

Kansas Farmer



VETERAN SECRETARY: Ray Smith, right, Hutchinson Jersey breeder, has been secretary-treasurer since the council was organized, but retires this year. He is talking things over with John Weir, Jr., Gueda Springs, new vice-president.



FIRST PRESIDENT: Hobart McVay, Nickerson Holstein breeder, was first president of the Kansas Purebred Dairy Cattle Breeders' Council. The council is a group organized to represent all breeds.



CARRIES ON WORK: C. O. Heidebrecht, Inman Milking Shorthorn breeder, is retiring as president this year and will become secretary-treasurer.

Dairy Council Speaks For All Dairymen

KANSAS dairymen prefer to develop their own leadership, and they don't ask anyone to run their affairs," says Professor F. W. Atkeson, head of the dairy husbandry department, Kansas State College. He was speaking of the Kansas Purebred Dairy Cattle Breeders' Council, which is doing an outstanding job in handling dairy problems for all dairymen, regardless of breed, within the state.

"In most states," Professor Atkeson continues, "members of the college and extension staffs really run the dairy industry. In Kansas our dairymen have taken hold of things. They let us sit in on their meetings as advisers, as do representatives of various breed associations, but dairymen themselves are running the show and we don't even have a vote in final decisions. That's the way it should be."

Just to see what this Kansas Purebred Dairy Cattle Breeders' Council is and what it does for the dairy industry of Kansas, we attended one of its recent meetings. Here are some things we learned:

Kansas is the first state to have such a dairy inter-breed council. The National Purebred Dairy Cattle Association, organized in 1941 to work with national problems, set the pattern for the Kansas group on a state level, so Kansas organized its state council in 1945. Several other states have followed our lead.

Hobart McVay, Holstein breeder of Nickerson, was first president; C. O. Heidebrecht, Inman Milking Shorthorn breeder, was first vice-

[Continued on Page 39]

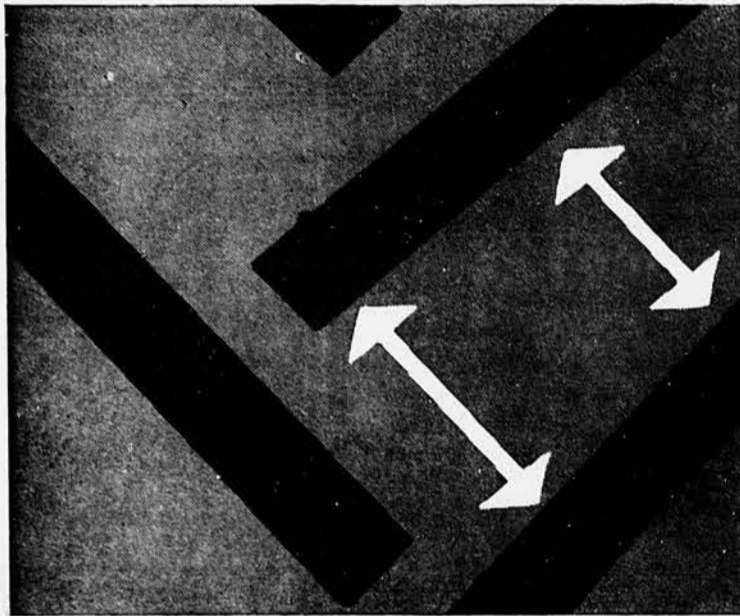


MOVES UP: Joe Hunter, Milking Shorthorn breeder of Geneseo, is the new president of the council.

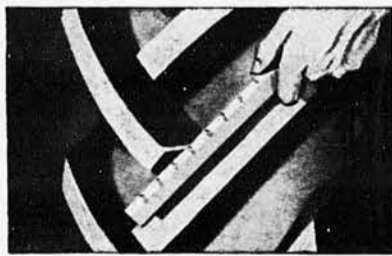
- **How Many Dams?**.....Page 6
- **Great Crop Changes**.....Page 12
- **Weed Battle Results**.....Page 23

How this WEDGE GRIP gives the greatest pull on earth

SUPER-SURE-GRIPS pull where other tires won't because these great tires have Goodyear **WEDGE-GRIP** action with straight-lug bars.



This is it—the Wedge Grip that gives **SUPER-SURE-GRIPS** the traction and pulling power that no other tire can equal. It's easy to see why. Those big, husky lugs are set closer together at the shoulder than at the center of the tread. As a result, the soil is wedged between the lugs while they are in the ground, released when the lugs come free—giving **SUPER-SURE-GRIPS** the sure, positive hold that means greatest pull. This is in sharp contrast to the way the soil is scattered and sluiced out at the sides when the lugs flare wide at the shoulders, as they do in other tires.



Straight lugs for maximum traction—another important advantage you find in Goodyear tires. Note how every husky Goodyear lug is a *straight* cutting bar, extending straight across the tire's crown. There's no toe-in at the center, no curve to cut down traction. Instead, every inch of every lug pulls equally for its full length and depth, assuring you not only greatest pull, but more evenly distributed wear, longer wear.



O-P-E-N at the center. You'll find no hooks, no knobs, no elbows, to blunt the bite of this great tire. That's why Goodyear's **O-P-E-N C-E-N-T-E-R** design gives sharper, cleaner, full-depth penetration—a soil-holding grip for the "greatest pull on earth"—plus positive self-cleaning after the lugs leave the ground. No wonder it's the tractor tire most farmers want—especially since *it doesn't cost a penny more!*

Farmers say **SUPER-SURE-GRIPS** pull where other tires won't—and they *prove* their confidence in **SUPER-SURE-GRIPS** by voting them their *first choice* tractor tire! For day-in, day-out work in the fields has shown them that Goodyear's straight-bar Wedge-Grip action gives them the grip and pull they want. They know from experience that it pays to buy the tire of *proved* traction, *proved* longer life and *proved* self-cleaning advantages. Why don't you take advantage of the experience of so many others—get Goodyears and get more for your money.



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

GOODYEAR

Super-Sure-Grip Tractor Tires

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

Coming, May 6 . . .

Will legumes become increasingly valuable to Kansas in the next few years? "Possibly legumes can be found or developed which can be successfully grown farther west in Kansas than those we now have." Isn't that a stimulating statement?

Coming to you in the May 6, 1950, issue of *Kansas Farmer* will be the important story of legume development in Kansas: How the wilt problem was solved, why acreage declined, where Kansas-grown seed goes, what insects hinder seed production—and help; latest harvesting information, many other points of interest.

You will keep this article for future reference for sure. It is one more in the special series reviewing 50 years of progress and delving into the future *Kansas Farmer* is bringing you. Watch for it May 6.

A Premium for Wheat?

KANSAS wheat growers may someday be paid a premium for high milling and baking qualities of their grain, if present studies and experiments at Kansas State College pay off.

A major project of 4 Kansas State College departments—milling industry, physics, agronomy, and agricultural economics—is the study of various aspects of the wheat-pricing question.

John McCoy, of the agricultural economics department, says: "We want to know whether individual farmers can be paid for the quality of wheat they produce." He says tests will be conducted on farms this summer to determine how much quality variation exists between different wheat fields. The K-Staters also are working on an idea whereby local elevators could test wheat for its milling and baking qualities.

"Variety is only one factor affecting wheat quality," says Mr. McCoy. "Other factors to be studied include insect and rodent damage, farming practices and use of commercial fertilizers."

These studies are being made because of a more-competitive market for wheat as export trade tapers off. Millers and bakers now can be selective and demand wheat with higher milling and baking characteristics. Mr. McCoy expects competition for hard, red winter wheat to be felt from Canada, Argentina, Australia, Russia and other wheat-producing areas of the United States.

Feeder's Day

Date for the Annual Livestock Feeder's Day program is Saturday, May 6, at Kansas State College, Manhattan. Results of last year's feeding and management experiments with beef cattle, swine and sheep will be reported. Other subjects of particular interest to farmers and stockmen will be featured on the program.—R. B. Cathcart, animal husbandry.

Need Permission

Breaking out grassland or permanent vegetative cover without prior approval of the county PMA committee is subject to penalty under the 1950 agricultural conservation program.

A deduction of \$3 will be made from any conservation payments if the county committee determines that land

KANSAS FARMER

Continuing Mail & Breeze

121-123 West 8th St.

Topeka, Kansas

Vol. 87, No. 8

ARTHUR CAPPER Publisher
H. S. BLAKE General Manager
Raymond H. Gilkeson Editor
Dick Mann Associate Editor
Edward W. Rupp Associate Editor
Florence McKinney Women's Editor
Dr. C. H. Lerrigo Medical Department
James S. Brazelton Horticulture
Mike Wilson Livestock Editor
J. M. Parks Protective Service
Roy R. Moore Advertising Manager
A. E. Carson Circulation Manager

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

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

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

broken out will become an erosion hazard or is not suited to the continued production of cultivated crops.

O'Bryan Field Day

Joe O'Bryan, Hiattville, has announced his 3rd Annual O'Bryan Livestock Field Day will be held at the ranch May 5. Ranch headquarters are located 7½ miles west of Hiattville on highway 39.

Livestock-management demonstrations, livestock-judging classes, and a tour of ranch improvements will make up the program. Prizes will be offered

winners in livestock-judging classes. Qualified persons will discuss various livestock problems.

Livestock-judging contestants, says Mr. O'Bryan, will be grouped as 4-H Club members, FFA members, On-the-Farm Training Veterans, and livestock men and women. These groups will not compete against one another.

The program will start at 9 a. m. and will be over by 3:30 p. m. In case of rain, the large judging pavilion and modern sale ring on the ranch will be used.

Wheat Hope

If there is to be any big reduction in wheat acreage in the U. S. it will have to be in the Great Plains and Pacific Northwest regions, Says C. R. Jaccard, Kansas State College agricultural economist.

"These 2 areas," he points out, "had 80 per cent of the 1949 wheat acreage and 70 per cent of the wheat production." Mr. Jaccard says the ray of hope in the wheat picture is increased population and use of wheat for livestock production. He quotes figures to show that the estimated 1955 population in the United States, at present incomes, would eat 18 per cent more meat than was produced in 1946.

"Eighteen million acres of wheat used for livestock production," he says, "would make only a 5 per cent increase in beef over our 1948 beef consumption."

30 Egg Plants

There now are 30 egg-drying plants in operation in 9 states in the Midwest. Kansas ranks third in the number of plants with five in operation. Minnesota is first with eight and Iowa second with seven.

Bins for Sorghums

Western and Southeast Kansas farmers this spring will be looking at many emergency bin-type structures, purchased by the government to help break the storage bottleneck.

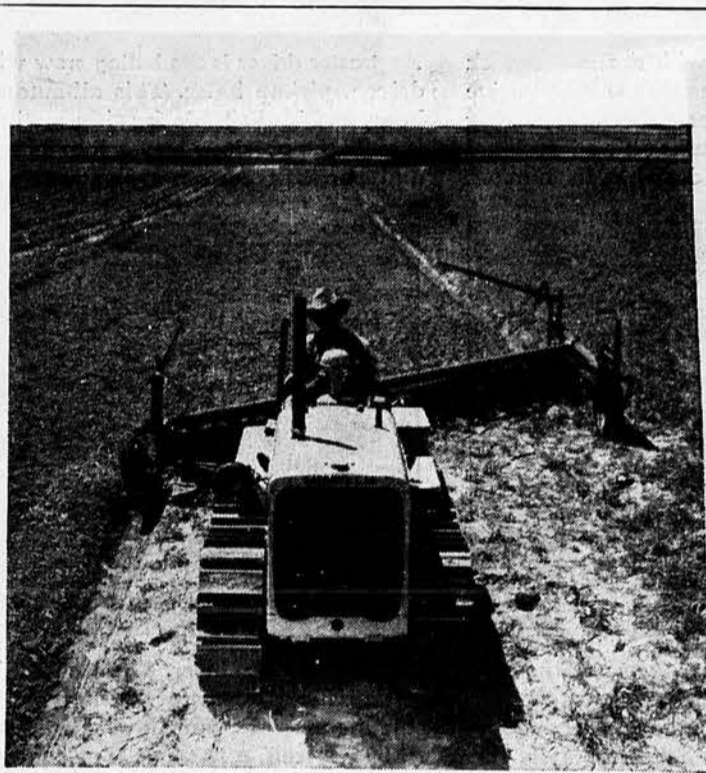
These bins will be in use for sorghum grain in Western Kansas and for corn in the Southeast. When no longer needed, the bins will be dismantled and moved to other locations.

A State Champion

Ransom Adele's April, a Guernsey cow owned by W. G. Ransom, Ransomville, has made a state champion record. Her production of 10,235 pounds of milk and 520 pounds of butterfat is the highest record in the state made by a senior 4-year-old milked 2 times daily for a 10-months period.

Senator Capper on Radio

Every Sunday afternoon at 3:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.



HOW THE 4-Plow D2 Delivers What So Many Kansans Want!

