning blue ribbons entitling them to a free educational tour of cattle ranches in Southern Kansas and Oklahoma were James Moynagh, of Hiawatha, and Gilmer Dahl, of Everest. Brown county FFA winners in the red-ribbon class were Larry Schumann, Robert Schumann, Clair Krebs, Gilbert Wenger, George Williams and Herbert Wenger, all of Powhattan.

Jack Crabtree, Vocational Agriculture teacher at Powhattan, was named with Kenneth Walcup, of Maryville, Mo., Nodaway county agent, as outstanding leaders in this year's contest.

In the economy beef contest each eligible boy raises a beef calf to market age, keeping a careful account of all costs. When the animals are taken to market on the final day of the test, cost figures are weighed against actual market price commanded by each animal and winners are so determined. Top prices in the contest were \$32.50 for choice grades with other animals grading down to \$28.

The Burns FFA chapter members will be among Future Farmers in Kansas who will carry on a full-scale rat and mouse control program this year, as a part of the national rat and mouse control achievement program. They are hoping to merit the gold award by encouraging community participations thru demonstrations, displays and publicity.

Thousands of rats and mice were eliminated last year due to such campaigns carried on by Future Farmers thruout the United States. Warfarin, a powerful substance discovered at the University of Wisconsin, is the basis of the control program.

Don Forsyth, president of Howard FFA chapter, and his officers, initiated

the Piedmont FFA Green Hands and installed their officers at a recent ceremony. Other Howard officers included Don Signer, vice-president; Jerry Hubbell, secretary; Frank Cook, treasurer; Don Perkins, reporter; Jerry Dilling, sentinel, and advisor, Wilbur Hart.

The new charter recently issued to the Piedmont FFA chapter bore the number 232 and was issued by the Kansas FFA Association. Officers of the Piedmont group are: Harold Garner, president; Bill Yandell, vice-president; Ralph Lilley, secretary; John Andrews, treasurer; Richard Rader, reporter; Clifford Moore, sentinel; W. V. Redding, Vocational Agriculture instructor and FFA advisor.

Fort Scott Future Farmers and their advisor, Kenneth Carson, took on a new and different project previous to the holiday season, when they accepted responsibility of repairing and repainting toys for distribution to needy children thru the Salvation Army. Fort Scott citizens were asked to contribute discarded toys. A most worthy project, and advisor Carson and his boys are to be commended for their good deed.

Roberto de la Rosa, attached to the Mexican consulate in St. Louis, was principal speaker at the annual banquet held by McCune and Altamont Future Farmer chapters. For the last 4 years De la Rosa has been stationed at St. Louis as a cultural agent for the Mexican government in co-operation with the consulate in that city. He is training to enter the diplomatic service of his country. Noted for his Latin wit, he also is an accomplished musician and frequently intersperses his talk with music and song.

His present mission in the United States is Mexico's participation in a good neighbor campaign in which 21 American republics have been engaged for the last 20 years. De la Rosa is one of 12 goodwill ambassadors touring this country in an effort to promote better understanding between the U. S. and its southern neighbor.

Six Hill City Future Farmers shipped a load of 24 head of deferred-fed steers to the Kansas City market recently. The steers were raised by Larry and Marcus Law, Norman Voss, David Wolf, Joe Farrell, and Deonne Worcester. The boys and their instructor, John Lacey, went to Kansas City with the steers to make a study of the market and conditions affecting the market. The John Clay commission firm co-operated in making this study a success.

In the morning the boys toured the market and visited with commission men and slaughter steer buyers; visited the grain exchange where they gleaned information which gave them a much better understanding of what happens to our agricultural products. At noon they and Mr. Lacey were guests at a luncheon with the Kansas City Livestock Exchange Company as their host.

In the afternoon the group made a tour of the Armour packing plant in Kansas, where the entire processing and packing operation was studied firsthand.

**Judges Shorthorns**

A Kansan is judging Shorthorn bull classes in Scotland this month. Clinton K. Tomson, formerly of Wakarusa, will judge classes at the famed Macdonald Fraser and Company's show and sale of Scottish Shorthorns in Perth, Scotland. Now an internationally famous Shorthorn cattle judge, Mr. Tomson has judged at all major shows in the world, receives many invitations.