★

This view shows Arbuthnot Brothers' D2 at work near Liberal, pulling 15-foot one-way, tilling 6 acres per hour. D2 is operating at fourth speed under conditions shown, on less than 2 gallons of Diesel fuel per hour.

The broad tracks furnish all-soil, all-weather traction. And the "Caterpillar" Diesel Engine develops the heavy-duty power to make full use of non-slip traction.

So, on job after job, the 4-plow D2 delivers a big bonus of drawbar pull. That means ability to pull wider-than-common tools or do deeper-than-usual work — to boost hour and acre yields!

This Diesel operates on the heavy, non-premium power-rich fuels. Under many Kansas conditions, the D2 pulls its 4 plows (or equivalent load) on less than 1-3/4 gallons of fuel per hour (average).

All 5 sizes of "Caterpillar" Diesel Tractors commonly save 60% to 80% on fuel bills. That means a \$300.00 per year advantage to many a D2 Tractor owner!

"Caterpillar" Diesel Tractors, that have done what equals 25 tractor years and more of work on the average Kansas farm, are still "at it".

There are 5 world-proved "Caterpillar" Diesel Tractor sizes — 32 to 130 drawbar H.P. Whatever crops you raise, whatever acreage you operate, ask us to tell you about "Caterpillar" Diesel Tractor advantages.

The 40-inch gauge D2 is priced at only \$3355.00, f.o.b. Peoria, Illinois. See us for prices delivered on your farm.

Your KANSAS "CATERPILLAR" DIESEL TRACTOR HEADQUARTERS

FOLEY TRACTOR CO.
WICHITA • PRATT • GREAT BEND

MARTIN TRACTOR CO., INC.
TOPEKA • CHANUTE

OEHLETT TRACTOR & EQUIPMENT CO., INC.
SALINA • COLBY • HAYS

ROBERTS TRACTOR COMPANY, INC.
DODGE CITY • LIBERAL

You make better
quality hay... faster...
with a smaller crew... **the McCormick way**



Win the race against weather. Mow 4 acres an hour with the McCormick semi-mounted tractor mower. Among its many advantages are V-belt drive for trouble-free, smooth operation; easy square corners without knocking down hay; safety cutterbar breakaway to prevent damage; and optional hydraulic lift. It fits most tractors. Attached to the drawbar in minutes.



The tractor driver is the baling crew with a McCormick heavy-duty, engine-driven, pickup baler. This all-automatic machine bales up to 6 tons an hour, and is available for either twine or wire tie. Fast, yet mighty gentle, it seals the precious leaves into snugly-tied bales. Built for large acreage and constant custom operation. Handles heavy windrows smoothly.



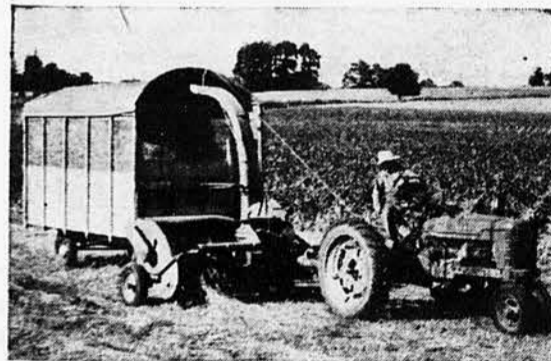
Mowing is made easy when your Farmall tractor is equipped with its own quick-attached mounted mower. Easy to back and turn, easy to get into tight corners; all the features and speed of the semi-mounted mower above. McCormick A-21, C-21, A-24, and HM-24 mowers have hydraulic lift.



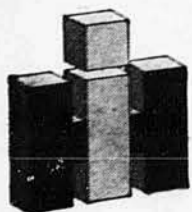
Family-sized farm baler. The McCormick power take-off operated, all-automatic baler is ideal for baling your own hay. No risky delays—start to bale the moment your hay is cured to finest quality. Bale 5 tons an hour, all by yourself. A Farmall H or equivalent tractor will power this machine.



You save the precious leaves, yet rake at fast speeds, with the McCormick heavy-duty, 8-foot side rake. Ground driven, it's never out of time—makes uniform windrows no matter how you vary the tractor speed.



Protein-rich cured hay or grass silage—full of vitamin A—is easier to make with a McCormick hay chopper. It picks up the crop from the windrow, chops it into pre-selected lengths, blows it into a trailing box or truck.



INTERNATIONAL HARVESTER

See your IH dealer for IH 5-Star SERVICE for all your farm machines... the year around!



GET THESE FREE BOOKLETS



All the McCormick hay machines shown above, and many others, are described in colorful, fully illustrated booklets. To learn more about the equipment you need, mail the coupon below. No obligation, of course.

International Harvester Company
P. O. Box 7333, Dept. KF, Chicago 80, Illinois

Gentlemen: Please send me, without cost, information on the equipment checked below:

- Mowers
- Hay loaders
- Rakes
- Pickup balers
- Field hay choppers

My hay acreage is _____

Name _____

Post Office _____ State _____

My IH dealer is _____

Control Head



John L. Monaghan

John L. Monaghan has been named director of the Control Division of the Kansas State Board of Agriculture to succeed Paul Ijams, recently appointed as assistant secretary of the board.

Mr. Monaghan, an employe in the office since 1937, will have direct supervision over many Kansas laws governing agricultural chemicals, feeds, and fertilizers, as well as several other acts designed for the protection of Kansas farmers.

100 Irrigation Wells

One hundred irrigation wells have been drilled along Walnut creek in southeastern Rush county, Glenn Booth, soil conservation technician, said. The 100th well was drilled on the Ed Juno farm a mile west of Timken.

Alfalfa, sorghums and sweet clover are grown under irrigation. On the Ed Oborny farm Buffalo alfalfa was grown for seed last summer. There is a great demand for this seed in Eastern Kansas and in the Eastern states, since it is wilt-resistant.—Charlotte Norlin, McCracken.

Buy Known Products

A major concern for the Kansas State Board of Agriculture these days is proper distribution of agricultural chemicals. Robert Guntert, Agricultural Chemical Supervisor for the board, recently pointed out to manufacturers and distributors that it is essential that 2,4-D and other chemicals not be retailed in bulk lots.

Inspectors are making a constant check on all retail outlets of agricultural chemicals, says Guntert, to see that careful and truthful labeling is used. He urged all those purchasing any agricultural chemical to make certain it was in the manufacturer's original container and to read the labeling fully. Only in so doing, he adds, can a farmer be sure he is getting the kind of chemical desired and that he will be using it properly.

Kansas Winners

Announcement is made by the Farm Underwriters Association of Chicago that Leona Manz, R. 3, Junction City, and Juanita Boaz, Tecumseh, have been awarded the 2 annual scholarships for farm fire-prevention activities in Kansas.

These scholarships have a value of \$200 for study of home economics at any accredited college. They are available to members of 4-H Clubs. Selection is made by the state club leader.

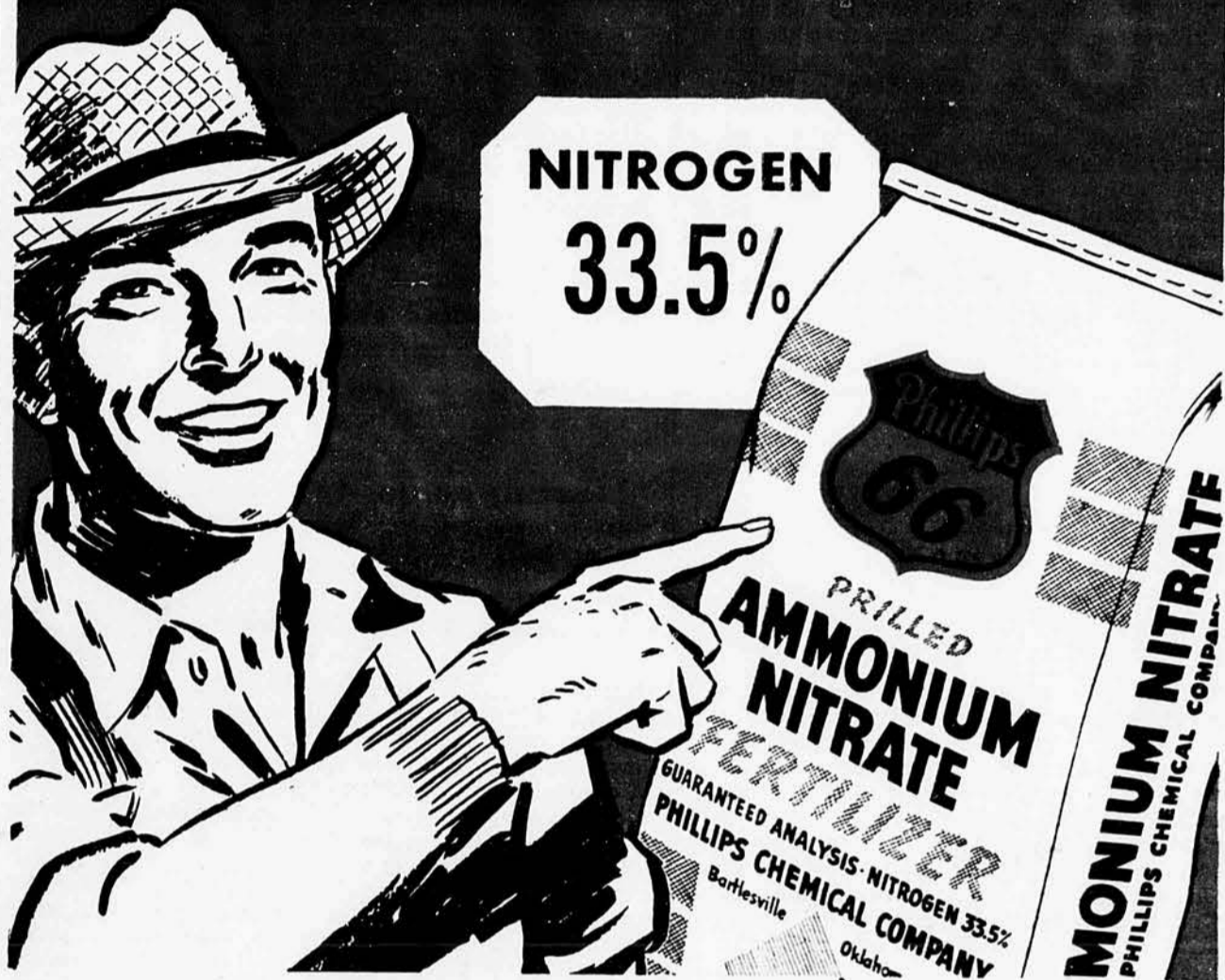
Aspirants for the award are required to conduct a project based on fire safety and reduction of fire hazards on the farm.

The program embraces 15 Midwest states and is sponsored by the Farm Underwriters Association, an organization of old-line stock fire-insurance companies. Purpose of the contest is to promote fire safety on the farm and reduce the annual death toll due to farm fires.

No Soybean Cut

Because soybeans are still scarce, there will be no acreage restriction on soybean planting this year, states the PMA office at Manhattan. Acreage allotments could not be justified on soybeans because of the low level of current supply, according to PMA.

A GREAT NEW NAME IN FERTILIZER!



**Phillips 66 Ammonium Nitrate available
in bags for direct application this season!**

PHILLIPS 66 Ammonium Nitrate is rich in valuable nitrogen, and it is available *this* season through dealers in your section of the country!

Phillips 66 Ammonium Nitrate guarantees a nitrogen content of not less than 33.5%. It flows freely . . . drills efficiently. Suitable for use as top dressing or side dressing.

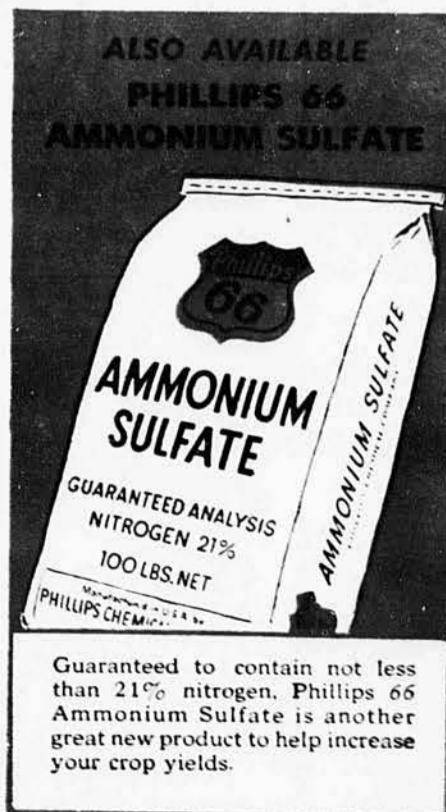
If your regular dealer doesn't have Phillips 66 Ammonium Nitrate, write direct to Phillips Chemical Company, Fertilizer Sales Division, Bartlesville, Oklahoma. We'll inform you where you can get it.

PHILLIPS CHEMICAL COMPANY

A Subsidiary of Phillips Petroleum Company

FERTILIZER SALES DIVISION

Bartlesville, Oklahoma



How Many Dams for Kansas?

By Dick Mann

IF THEY build that dam we'll be ruined!" This is familiar to Kansas farmers since the Federal Government has become serious in its development program for the Missouri River basin.

Now, what about the whole flood-control picture for Kansas? Do you know what is being planned for the state? Without regard to need or lack of it for any one project, we think farmers of Kansas should know the answers to some important questions. They are:

1. How many proposed dams and reservoirs in or near Kansas will directly affect people living in Kansas?
2. Where are these proposed dams and reservoirs located? (See map on next page.)
3. How much farm acreage will these reservoirs require? How many acres do engineers say can be brought under irrigation to offset losses of land given over to reservoirs?
4. What purpose will each reservoir have, what is its estimated cost, and when was that estimate made? (See table on this page.)
5. How do these projects get started and what steps do they go thru before built?
6. What is the present status of all the reservoirs proposed for Kansas?

With these questions in mind, now take a look at the large map on the next page, and the chart on this page. We believe the map and chart, as prepared especially for *Kansas Farmer* by the water resources division of the Kansas State Board of Agriculture, will tell you more quickly than we can describe it, the over-all flood-control program for Kansas.

In looking over the chart on this page, you will note some projects are sponsored by the Corps of Engineers and some by the Bureau of Reclamation. Generally speaking, the Bureau of Reclamation sponsors those projects where

????

How do these big flood-control projects get started? What is the flood-control program for Kansas? What will it cost? These and many other questions are answered in this article which was written to clear up some of the rumors you hear but can't pin down.

irrigation is a major factor, while the engineers sponsor those where flood control, maintenance of stream flow or navigation are major factors. A law passed in 1938 provides for complete Federal ownership and operation of all such local projects, and a law passed in 1944 outlines the respective fields of operation for the Corps of Engineers and the Bureau of Reclamation.

Since the procedure for projects under either department is the same, let's run thru a sample project under the Corps of Engineers. Here is the procedure:

1. Upon request of local interests, Congress

authorizes and directs the Corps of Engineers to make an investigation. Local interests usually are towns or cities below the proposed dam.

2. The engineers make field surveys, study the problems and prepare a report, with recommendations.

3. The report, with its recommendations, moves thru official channels to the office of the Chief of Engineers.

4. After his examination, it is sent to the Board of Engineers for Rivers and Harbors.

5. That board examines the report, makes its recommendations, and returns the report to the Chief of Engineers.

6. The Chief of Engineers then sends the report, with all the accompanying views and recommendations of the previous reviewing agencies, to the governors of the affected states.

7. The governors have 90 days to examine the report and make their comments and recommendations. The report then is returned to the Chief of Engineers. *Note that state officials can make comments and recommendations but have NO VETO POWER to stop projects.*

8. The report, with recommendations and comments of the several agencies attached thereto, then is forwarded to the Congress by the Secretary of War. If Congress approves the project, it is authorized to be constructed at such time as Congress sees fit to appropriate funds for construction.

In Kansas the governor does not act alone in reviewing projects. The 1945 Kansas legislature adopted House Concurrent Resolution No. 5 stating that such projects be reviewed by a committee composed of representatives from the following institutions and departments:

Department of civil engineering, Kansas State College; school of engineering, University of Kansas; state [Continued on Page 14]

This map shows location of dams—finished, under construction, and others proposed

Kansas Flood Control and Irrigation Reservoir Projects

Proposed by U. S. Corps of Engineers and U. S. Bureau of Reclamation

This table compiled February, 1950, by Water Resources Division, Kansas State Board of Agriculture

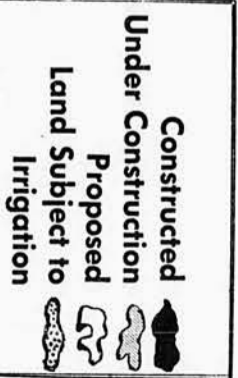
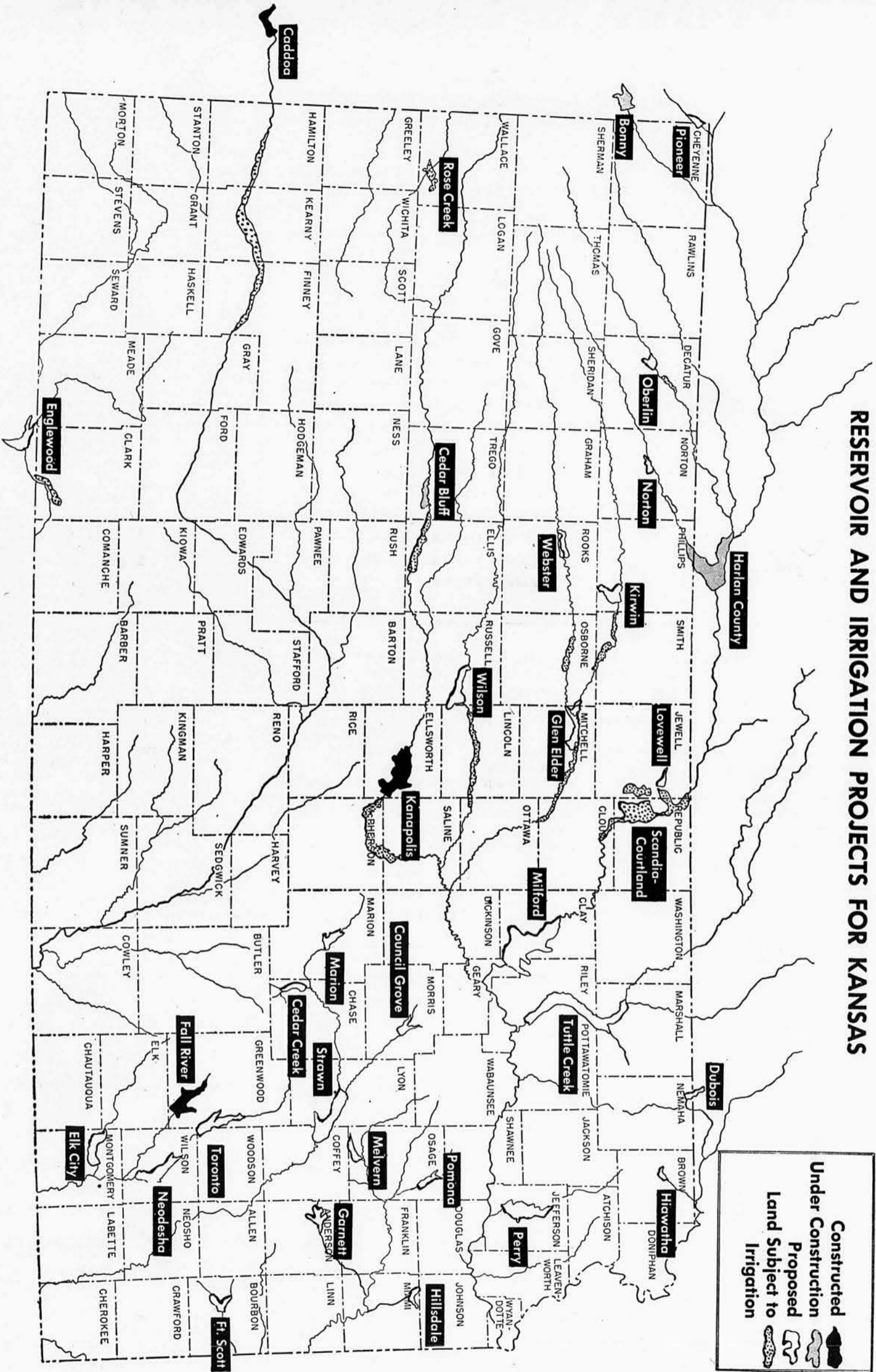
Project Name	Stream	Location (County)	Date Authorized By Congress	Reservoir Area At Full Pool (Acres)	Capacity (Acre-Feet)	Purpose	Proposed Irrigated Acres In Kansas	Estimated Total Cost* (Date of Est.)
Caddoa	Arkansas	COLORADO	1936†	17,500	655,000	a, b	65,000 (Est.)	\$15,080,000 (1947)
Kanopolis	Smoky Hill	ELLSWORTH	1938‡	13,900	450,000	a, b, c	41,000	12,168,000 (1948)
Milford	Republican	GEARY-CLAY	1938	25,000	740,000	a		26,927,300 (1947)
Tuttle Creek	Big Blue	RILEY-POTTAWATOMIE	1938	53,300	2,280,000	a, c		64,305,000 (1948)
Harlan County	Republican	NEBRASKA	1938§	22,800	850,000	a, b	63,000	48,578,000 (1948)
Toronto	Verdigris	WOODSON-GREENWOOD	1941	6,900	160,000	a, c		14,315,000 (1948)
Neodesha	Verdigris	WILSON	1941	7,100	90,000	a, c		5,313,000 (1939)
Fall River	Fall	GREENWOOD	1941†	10,400	263,000	a, c		10,820,000 (1948)
Elk City	Elk	MONTGOMERY	1941	11,600	250,000	a, c		9,600,000 (1939)
Bonny	So. Fork, Republican	COLORADO	1944§	No data	238,000	a, b		12,519,000 (1945)
Pioneer	Arikaree	CHEYENNE	1944	2,750	109,000	a		14,105,000 (1947)
Norton	Prairie Dog Creek	NORTON	1944	No data	16,000	a, b	4,500	5,781,300 (1945)
Kirwin	No. Fork, Solomon	PHILLIPS	1944	7,800	200,000	a, b	11,000	13,867,000 (1947)
Webster	So. Fork, Solomon	ROOKS	1944	6,800	224,000	a, b	9,000	14,881,000 (1947)
Glen Elder	Solomon	MITCHELL	1944	18,600	425,600	a, b	26,000	24,272,000 (1947)
Wilson	Saline	RUSSELL	1944	12,300	388,900	a, b	23,000	14,869,000 (1947)
Cedar Bluff	Smoky Hill	TREGO	1944§	10,800	368,100	a, b	11,500	18,602,000 (1947)
Strawn	Neosho	COFFEY-LYON		24,200	374,000	a, c		8,954,600 (1945)
Council Grove	Neosho	MORRIS		4,460	85,000	a, c		4,557,750 (1945)
Marion	Cottonwood	MARION		6,370	90,000	a, c		3,318,680 (1945)
Cedar Point	Cedar Creek	CHASE		2,340	55,000	a, c		2,843,830 (1945)
Hillsdale	Bull Creek	MIAMI		4,000	90,000	a, c		6,057,290 (1948)
Pomona	110 Mile Creek	OSAGE		7,500	181,000	a, c		9,280,200 (1948)
Melvorn	Marais des Cygnes	OSAGE		7,900	198,000	a, c		13,292,000 (1948)
Garnett	Pottawatomie Creek	ANDERSON		9,200	186,000	a, c		10,086,960 (1948)
Fort Scott	Marmaton	BOURBON		7,400	137,000	a		10,914,170 (1948)
Oberlin	Sappa Creek	DECATUR		No data	42,800	a, b	1,500	
Lovewell	White Rock Creek	JEWELL		No data	53,500	a, b	8,000	
Rose Creek	Rose Creek	WALLACE		200	2,240	b	567	1,183,000 (1947)
Perry	Delaware	JEFFERSON		14,120	360,000	a, c		12,047,000 (1947)
Hiawatha	Walnut Creek	BROWN		1,300	24,200	a		2,180,000 (1948)
DuBois	Turkey Creek	NEMAHA		3,100	62,200	a		4,079,000 (1948)
Englewood	Cimarron	OKLAHOMA		8,100	250,000	a, b, c	19,000	6,684,000 (1944)

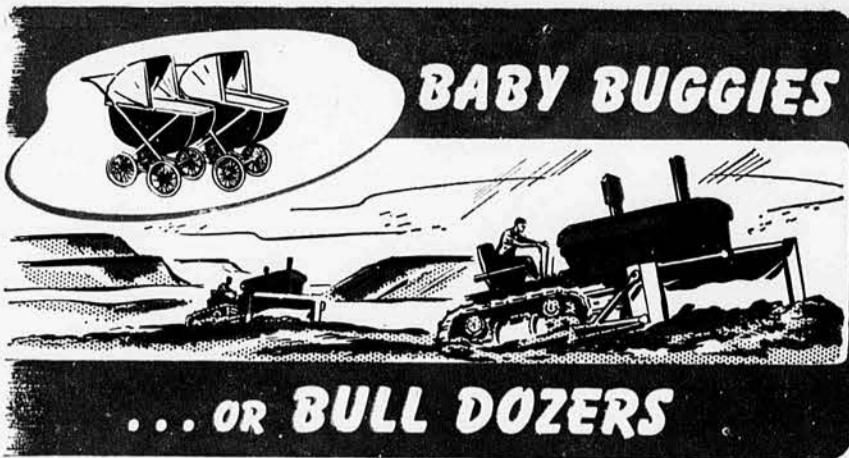
† Completed in 1949
‡ Completed in 1948
§ Under Construction

a - Flood Control
b - Irrigation
c - Maintenance of stream flow

* All cost estimates are subject to changes necessary to bring them in line with current prices.