**Beef CATTLE**

**O-K Herefords**



by  
**The Oklahoma-Kansas Hereford Association**

**Blackwell, Okla.**

Show February 16 1 P. M.

Sale February 17 1:00 P. M.

**90 Selected Herefords 70 Bulls — 20 Cows**

13th Year with 31 Herds Represented in this Selection.

Top Herd Sire Prospects The Best in Commercial Sires

Remember the Date February 16 and 17

Write: Box 230, Blackwell, Okla., for Catalog.

**REGISTERED POLLED HEREFORD BULLS**  
Six months to one year. \$150.00 up.  
**JAMES E. POTTER & SON, Atchison, Kansas**

**WARRINGTON SHORTHORN BULLS to Clinton, Mo., Sale February 10**

Selling 3 Bulls in Western Missouri Cattle Breeders Sale at Clinton. (Clinton is just over the Kansas-Missouri line southeast of Kansas City.) Selling 1—20-months-old White Bull, 1—18-months-old Roan Bull sired by Sni-A-Bar Bondsman by the Champion Edelyn Campeon Mercury. 1—14-months-old Dark Roan Bull by Gregg Farm Vinosse and out of a double granddaughter of the International Champion Sunray. We feel sure Kansas Shorthorn bull buyers will like them.

**ALVIN T. WARRINGTON**  
Rich Hill, Missouri

**Dual-Purpose CATTLE UNUSUAL OFFERING**

Registered Milking Shorthorn Cows  
**50 Priced \$200 Up**  
THEIS CO., Dodge City, Kansas

**Milking Shorthorn Bull For Sale**

Sired by Iford Earl Gwin 11th. 30 months old. Dark red. One 2-months-old bull calf.

**A. W. SHOBERG**  
Rt. 2, Lawrence, Kan., Phone 4037N2

**Duallyn MILKING SHORTHORNS**  
Herd sires from Duallyn have improved milking and fleshing quality of many herds, by a son of one of the noted proven sires; Imported Iford Earl Gwynne 11th, RM, or Neralcam Admiral RM. Write for prices.

**JOHN B. GAGE, Rt. 1, Eudora, Kansas**

**BEST BULLS** offered in 27 years with Milking Shorthorns. From one month to four-year-old champion. Write for list, come and see.

**HARRY H. REEVES, Rt. 3, Hutchinson, Kan.**

**REG. RED POLLED BULLS**  
Quality Yearlings. Priced reasonable.  
**WM. WIESE, Haven, Kan.**

**HORSES -- JACKS PUREBRED TEAM**

Belgians: Mare and Gelding. Sorrels, well broke, well mated, 4 years old. Good as money can buy \$250.00. A 3-year-old Gelding, sorrel, broke, purebred, extra good, \$100.00. Almost new set of harness \$25.00.

**NATHAN KUNTZ**  
Abilene, Kansas, Rt. 1

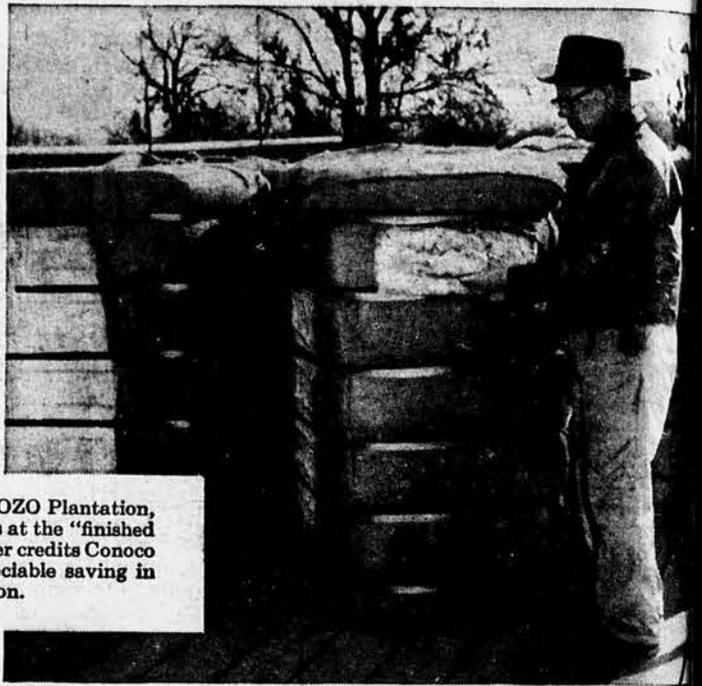
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# THE TANK TRUCK



Reuel Hightower, foreman of the OZO Plantation, fills a cotton planter . . . then looks at the "finished product" in the bale. Mr. Hightower credits Conoco Super Motor Oil with an appreciable saving in operating expense on the plantation.