RESERVOIR AND IRRIGATION PROJECTS FOR KANSAS





DEZOL DOES IT!

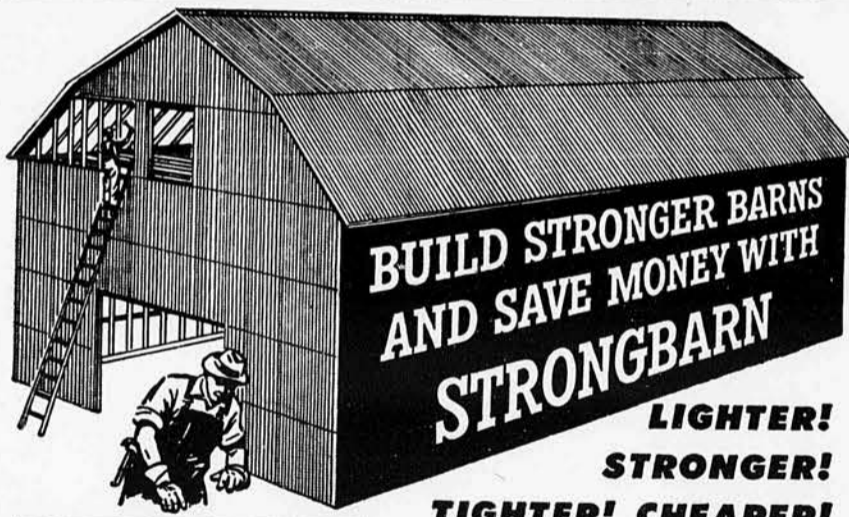
It Takes Them All In Stride

No job is too big or too tough for DEZOL. It has a film strength that won't break down just because you put on an extra load. Don't be afraid with DEZOL, for whatever your lubrication job . . . DEZOL DOES IT!

DEZOL is a fine oil, too — fine enough for sewing machines or any other lubricating job where good oil is required. Sure, DEZOL has some additives that improve quality, prevent corrosion, cut down gum and carbon . . . but nothing that will harm the finest mechanism. Try DEZOL . . . the "Oiloy" motor oil. You will like it.

More than 500 Independent Dealers sell DEZOL in Kansas. If your dealer cannot supply you, write direct to

UNIVERSAL MOTOR OILS CO., INC.
319 North Wichita St. Wichita, Kansas



STRONGBARN

will stand up under heavier loads than conventional corrugated roofing.

STRONGBARN

is 56% stronger than conventional grades of roofing.

STRONGBARN

is 21 pounds per square lighter than 26 gauge roofing yet equal in strength.

STRONGBARN

permits you to place girts and purlins farther apart—saves money and lumber.

STRONGBARN

does not dent or bend under blows that would distort other roofing.

Granite City's STRONGBARN is an amazing new corrugated roofing and siding that's better than conventional steel by ACTUAL TEST! It's easy to apply, wears longer because it's tougher, can be installed quickly and easily. You can build a better barn with STRONGBARN, so try it soon. You'll never use another kind of siding or roofing.

SEE YOUR DEALER OR WRITE TO



GRANITE CITY, ILLINOIS

You Can Beat Insects

By WILLIAM G. AMSTEIN, Kansas State College

NOW is the time to plan your garden insect-control program. As gardens get underway you can expect bugs to show up. When I was planting Irish potatoes I noticed the regular Colorado potato beetles already out on the job waiting to go to work.

If insects move in, returns from the home garden can go down rather quickly. Good yields are important and insects must be controlled for quality products, also.

Most important thing about handling garden insects is to keep the bugs from getting started. You need to give a few minutes once a week to insect control. A practical program to save your garden from insects is to:

1. Use rotenone once each week.
2. Apply it carefully and thoroly.
3. Supplement rotenone with other control methods where necessary.

Treating garden vegetables with rotenone once a week will kill many of the common insects. Big advantage of using rotenone is that it is effective against many insects even tho you aren't an expert in bug control. If in doubt use rotenone and often.

Ask Your Dealer

Rotenone can be bought from most dealers. It is sold under many trade names. Plan to apply it to your vegetables once a week, or as close to that schedule as weather permits or bug outbreaks require, and you will have satisfactory control of insects.

Rotenone will control most of the leaf-chewing beetles and caterpillars. It is useful against bean leaf beetles and flea beetles (those small, black, shiny bugs) on tomatoes, radishes, carrots, beets, and plants grown for greens.

It will control worms on cabbage, cauliflower and lettuce, aphids on turnips, striped and spotted cucumber beetles on melon and squash, as well as melonworms and pickleworms on squash, cantaloupes, and cucumbers. The main need is to get started early.

Rotenone can be used with safety on all garden crops. In amounts sufficient to kill insects, it is not poisonous to humans, birds or animals.

Be sure to apply rotenone to both upper and lower surfaces of plants. Dust or spray needs to reach undersides of

leaves as well as topsides. Success will depend upon both the regularity and the thoroughness of applications.

In buying any insecticide, including rotenone, remember the active ingredients are important. Percentage of active ingredients is often shown in very small print on the label of the container. Be sure to check and see that the percentage is high enough to do the job. In other words, look for the decimal point.

Rotenone preparations for dusting should have at least an active ingredient content of 0.75 per cent (3/4 of 1 per cent) rotenone or more. A 1 per cent dust is even better. Rotenone in this form may be applied as purchased with a dust gun. Some preparations have only .25 per cent or .50 per cent rotenone and may not prove too effective.

You May Have Some

The powdered product suitable for use in a spray mixture should contain 4 or 5 per cent rotenone. You may have some of the derris (rotenone) material you bought for cattle grubs left over. It was usually a 5 per cent material and you can dilute it one half or more with flour and still have a good dust mixture.

Do not expect rotenone to kill all species of insects. The waxy aphids on cabbage and broccoli, or leafhoppers on beans and potatoes are not handled by it. If plant lice (aphids) or leafhoppers get a start in your garden, you will have to use some other kind of insecticide. For aphids (plant lice, green bugs), use nicotine sulfate (Black Leaf 40). Use the commercial product diluted in water according to directions on the label. Do a thoro job with it.

For leafhoppers, use a pyrethrum preparation either as dust or spray. Pyrethrum is a common insecticide sold under many trade names. Ask for pyrethrum, then look at the label and check the total pyrethins content, which will be given under "Active ingredients." Buy a 0.3 per cent preparation.

Some tough ones are squash bugs on pumpkins and squash. These are probably best controlled with Sabadilla. It won't take much. Use it on the infested plants only. Sabadilla is not so readily available as some insecticides.

Experiments Prove Stored Feed Value

THRUOUT 34 years of dairy cattle research at the Colby branch experiment station, of Kansas State College, necessity of storing roughage in seasons of good crops for use in less favorable years has been pointed out.

During the drouth of the thirties ensilage was available that had been stored 13 years previously. This ensilage was readily eaten by the cattle, and their production was maintained by its use. Had such feed not been available, it would have been necessary to import roughage from a distance or to have sold the cattle.

Sorghum fodder can be carried over if properly stacked. However, loss from such a practice is much greater than when the crop is stored in a silo.

Research has further disclosed that better management and breeding practices will increase production of a dairy herd in the short grass section of Kansas.

Ten-year average production records at the Colby station show milk production was increased more than

one third and butterfat production more than one half between 1917 and 1946.

The records are as follows:

Period	Lbs. Milk	Lbs. Butterfat
1917-1926	6,281	220.6
1927-1936	8,064	323.0
1937-1946	8,677	344.0

It is evident from research at this station that part of the increase is due to better breeding and a part to better herd management and care.

Record for Records

Dairymen belonging to dairy herd improvement units set a new record in February for number of milk-production records sent to the Bureau of Dairy Industry.

A total of 42,848 milk-production records, for use in proving sires, reached the bureau during the month. This is the largest number ever received in one month since the bull-proving project started in 1935, the Bureau reports.

Plan State Poultry Exposition

A Kansas Poultry Exposition will be held next December 7 to 9, at Emporia, it is announced by the Kansas Poultry Industry Council.

Included in exposition plans are commercial and educational displays and exhibits, talks by prominent persons in the poultry field, and competitive classes of live poultry from bantams to turkeys.

There also will be departments for 4-H Club and Future Farmers of America members and poultry judging contests.

Industry council officers for 1950 are Ellis R. Wise, Manhattan, president; A. D. Mall, Clay Center, vice-president; L. F. Payne, Kansas State College, secretary, and J. E. Hayes, Manhattan, treasurer.

Directors are M. C. Cool, Concordia; Kimball A. Backus, Topeka, and L. B. Stants, Abilene.

Farm Matters

AS I SEE THEM

I DID NOT have the pleasure of attending a meeting of Blue Valley farmers and town residents at Randolph, in northern Riley county, last week. Some 200 of them met to carry on their fight against the proposed 70-million-dollar or so Tuttle Creek dam (across the Blue river) and reservoir.

But I did have the pleasure of looking over the manuscript of the speech made by Elmer T. Peterson, associate editor of The Daily Oklahoman, published in Oklahoma City, Okla. Mr. Peterson is a former Kansan; was editor of the Wichita Beacon when the late Henry J. Allen was the owner and publisher; after that he was editor of a national farm magazine for some 10 years. Elmer has been an avowed enemy of the "Big Dam" as the proper way to get flood control in the alluvial plains of the Missouri-Mississippi Valley. I found his analysis most interesting, and, it seems to me, very logical.

"The big midstream dam in the alluvial plowland area of the Mississippi Valley is as obsolete as the horse and buggy," according to Mr. Peterson. "It is completely in conflict with modern findings and the behavior of turbid water in motion."

There is hardly space in this editorial to quote his statements, findings and conclusions. But a brief summary of a few high points in his argument might be interesting as well as instructive.

Because all big dams and reservoirs constructed by the Army Engineers are planned and constructed as multiple-purpose dams, he maintains, they are valueless—at times detrimental—for flood-control purposes.

These "multiple-purpose dams" are advertised as providing flood control, and also water for hydro-electric power, navigation, irrigation, and recreation (including fishing) purposes. A sort of Mother Hubbard covering just about all purposes to which water can be put.

It seems to me Mr. Peterson is on sound ground in his contention that if the reservoirs are to be used efficiently for flood-control purposes, then the reservoirs must be emptied between floods, so there will be room to impound new floodwaters and hold them back for protection of farm lands and cities down stream.

However, Mr. Peterson points out, if the waters are to be used for hydro-electric power purposes, then these waters must be held at a high level in the reservoirs, to insure the necessary fall to drive the power-making machinery. If the reservoirs (huge lakes) are to be used for recreation purposes, then, again, the water-level must be kept high—seas of mud surrounding a pond of muddy water are not lakes suitable for picnicking, boating, swimming and fishing. To some extent the foregoing holds true if the reservoirs are to provide water for irrigation and navigation.

But, Mr. Peterson argues—and his arguments seem reasonable, more than just plausible, to me—if the reservoirs are kept full or nearly full for hydro-electric power, recreation, navigation and irrigation purposes, then when the flood comes down from above the dam, the floodwaters are not impounded in the reservoir, but just flow over the dam, and are as much of a

flood menace as if the dam was not there at all.

Mr. Peterson cites that in 1943 the Grand river (called the Neosho in Kansas) contributed half the floodwaters in the Arkansas river valley below the \$50,000,000 Pensacola Dam—this flood cost 19 lives and \$127,000,000 of property losses.

"The flood below the dam was the worst in the history of the valley," Mr. Peterson asserts. "It was worse than if the dam had not been there, because in its natural meandering state, the river (above the dam site) slows up the floodwater. In this case it went right over the dam, causing unprecedented damage."

Mr. Peterson also charged that in the alluvial plains area, with its slow-moving waters slowed down still more by the backing up for miles above the big dams, silting will fill the reservoirs in from a very few to 50 years at the most. "And the answer of the army engineers, 'we can go up or down stream and build another dam,' is no answer at all," according to Mr. Peterson.

And there is no question at all that construction of these huge and costly dams and reservoirs puts out of use some of the best farm lands in river valleys in which they are constructed. This might not be true if they were constructed as flood-control reservoirs only (as in the Miami conservancy district in the Ohio Valley). But all big dams constructed with federal funds these days are multiple-purpose, which requires that the waters impounded must cover the fertile lands in the valleys above the dams. Tuttle Creek, for instance, will make displaced persons of some 550 farmers and small-town residents.

I found Mr. Peterson's paper most interesting; would be glad to hear from any of you who hold contrary views.

A Ray of Hope

I KNOW you get worried sometimes, perhaps discouraged, over unsettled world conditions. The kind of peace we have at present is too heavily overshadowed by super-bomb and cold-war talk for carefree comfort. But here and there is a ray of hope, instances showing how peoples of the world can get along in complete harmony.

One of these I wish to mention is the International Farm Youth Exchange Project. You will recognize it immediately when I tell you Armin Samuelson, Topeka; Evelyn Haberman, Heizer, and Stanley Meinen, Ruleton, were exchange youths from Kansas visiting other countries in the last 2 years. Armin wrote letters to *Kansas Farmer* from England, France, Sweden, Belgium, The Netherlands and Luxemburg. Evelyn wrote from Holland and Germany. Stanley wrote about Switzerland.

I now have word from J. Harold Johnson, state 4-H Club leader, saying there is a possibility 3 Kansas delegates will be approved this year and, of course, they will write to you thru *Kansas Farmer*. I am glad, I can assure you, to

help in financing the trips our fine young people will take.

To me it is extremely important to encourage this project in every way we can. Having our young folks learn what farm families in other countries are thinking, how they live and work,

what problems they face, is a very definite step in building international understanding and friendships. Likewise, having equally fine young people from other countries over here develops similar good relationships. Returning to their home countries, these farm exchange youths tell their own people thru the press and personal talks about their experiences. It tends to make better neighbors of all peoples.

Briefly, the International Farm Youth Exchange Project provides for selected farm youths of the United States to visit co-operating countries, mostly European, where, on invitation, they live and work with farm families in these countries for about 4½ months. And farm families of the U. S. are hosts to rural youths from overseas. Co-operating countries for 1950 include Belgium, Luxemburg, Denmark, Finland, Norway, Sweden, France, Netherlands, England, Wales, Ireland, Northern Ireland, Scotland, Switzerland, Austria, Germany and the United States.

Who carries out the plan? State and Federal Extension services of land grant colleges and the U. S. Department of Agriculture, adult volunteer rural organizations, the office of Foreign Agricultural Relations of the U. S. Department, and the U. S. Department of State, are responsible for carrying out the U. S. part of the plan.

Arrangements for activities of our delegates on arrival in other countries are made by the U. S. Embassies and various agencies in the countries visited, such as Young Farmers Clubs of Great Britain and 4-H Clubs of Denmark, Finland, Norway and Sweden.

Each state sending a delegate undertakes to pay up to \$1,000 of the cost of the 2-way exchange—that is, sending a delegate overseas and receiving a foreign delegate in return. Most state contributions to pay for the trips are being raised by 4-H Clubs or Extension groups.

The director of agriculture extension service in each state nominates the 4-H Club candidates to represent his state. Representatives of youth groups other than 4-H Clubs are chosen by officials of the adult organization sponsoring them.

Delegates from 17 states participated in the project in 1948, the first year, going to the countries already mentioned. In 1949 there were 31 delegates from 22 states. As all of you know, delegates from Kansas—Armin, Evelyn and Stanley—told their stories in *Kansas Farmer*, on the radio and in many, many meetings.

I believe you will agree with me when I say this project offers more than a ray of hope. It certainly should develop, in all countries concerned, a well-informed junior farm leadership capable of understanding the reasons for and values in amicable international relationships.

Arthur Capper
Topeka.

Brannan Plan Is Bait for More Power

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

IT LOOKS more and more as if the Truman Administration plans to elect an 82nd Congress which will look and vote more favorably on the so-called Welfare State program, thru using the Brannan Plan as the main campaign issue in farm congressional districts.

President Truman has sent a fresh message to this 81st Congress, urging enactment of the Brannan Plan into law at this session of Congress. Neither

President Truman nor Secretary of Agriculture Charles F. Brannan nor any member of Congress anticipates any such action this year. But the President and Secretary Brannan believe they can get enough Fair Deal congressmen elected on that issue next

November to assure the Administration a working majority in both branches of Congress.

Probably neither President Truman nor Secretary Brannan, if asked, would admit that Louis Bromfield, author-

farmer, paints too glowing a picture of what the Brannan Plan can accomplish, in the following typical Bromfield story:

"I heard a story down in Memphis last week concerning a very remarkable cow. The farmer offering this cow for sale, according to the story, said that it provided milk for his wife, himself and their 12 children and for the families of his 3 eldest children, who

(Continued on Page 38)

The HARVESTORS



WITH THE FEATURES ALL FARMERS INSIST ON

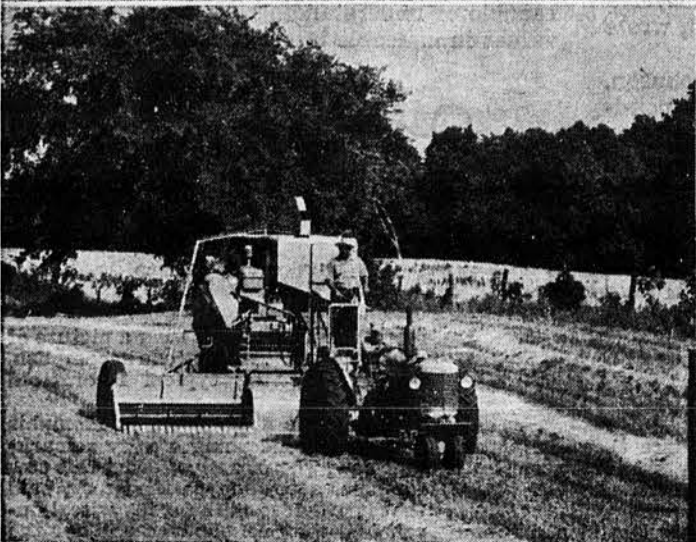
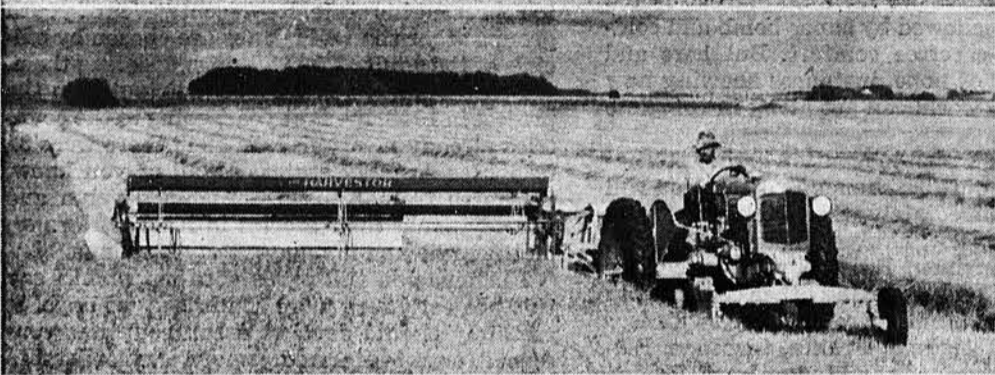
The proven dependability of MM HARVESTORS in heavy crops, down grain, light stands, and under *all* field conditions, stems from many exclusive and outstanding features such as: **EXCLUSIVE CYLINDER FEED**—unthreshed grain is spread out by the feeder conveyor, two beaters, and metal curtain before delivery to cylinder. This stops slugging and uneven feeding, and gives highest threshing results . . . **MM RASP-BAR CYLINDER** and **ONE-PIECE WELDED CONCAVE** and **GRATE** provide a positive *rubbing* action, similar to rubbing out grain between your hands, without cracking the grain or breaking the straw and weeds to bits . . . **EXCLUSIVE GRAIN PAN DESIGN**—fishback channels and a steep 8-inch

drop from grate to cleaning shoe prevent bunching of grain at sides or ends on rolling land . . . **CLEANING SHOE** is **AUTOMATICALLY LEVEL** and always in its best cleaning position regardless of the tilt of the HARVESTOR.

The HARVESTORS are of single unit construction balanced over the main axle for easy pulling and handling. MM HARVESTORS are durably built to last for years . . . upkeep costs are always low . . . breakdowns in the field are almost unheard of. New **UNI-MATIC POWER** gives instant hydraulic control of cutting heights on the go. MM HARVESTORS are designed and built to get all the crop under all combining conditions and always at *lowest possible cost*.



Ask your MM Dealer to give you all the facts about MM HARVESTORS, VISIONLINED TRACTORS, POWER UNITS, and other MM machines. Quality Control in MM Factories Assures Dependable Performance in the Field



MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

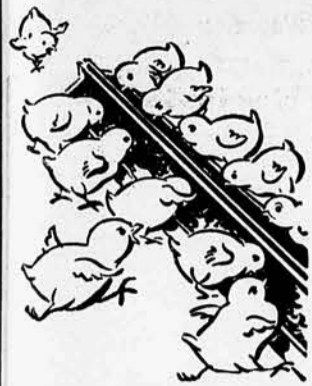
Kan
caus
one c
with
think
dishe
avoid
a few
As:
vices
are t
eithe
ous c
cauti
troub
in the
one m
The l
not to
Exa
alway
the is
one i
confir
for no

Darri
light
tere

ainly
more
or in
growi
ng ch
ainly
brood
witho
Mos
canni
the vi
pearan
condit
At
due to
may c
but o
tho th

If e
any or
fineme
develo
given
alway
ts get
been t
then a
becom
ined.
to lots

R
late
con
rock
cem
posi
geth
leav



- Overcrowding plus
- Toe picking plus
- Feather pulling equal
- Cannibalism

Keeping Chicks Busy Avoids Costly Trouble

By TOM AVERY, Department of Poultry Husbandry, Kansas State College

HAVE you ever had "bad luck" with your baby chicks? If not, you are an exceptional individual. Because nearly every poultryman has had one of those years when he is plagued with just about every trouble he can think of plus a few more. It is a thoroly disheartening experience and one to be avoided if possible. Let's take a look at a few difficulties one may encounter.

Aside from crowding, most common vices encountered in brooding chicks are toe picking and feather pulling, either of which may develop into serious cannibalism. It requires extra precaution to avoid getting some of these troubles started. But that is only a drop in the bucket as compared to the effort one must put forth to get them stopped. The labor, financial loss, and worry are not to be taken lightly.

Exact cause of many troubles is not always easy to locate. But whatever the immediate cause, the underlying one is crowded quarters or too-close confinement with lack of opportunity for normal exercise or activity. It cer-

less when confined, and as a result, start picking each other. Once it starts, drastic measures must be taken at once if one is to prevent heavy loss.

Naturally the best thing to do is give them free range. But if that is not possible, then keep them busy. Shake down the feeders frequently. Some people prefer to give them a rather coarsely ground mash so they will be kept busy picking out particles of grain.

Darkening the room is helpful. Any light should be concentrated on feeders and waterers, and not on the main portion of the house. If electric current is available, then use a light bulb that is painted red and exclude all other light. Reflectors to concentrate the light on the feeders and waterers are recommended.

Try Green Feed

Forcing chicks to scratch for grain in litter, or hanging green feed in bunches on the walls, will help keep them occupied.

Slow-feathering strains of heavy breeds, and some of the more nervous of the light breeds, are most likely to start picking. Any chick showing signs of blood should be removed from the group immediately. Various anti-pick compounds are on the market and if properly applied, are usually helpful; however, they will be much more effective if the source of trouble is corrected. If your chicks have less than 1/2 square feet of brooder house space per bird, then you can consider yourself lucky if you get by without an outbreak.

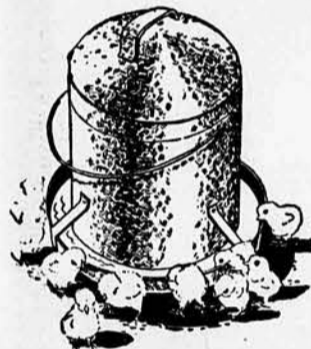
Cannibalism among chicks reared in battery brooders can be controlled almost entirely by keeping the surroundings in a semidarkened condition.

Chicks must be taught to spread themselves out in a circle about the brooder stove canopy at night if subsequent piling is to be avoided. A little patience right at dusk for the first few evenings will save considerable work, worry, and grief later. It is almost impossible to keep chicks from bunching later if the habit is acquired the first few nights. Encircling the brooder stove a couple of feet out from the edge of the canopy with a strip of cardboard or hardware cloth will help to keep them from wandering too far away. The circle should be enlarged after the second day until by the seventh day it may be removed entirely.

Largest Chicks Smother

A vice usually brought on by incorrect temperature is crowding into corners. Here the danger lies in piling and suffocation. If chicks are too cold they crowd together to keep warm. It usually is the largest and most vigorous chicks that smother. This may be attributed to the fact that, because they are stronger, they were able to work their way into the center of the pile. Drafts in the brooder house may cause the same sort of trouble.

Encouraging chicks to roost as early as possible is not only good management, but will quickly correct any troubles from piling.



Darkening the room may help. Any light should focus on feeders and waterers.

tainly is true these vices are much more prevalent in flocks reared indoors or in limited quarters than in flocks grown by the free-range method. Brooding chicks by artificial means is certainly an improvement over natural brooding, but artificial brooding is not without its pitfalls.