## From Seed to Bale!

**I**N 1918, N. W. McHenry took over as manager of the OZO Plantation, a part of the McHenry estate located near Monroe, Louisiana, and has progressed from mules and wagons to a highly-mechanized operation. Today, he employs 100 full-time employees and adds 200 more during cotton picking season. He has one of the most modern gins in the South, and produces Louisiana Certified Cotton Seed. Also, a major part of his business is raising Louisiana Hybrid Seed corn. With 300 head of Hereford cattle, and 30 acres of pecans, Mr. McHenry's activities are completely diversified. He is a member of the Louisiana Farm Bureau, the Cattle-men's Association, and the Southern Seed-men's Association.

Reuel Hightower has been foreman of the OZO Plantation for the past 19 years. Two years ago he changed to Conoco Super Motor Oil. And here's what happened . . . "During my years here as a foreman", he writes, "we have used many brands of lubricating oils. However, the past two years we have been using your new Conoco Super

Motor Oil in our trucks and tractors. I can honestly say that through the use of Conoco Super, we have been able to make appreciable savings in our operating expense. "Filter elements need less changing, overhauls are less frequent, and motors are kept exceptionally clean. You are to be congratulated on such a fine oil!" Thanks, Mr. Hightower. You are one of many, many farmers who have told us that Conoco Super saves them money. We hope that other farmers, throughout the country, will be convinced by your actual experience, and will call the Conoco Man, soon, for a drum of this great, wear-fighting Conoco Super Motor Oil.

### "50,000 Miles-No Wear!"

To test Conoco Super Motor Oil, six brand new cars were each driven 50,000 killing miles. Crankcases were drained, while hot, every 1,000 miles . . . air and oil filters were serviced at proper intervals. At the end of the test, engines showed *no wear of any consequence* . . . averaged less than one one-thousandth of an inch on cylinders and crankshafts . . . proof that Conoco Super, with OIL-PLATING, can help your car and truck engines last longer, perform better, use less gasoline and oil.

### Buttermilk Doughnuts

. . . by Mrs. E. W. Niemi  
 R. 2, Deer River, Minnesota

2 T shortening	2 t. baking powder
1 cup sugar	1 t. soda
2 eggs	1/2 t. salt
3 3/4 cups sifted flour	3/4 cup buttermilk
2 t. vanilla	

Cream shortening and sugar. Add beaten eggs, stir in dry ingredients alternately with liquid. Chill dough 1 hour for easier handling. Roll out 1/8 inch thick. Cut with floured doughnut cutter. Drop from spatula into hot fat and fry golden brown. Roll out remaining dough a little at a time. Makes about 3 dozen.

### Shears for Recipes!

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Oklahoma. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

### 17 Years New!

For 17 years, E. T. Cruze, Sayre, Okla., has used only Conoco motor oil in his tractor. The sleeves haven't been replaced in 11 years . . . the valves haven't been ground in at least ten. "The engine still sounds like new," says Mr. Cruze.

### To Back Drill!

To back grain drill with press-wheels, raise tongue about 6' and prop with post, hook chain to end of tongue, then over grain box to press-wheel frame. When tongue is lowered, press-wheels raise. Useful for traveling on the road, says Max D. Potucek, South Haven, Kansas.

### Substitute Wrench!

Loop a piece of short link chain around pipe and fasten with a bolt, as shown. Use pinch bar or piece of pipe for handle, placing it in the opening under the bolt. Suggested by Emil Bigler, Floyd, New Mexico.

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Has a Full Line of Farm Products Including  
 CONOCO GASOLINES • CONOCO HD OIL  
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**CONTINENTAL OIL COMPANY**

### SAWS FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dept. E, Continental Oil Company, Ponca City, Oklahoma, and get a genuine \$10.25 D-15 Henry Disston Hand Saw for every idea that's printed!