Most vicious of all chick vices is cannibalism. It is most perplexing of the vices because it may make its appearance under the best of brooding conditions.

At one time it was thought entirely due to lack of a balanced ration. This may contribute to its getting started, but outbreaks commonly occur even tho the ration is perfectly balanced.

Need Plenty of Room

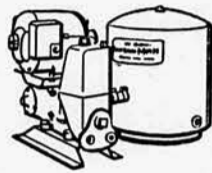
If cannibalism can be attributed to any one factor, it probably is close confinement and idleness. Seldom do chicks develop cannibalism when they are given free range; however, this is not always possible. A frequent cause for its getting started is when chicks have been turned outdoors for a few days, then a rainy or cold day comes and it becomes necessary to keep them confined. Chicks which have become used to lots of activity become very rest-

Rock City Is Unique

Rock City, in Ottawa county near Minneapolis, the county seat, is populated with almost perfect spheres with diameters exceeding 12 feet. They consist of sandstone and the geologist calls them concretions. At one time the rock in this space was a porous sandstone in which grains of sand were poorly cemented together. Underground waters circulated thru the rocks and deposited calcium carbonate in the open spaces, thereby cementing them together. In later ages, wind and water erosion swept away the looser sections, leaving round rock formations.

Complete! Compact!
Fits under your sink!

Here's a genuine Fairbanks-Morse water system big in quality but small in size. Ideal for under-sink and small utility room installations. For lifts of 22 feet or less. Comes ready to plug in and use. Only 15" head room required. Has 5-gallon pressure tank. Automatic. Self-oiling. Self-priming. Performance proved.



Quiet! Fast pumping!
One moving part!

This shallow well horizontal ejector water system delivers 500 g.p.h. Requires no oiling. Self-priming. 1/4 hp. motor. Comes complete with tank, motor, pump, pressure gauge, air volume control, foot valve, strainer, fittings connecting tank to pump, electric cord and plug. Performance proved.



We make the water system you want!

Take your water supply problems to your Fairbanks-Morse water systems dealer. He is experienced, and able to help you. And at any time, he can call upon the Fairbanks-Morse engineering staff for help with unusual problems of water supply and pumping requirements.

Shown here are four of the many types of water systems in the big Fairbanks-Morse line built for farms and farm homes.

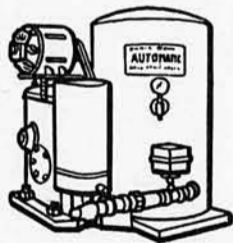
Buy from your friend and neighbor—your local Fairbanks-Morse dealer. He pays taxes locally. He supports many community projects that interest you. He banks locally, and his money is poured back into projects that make jobs for others locally. He backs his products just as Fairbanks-Morse supports him. If you don't know who in your vicinity sells Fairbanks-Morse products, we'll be glad to tell you. Write Fairbanks, Morse & Co., Chicago 5, Ill.



FAIRBANKS-MORSE,

a name worth remembering

DIESEL LOCOMOTIVES AND ENGINES • ELECTRICAL MACHINERY • PUMPS • SCALES
HOME WATER SERVICE AND HEATING EQUIPMENT • RAIL CARS • FARM MACHINERY



Must you go deep for water? Use this pump!

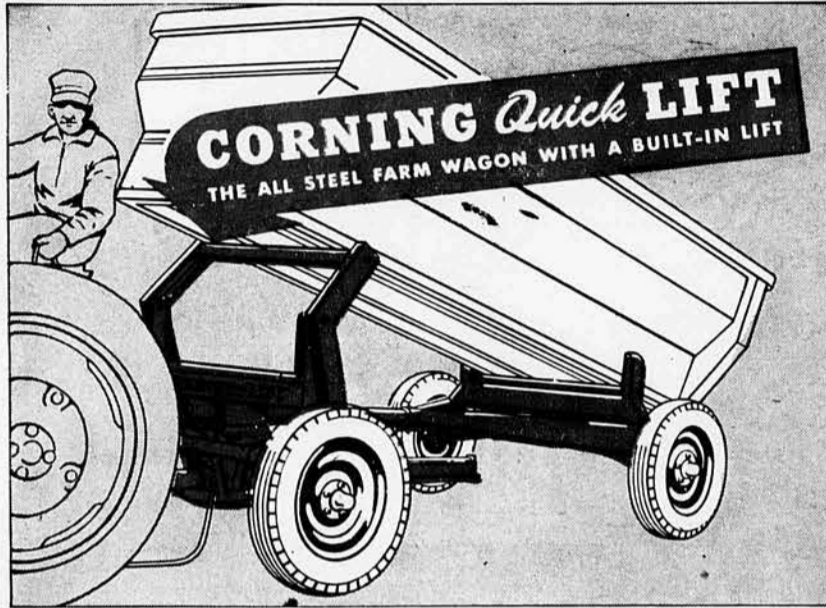
Comes in 5", 8" and 10" sizes. The 10" size will deliver up to 1600 g.p.h. against pressure to depths of 600 feet. Motor driven. Unit, as shown, comes complete with tank, pump-to-tank piping package, pump, pressure cylinder, relief valve, pressure gauge, air control and motor switch. Highly efficient. Pumps on up-stroke as well as on down stroke.

The Convertible!
One Pump!
Two Services!



You buy this one as a shallow well system. Later, should you need to go deeper for an adequate water supply, all you do is buy a conversion kit from your Fairbanks-Morse dealer at far less cost than a new deep well system, install it, and get deep well service! Available in 1/4, 1/2, 3/4 and 1 hp. models. The 1/4 hp. model will pump 400 g.p.h. at a 22-foot setting—220 g.p.h. at a 70-foot setting! You can install the Convertible over the well or away from it. Performance proved.

Introducing THE NEW FARM WAGON that LIFTS



IT GIVES DOUBLE THE SERVICE OF THE ORDINARY WAGON
Now, for the first time, you can have a Double Duty All-Steel Fifth Wheel Wagon with the amazing Corning Quick Lift Feature! And at no greater cost than any wagon of like quality.

Backed by years of careful engineering and the most grueling field tests, the Corning Quick Lift gives double the service on all hauling jobs. Handles loads of up to 8,000 lbs. and dumps anywhere, quickly and simply.

No special jack lifts, no hydraulic connections or power take-offs. No extra motor or special machinery to haul around and keep track of. Just block the rear wheels, pull the safety pin and back up the tractor. Your load is dumped with utmost ease and safety.

For greater efficiency in all hauling jobs, it's a "must" to use the unique Corning Quick Lift Wagon.

SPECIFICATIONS

- Capacity up to 8,000 lbs.
- Raises wagon box for quick, easy dumping.
- Lifting tongue has stops for holding box at 2 different angles, permitting towing of wagon at these tilts.
- Has 66" tread to allow straddling of double corn rows. Trails in tractor wheel path.
- Equipped with Timken tapered bearings and 16" all-steel wheels, using 600 x 16 tires.
- Fifth wheel steer for complete turn and flexibility of control.



The Corning Quick Lift Wagon is recommended for a hundred and one hauling or dumping jobs. Operates with greater ease and economy than any other farm wagon. The most practical, efficient, durable and versatile wagon on the market today.

Order your Corning Quick Lift Wagon Now! If your Implement or Hardware Dealer does not have them, write us today for the name of your nearest supplier.



PLEASE SEND ME COMPLETE INFORMATION ON THE NEW CORNING QUICK LIFT WAGON

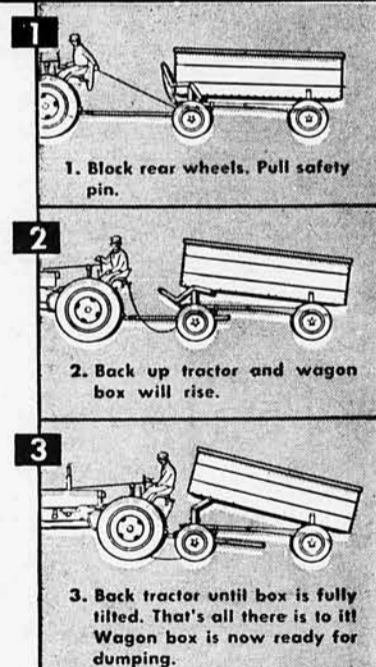
When you think of wagons think of—

NEW MONARCH MACHINE & STAMPING CO.
DES MOINES Dept. KF IOWA, U.S.A.

Name _____
Address _____
City _____ State _____

THE FARM WAGON WITH A BUILT-IN LIFT

How the CORNING Quick LIFT WAGON works



Fifth in series of articles Kansas Farmer promised on "Where We Have Been, Where We Are Now, and Where We Are Going in Agriculture."

Great Changes in Farm Crops

By A. L. CLAPP, Agronomist, Kansas State College

THERE is no major farm-crop variety grown on Kansas farms today that was prominent in 1900. This fact emphasizes the improvement that has been made in farm crops during the last few decades.

Without such improvement it is doubtful whether Kansas agriculture could have gained the prominence it has today. Plant breeders, seed growers, seed distributors and farmers have been alert, aggressive and co-operative in developing and adopting new and improved crop varieties. These changes have done much to make Kansas agriculture famous.

Turkey Had Many Weaknesses

At the beginning of this century, Turkey was the principal wheat variety grown in Kansas. Altho honored beyond all others because of its part in making Kansas a wheat state, it is recognized today as having many weaknesses. Compared to Pawnee, Comanche, Wichita and Triumph, Turkey is late in maturity, often is subject to severe lodging because of weak straw, and is susceptible to damage from leaf rust, stem rust and Hessian fly.

Oats Got in Trouble

Principal oats variety in 1900 was Red Rustproof, commonly called Red Texas. It made a good yield when planted early, but its slow development and late maturity brought many crop failures when weather prevented early planting. Kanota, a selection from Fulghum, was distributed in 1921 and by 1939 comprised 75 per cent of the oats acreage of Kansas.

Both Red Texas and Kanota had weak straw and lodged badly if not cut while straw was still green. Loss from lodging was kept at a minimum as long as binder harvesting was used, but it increased rapidly as the combine became the principal small-grain harvester. Susceptibility to both stem rust and crown or leaf rust caused serious losses to all oats varieties grown in Kansas until recent years.

Remember Crook-neck Milos?

Main grain sorghums in 1900 were tall-growing, crook-neck milos of Southwestern Kansas, and kafirs of the central and eastern sections. These were high-yielding varieties when growing conditions were good. The laborious task of binding, shocking, heading and threshing these types of grain sorghums limited acreage that could be handled per man to a fraction of the present possibility.

Best forage sorghums grown at the beginning of the century in Central

and Eastern Kansas were Folger, Colman and Collier, according to recommendations in the 1900 report of the Kansas State Board of Agriculture. These varieties produced a forage of good quality, high in sugar content, but were difficult to harvest because of the lodged, tangled condition often present at harvest.

Fifty years ago Black Amber and related types were the principal varieties of forage sorghum grown in the western half of Kansas. These varieties were dependable and were the salvation of sturdy pioneers sorely pressed for roughage feed that could supplement native grasses. These older varieties always germinated well and volunteered freely because their seed was almost wholly covered by glumes. The bitter, astringent quality of the seed was annoying to farmers in that if too much of it was present in the roughage crop, milk production would often drop to low levels in dairy herds. Forage of Black Amber soon soured and lost its palatability when shocked or stacked. There was then, plenty of opportunity for improvement in the sorghums of 1900.

Big Change in Sorghums

One of the really great changes in crop production in Kansas was caused by introduction of the low-growing, so-called combine sorghum varieties. Ease of harvesting these varieties has caused rapid reductions in milo and kafir acreages, and their replacement with Wheatland, Westland, Colby, Martin, Midland and other combine types.

Corn Had to Change

Early settlers in Kansas had been accustomed to growing corn before coming to Kansas. The many late-maturing varieties they brought needed to go thru a long period of selection before well-adapted varieties such as Pride of Saline, Midland, Hays Golden, Freed White and selected Reids were available. All open-pollinated varieties lodged badly and presented difficult harvest problems, especially when mechanical pickers were used.

Crops That Lost Out

Other crops that received attention in 1900 were spring wheat, buckwheat, castor beans, cotton and hemp. These were so poorly adapted to the climatic conditions in Kansas they could not compete with improved varieties of wheat, oats, corn and sorghums.

A Big Wheat Increase

Major shifts in crop production during the last 50 years have caused defi-

(Continued on Page 13)



WESTLAND, a milo disease-resistant, combine grain sorghum. This field planted in 14-inch rows, irrigated, made a yield of 113 bushels an acre in Hamilton county.



TRACTOR

Kansas Dealers

- ABILENE—Ceuse Tractor Co.
- ANTHONY—Williams Tractor Co.
- ASHLAND—Fellers Motor Co.
- ATCHISON—Touslee Tract. & Impl. Co.
- BELLEVILLE—Rooney Impl. Co.
- BELOIT—Fuller Equip. Co.
- CIMARRON—Layman Farm Supply
- CLYDE—Feight Farm Equip. Co.
- COLBY—Northwest Distr. Co.
- COLDWATER—Coldwater Motor Co.
- COUNCIL GROVE—Wood-Riley Impl. Co.
- DENTON—Whitmore Tr. & Imp. Co.
- DIGHTON—Welch Motors
- DODGE CITY—Ark. Valley Impl. Co.
- EL DORADO—McClure Tractor & Impl. Co.
- ELLSWORTH—Johnson Farm Equip. Co.
- EMPORIA—Owens Tractor & Impl. Co.
- EUREKA—Bush Tractor & Impl. Co.
- FLORENCE—Roberts Machinery Co.
- GARDEN CITY—Burtis-Nunn Impl. Co., Inc.
- GRAINFIELD—Shaw Motor Co.
- GREENLEAF—Nelson Bros. Mach. Co.
- GREAT BEND—Shumacher Farm Equip. Co.
- GREENSBURG—Gupton Motor Co.
- HADDAM—Rooney Motor Co.
- HAYS—Drelling Impl. Co.
- HIAWATHA—Rite Way Farm Equip. Co.
- HILL CITY—Lewis Motor Co., Inc.
- HOISINGTON—Robbins Equip. Co.
- HOLTON—Bottenberg Impl. Co.
- HOWARD—Bryan Tractor & Impl. Co.
- HUGOTON—Hugoton Tract. & Impl. Co.
- HUTCHINSON—Chas. A. Rayl Impl. Co.
- JAMESTOWN—Elniff Motor Co.
- KINGMAN—Staley Tractor Co.
- KINSLEY—Walters Tractor & Impl. Co.
- KIOWA—Eawson Tractor & Impl. Co.
- LaCROSSE—Luft Implements
- LARNED—Twin Feed Machinery Co.
- LAWRENCE—Bigsby-Banning Tractor & Impl. Co.
- LEAVENWORTH—Boling Tractor & Impl. Co.
- LEONARDVILLE—John Stafford Motor Co.
- LIBERAL—Southwest Tractor & Impl. Co.
- LINCOLN—J. G. Miller Motor Co.
- LUCAS—Lucas Equip. Co.
- LYONS—G. C. Schumacher Impl. Co.
- MANHATTAN—Saroif Tractor & Impl. Co., Inc.
- McPHERSON—Callendo Tract. & Impl. Co., Inc.
- MARION—Midwest Tract. Sales & Serv.
- MARYSVILLE—Anderson-Boss Impl. Co.
- MEADE—Wolfe Motor Co.
- MEDICINE LODGE—Sprout Tractor & Impl. Co.
- NESS CITY—Roth Beutler Tractor Co.
- NEWTON—Astile Implement Co.
- NORTON—Bennett Motor Co.
- OAKLEY—Shaw Impl. Co.
- OBERLIN—Kump Motor Co.
- OLATHE—Perrin Machinery Co.
- ONAGA—Wentz Tractor & Impl. Co.
- OSAGE CITY—Osage Motors, Inc.
- OSBORNE—McCammon Tract. & Impl. Co.
- OTTAWA—Price Impl. Co.
- PAOLA—Tom Crawford Tractor & Impl. Co.
- PLAINVILLE—Plainville Impl. Co.
- PRATT—Rollmann Tractor & Equip. Co., Inc.
- RUSSELL—Russell Tractor & Impl. Co.
- SALINA—Kansas Tractor Sales Co.
- SEDAN—Wall Tractor & Equip. Co.
- SENECA—Wentz Farm Supply
- SMITH CENTER—Jones Tractor Sales & Service
- TESCOTT—Miller Motor Co.
- TONGANOXIE—Laming Tractor & Impl. Co.
- TOPEKA—Shawnee Tractor & Impl. Co.
- VALLEY FALLS—The Modern Tractor & Impl. Co.
- WAKEENEY—Midwest Marketing Co.
- WAKEFIELD—Brougher Tract. & Impl. Co.
- WAMEGO—Wamego Tract. & Impl. Co.
- WASHINGTON—Bill Seitz Imp. Co.
- WELLINGTON—Sumner County Tract. & Impl. Co.
- WICHITA—Taylor Tractor Co.
- WINFIELD—Stuber Tractor & Impl. Co.

K C TRACTOR & IMPLEMENT CO., Inc.

1340 Burlington, N. Kansas City, Mo.
Distributor for Kansas



FARM EQUIPMENT

nite changes in the agricultural economics of Kansas. Wheat acreage in Kansas has increased from 4 or 5 million acres at the beginning of the century to between 14 and 15 million in recent years. This increase occurred mostly in Western Kansas, while acreage in central and eastern sections remained practically stable.

Plant Less Corn Now

Corn acreage dropped from about 7½ million to about 2½ million acres from 1900 to 1950. Greatest decline occurred during the 3 years 1934 to 1936. Acreage has remained nearly constant since that time. Corn yields in Kansas averaged 5.5 bushels an acre from 1934 to 1936. These low yields caused many farmers to replace corn with wheat and sorghums. From 1935 to 1938 wheat acreage increased from slightly less than 7 million to more than 14 million acres.

Oats, a crop that is used primarily as a farm feed crop and recognized as a low-value cash crop, has remained nearly constant in acreage during the last 50 years.

Crops We Now Grow

We have examined briefly crop varieties grown in Kansas about 1900 and have noted some important crop changes occurring since that time. This leads naturally to a discussion of major crops grown in Kansas at present.

Probably one of the most significant changes in crop varieties during the last 50 years has been development of wheat varieties outstandingly better than Turkey.

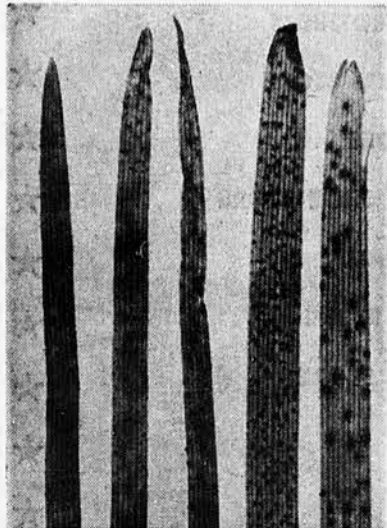
Acceptance of these varieties is evidence of their farm value. The acreage of wheat planted to Turkey in Kansas dropped from 82.3 per cent in 1919 to 1.7 per cent in 1949. This reduction in acreage of Turkey wheat was largely replaced by 5 new varieties—Pawnee, Comanche, Tenmarq, Wichita and Triumph—which comprised 80 per cent of the Kansas wheat acreage in 1949. Factors that caused this revolutionary change in varieties included higher yield, higher test weight, stronger straw, more disease and insect resistance and earlier maturity.

Yield advantage of the best-adapted wheat variety, when compared to Turkey at the several experiment stations and experiment fields in Kansas, shows an improvement in yield of 54 per cent at Manhattan, 29 per cent at Hays, 35 per cent at Garden City, 20 per cent at Colby, 22 per cent at Tribune, 30 per cent at Wichita, 35 per cent at Hutchinson, 20 per cent at Kingman, 27 per cent at Dodge City and 32 per cent at Meade. These results show farmers of Kansas can now produce one third or about 30 million bushels more wheat annually than they could on the same acreage with the old-time wheats.

Victoria Blight Showed Up

Problems presented themselves in rapid succession when damage, caused by weak straw and rust on Red Texas and Kanota oats, were emphasized by delayed harvesting made necessary by the combine. There was, however, promise of solution of this problem when Victoria, a crown-rust-resistant variety, was discovered in the cereal breeding nursery at Manhattan in 1929. From this discovery came Osage and

(Continued on Page 40)



LEAF RUST reduces size of wheat kernels causing lower yields. The 5 wheat leaves above show difference in leaf-rust reaction. Breeders are trying to get varieties with the high degree of resistance as shown on the right.



**For
FASTER, CLEANER
CROP GATHERING**

Good harvesting equipment...Dearborn Equipment...can make the difference between a loss and a profit on a year's work, or between an ordinary profit and an extra good profit. Let the Ford Tractor dealer near you prove this.

**DEARBORN-WOOD BROS. COMBINE
for All Combinable Crops**

Here's a six-footer that really makes speed, thus giving it the capacity of a larger combine. It's fast because of its straight-through balanced design and its walker type straw rack with more capacity than that of some twelve-foot combines! No wonder you get crops in faster!

Wheat, oats, barley, soy beans . . . any combinable crop at all—including smallest clover and grass seed—grades better, feeds better, sows better or sells better if it comes out of a Dearborn-Wood Bros. Combine. Has its own efficient Ford engine. Use it with the Ford Tractor or any other full two-plow tractor and see for yourself.

DEARBORN MOTORS CORPORATION • DETROIT 3, MICHIGAN



**New Dearborn Heavy Duty
Side Delivery Rake**

Quickly attached to Ford Tractor, built to operate at tractor speeds. Full floating reel, lifted and lowered by Ford Tractor Hydraulic Touch Control, assures clean raking and well formed windrows.



**New Dearborn Rear
Attached Mower**

Here's a fully mounted mower, with all the mounted advantages of fast, sharp turning and easy backing, plus effortless lifting and lowering of the cutter bar by Ford Tractor Hydraulic Touch Control.

**Dearborn-Wood Bros.
Corn Picker**

Many great features combine to pick fields cleaner and faster and to deliver cleaner corn to the wagon. Where it is not necessary to husk corn, you can't beat the Dearborn-Wood Bros. Corn Snapper.



**Ask your Ford Tractor dealer
for a demonstration**

Your nearby, friendly Ford Tractor dealer will be glad to show and demonstrate for you the many features of Dearborn Harvesting Equipment. See him, too, for expert service and genuine parts.



MEANS LESS WORK...
MORE INCOME PER ACRE

rest your feet while you work!



RESILIENT HEEL CUSHION
CUSHION ARCH SUPPORT
METATARSAL ARCH CUSHION

STAR BRAND
FREEMOLD
WORK SHOES



This sturdily constructed STAR BRAND FREEMOLD work shoe is specially designed for on-the-job comfort! Its 3-way, built-in cushions absorb the shock of pounding steps instead of your feet! They make long hours on the job far less fatiguing! And this is only one of many types of STAR BRAND work shoes. No matter what kind of work you do, there's a STAR BRAND work shoe specially designed for your job. Every pair is built to give you the most for your money in easy-going comfort and extra long wear!

Fine Goodyear Welt Construction

- #122 Brown Glove Cowhide with Leather soles
- #133 Brown Glove Cowhide with non-slip Cork soles
- #152 Black Glove Cowhide with Corded soles

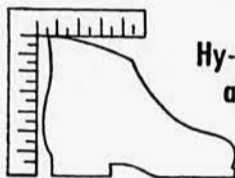
Here's why STAR BRAND FREEMOLDS really wear comfortably!

(The shoe shown above... and many other STAR BRANDS have these features)



one-piece LEATHER BACK!

This smooth, seamless back fits like a glove—no bulky seams to bind, rub your heels and ankles.



Hy-Lo cut at top!

Slanted top permits shoe to be laced all the way up without discomfort. You can stoop or bend at work... comfortably!



arch rest STEEL SHANK!

Made of spring steel, this shank is built into the shoe; provides support and comfort to the feet!

All Star Brand Work Shoes are made of GENUINE COWHIDE—the ideal work shoe leather!

Roberts, Johnson & Rand DIVISION OF INTERNATIONAL SHOE COMPANY, ST. LOUIS, MO.

You can buy STAR BRAND WORK SHOES all over KANSAS including these stores:

- Anthony BYRON L. MEADOR
- Atwood WILLIAMS BROS.
- Augusta LARSONS SHOE STORE
- Colby PADEN'S
- Eldorado WILEY & McCALL
- Eureka GRIGGS SHOE STORE
- Herington VERN DEATRICK
- Hutchinson AUG. OLSON
- Independence FAMILY SHOE STORE
- Iola BRADY SHOE STORE

- Kingman PARK RAY CLOTHIERS
- Liberal NU STYLE SHOE STORE
- Manhattan KIMSEY'S SHOES
- Marion SCHONEMAN SHOE STORE
- Newton WILEY & McCALL
- Oakley DON'S SHOE STORE
- Parsons BRADY SHOE STORE
- Pratt W. W. VIRTUE CO.
- Wichita W. W. VIRTUE CO.



Try a pair...you'll agree STAR BRAND WORK SHOES are better!

How Many Dams?

(Continued from Page 6)

highway commission; state corporation commission; state geological survey; state industrial development commission; department of agronomy, Kansas State College; state forestry, fish and game commission; and the division of sanitation, state board of health. Everybody seems to be represented on this advisory committee except the farmer who, in many cases, is the most vitally interested of all because loss of his farm may depend on whether some dam is built.

Cause for Complaint

Farmers think they have a sound cause for complaint on this point, and the Kansas Soil Conservation and Flood Control Association is making an effort to get a dirt farmer on this advisory committee. To do so will mean getting the next legislature to amend the resolution setting up membership for the committee.

One thing that makes farmers boil is the method used by engineers to figure the "benefits" against "costs" on flood-control projects in order to get a favorable picture. Engineers no longer have to make each project stand on its own feet. Under the law all they have to do is show that all the planned flood-control projects in any one area will return more benefits than they cost.

In figuring costs, engineers are not required to consider loss in farm production for areas put under water, or loss in taxes. This is a sore point with farmers. It is the opinion of farmers questioning flood-control projects that there should be a check into all the economic effects of each project before it is authorized by Congress.

Can Claim Benefits Anywhere

The Kansas State Board of Agriculture (water resources division) has been asked to set up a fund for such checks. But all this board can do is to check the effect locally. The board isn't authorized and can't afford to check the effects that extend beyond state borders. On the other hand, Army engineers can claim benefits anywhere along the stream below the reservoir site. Let us give you an example:

In figuring benefits for the Pomona, Melvern and Garnett reservoirs (the first 2 on the Marais des Cygne, or Osage, river) the Army engineers claim the following annual average benefits: Flood control—agricultural lands, \$619,800; highways, \$6,800; railways, \$29,700; Ottawa city, \$68,000; Oswatimie city, \$14,100; reduction of loss in one flood greater than any of record, \$49,800; land enhancement, \$107,400; Osage river (state line to mouth Missouri river, below mouth of Osage), \$89,300; Mississippi river (below mouth of Missouri river), \$152,800.

Conservation benefits—Pollution abatement and water supply, \$82,500; fish and wildlife resources, \$29,200.

Just look over that list carefully, then ask yourself 2 questions: How did engineers arrive at those exact figures? How could you get enough information to dispute them?

Some of these benefits as claimed by Army engineers seem ridiculous, but they are the only actual figures ever

(Continued on Page 15)

June Field Day

Agronomy Field Day at Kansas State College this year will be held in 2 shifts—June 5 and 6—it is announced by H. E. Myers, head of the department of agronomy. On each day the Field Day will start at 1:30 p.m. at the Agronomy Farm headquarters, Manhattan.

"We split the event into 2 days because of the large crowds the last 2 years," says Doctor Myers. "Altho there is no hard and fast rule on attendance, we especially want folks from Johnson, Douglas, Shawnee, Wabaunsee, Geary, Dickinson, Saline, and Lincoln, and north thereof, on Monday, June 5, and all others on Tuesday, June 6.

"However," he adds, "come on the day most convenient for you."

presented to Congress when projects are being considered for action. You can see that Kansas engineers could not go to Mississippi to check benefits claimed by the Army engineers.

But, don't blame everything on the Army engineers, either. Remember, they are doing what they have been asked to do by people who are suffering from floods. They are supported vigorously before Congressional committees by farmers, city governments, and others who are or think they are being damaged by floods. And it is a fact to be faced, that more people below a proposed dam are affected by the control of floodwaters than there are people above the dam whose land must be sacrificed.

The proposed Tuttle Creek project is a good example. The city of Kansas City, representing more than half a million folks, recently offered to donate 1 million dollars of its allotted flood-control money toward starting the Tuttle Creek project (near Manhattan). The folks in Kansas City are not concerned that some 3,000 families in the Tuttle Creek reservoir area would lose their homes and farms.

Engineers Have Complaints

While folks generally gripe about the Army engineers and their big plans, the engineers have some complaints, too. They say farmers sometimes jump to uncalled-for conclusions when they hear about flood-control dams. One common mistake farmers make, say the engineers, is to think all the acres listed in a reservoir area will be covered with water all the time and will be useless for crop production.

At present, none of the Kansas reservoirs has been in operation long enough to give us a picture, so we got the water resources division to tell us what would have happened in the Strawn reservoir in Lyon and Coffey counties had it been in operation for a long period.

This is not too difficult since the water resources division has flood and water level records at the Strawn reservoir site that go back to 1918. Here are the facts on farm land flooding in the reservoir area had the Strawn reservoir been in operation during the period 1918 to 1948:

Of the 24,200 acres in the reservoir, 4,200 acres could have been farmed 70 per cent of the time, 9,200 acres were open 55 per cent of the time, and 17,300 acres could have been farmed 30 per cent of the time.

Are Losses Exaggerated?

Another point sometimes exaggerated, engineers say, is claimed losses of local taxes due to land in the reservoir being taken off the tax rolls. The only large reservoirs where this complaint can be checked in Kansas are the Kanopolis reservoir, near Ellsworth, and the Fall River reservoir, in Greenwood county. Government-owned farm land in these 2 reservoirs (and all others) is leased out to farmers and 75 per cent of the receipts turned over (by law) to the local tax units.

Engineers in charge of these reservoirs report that to date the lease money turned over to local tax units has been more than twice the annual taxes collected on the same land in previous years. At the same time, the state does lose out on taxes and farmers might reasonably claim there are many intangible losses to a community when a large project displaces many families. More consideration needs to be given to finding out and publicizing what these intangible losses are.

So, there you have a picture of the over-all flood-control plan for Kansas and some of its pros and cons.



"I didn't say a thing when you gave all that money for income taxes, did I?"

I CHOSE
WEEDONE
BRUSH KILLER 32
BECAUSE OF ITS
LOW VOLATILITY
AND
GREATER KILLING POWER

There's nothing like it. It contains the butoxy ethanol ester of 2,4-D and 2,4,5-T, and kills where you aim it - vapors do not injure susceptible plants nearby.



Yes, you can spray close to beans, cotton, tomatoes and the like—for all practical purposes it is non-volatile.



KILLS OVER 100 WOODY PLANTS

This butoxy ethanol ester formulation gave a spectacular kill in '49 on the brambles (blackberry, raspberry, etc.), poison ivy, poison oak, certain species of oaks and pines, wild rose, osage orange, willows, wild cherry, hickory, buckbrush, sagebrush, elderberry, coralberry, honeysuckle and many other woody plants, as well as thistles, knapweed and other perennial weeds.

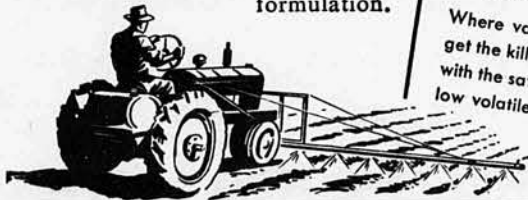
SPRAY NOW. Clear pastures of bramble and brush patches, and get a permanent stand of grass your livestock can eat.

Clear irrigation ditches of choking weeds.

Clear fence rows, bottom land and roadsides of brush that robs nearby crops of moisture and plant food, while giving shelter to harmful insects.

ALSO AVAILABLE—FOR SPECIAL BRUSH PROBLEMS WEEDONE 2,4,5-T

Contains 4 lbs. 2,4,5-T acid per gallon. Another great butoxy ethanol ester formulation.



CONTROL WEEDS IN CROPS WEEDONE LV-4
Contains 4 lbs. 2,4-D acid per gallon

A new butoxy ethanol ester formulation for killing weeds in corn and small grains.

Where vapor damage is a problem, get the killing advantages of an ester with the safety of this more effective, low volatile butoxy ethanol ester.

See your dealer for full information. Or write to us direct for free bulletins.

AMERICAN CHEMICAL PAINT CO. • AMBLER, PA.

ORIGINATORS OF 2,4-D AND 2,4,5-T WEED KILLERS

THE RIGHT WEED KILLER FOR EVERY PURPOSE

WEEDONE CONCENTRATE 48

The ethyl ester formulation. Contains 3 lbs. 2,4-D acid per gallon. The world's No. 1 selective 2,4-D weed killer for use in corn, sorghum, small grains and other resistant crops. Consistently more effective than salt formulations in treating perennial weeds and annuals in late stages of growth, during dry weather and under other adverse conditions. Mixes with any quantity of water or oil for ground or airplane application.

WEEDAR 64

An amine salt formulation containing 4 lbs. 2,4-D acid per gallon. Completely soluble in water. Will not clog nozzles.

WEEDONE CRABGRASS KILLER

A new non-poisonous crabgrass killer. For use in pastures, golf courses, parks, cemeteries and other turf areas. No toxic effect on soil. Will not kill clover, bluegrass, fescue or other deep-rooted perennial grasses.

ACP GRASS KILLER (TCA 90%)

A new grass killer, offering effective control of certain noxious grasses in crop land, pastures, irrigation and drainage ditches, roadsides, fence rows and rights-of-way. Also for controlling perennial grasses such as Johnson, quack, Bermuda and para. Lower dosages will suppress both annual and perennial grasses, such as crabgrass, foxtail, chess, bluegrass and red top, leaving a grass cover where desired.

OTHER ACP PRODUCTS

TUBERTONE

Applied at planting time. Increases number of U.S. No. 1 potatoes.

DORMATONE

Hormone sprout inhibitor. Prevents sprouting of potatoes and other root crops in storage.

FRUITONE

The hormone spray. Stops premature drop of apples and pears.

ROOTONE

The plant hormone powder. Increases rooting of cuttings, seeds and bulbs.

TRANSPLANTONE

The hormone-vitamin powder for stimulating roots in transplanting. Use on vegetable plants, flowers and shrubs.

TOMATOTONE

For improving set of field tomatoes. Pick ripe tomatoes one to three weeks earlier.

PENTADINE

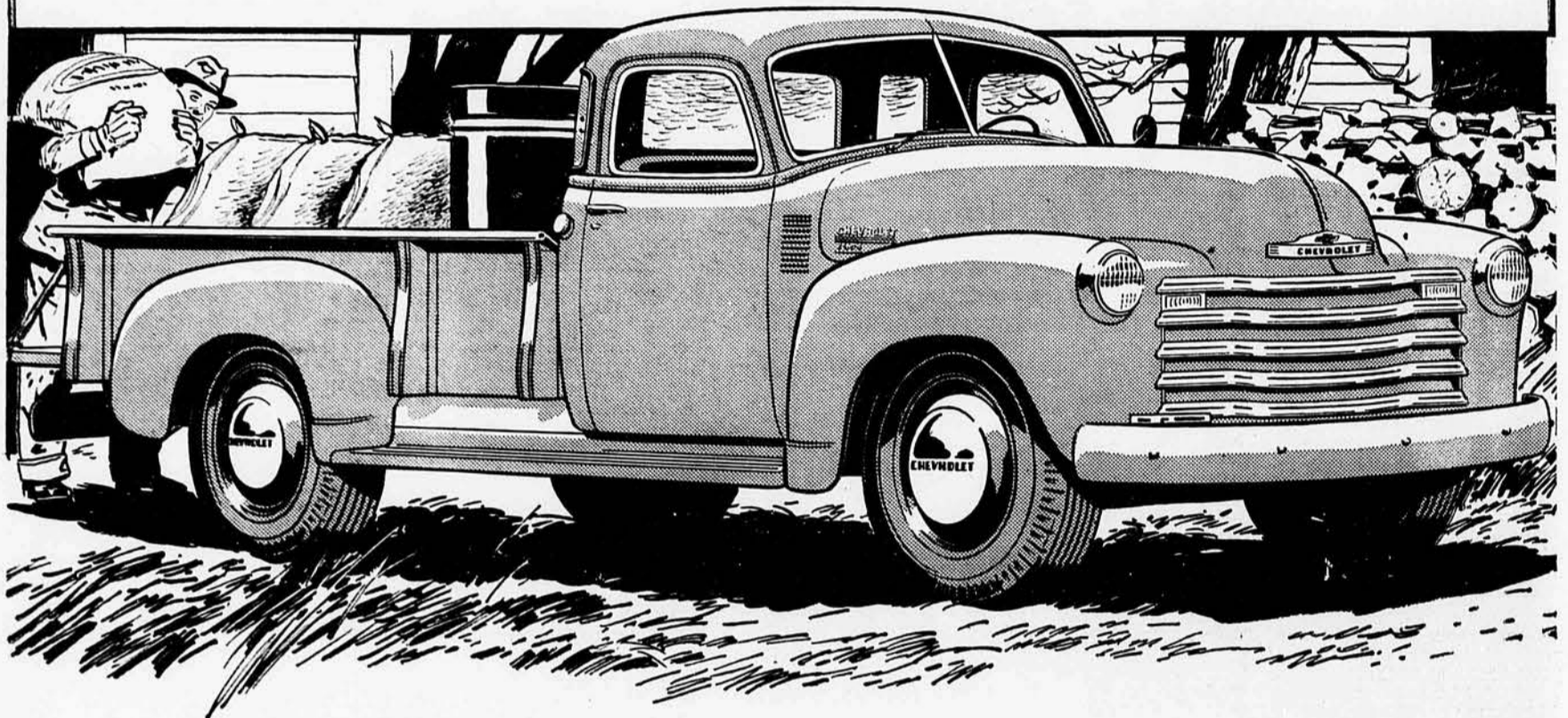
Wood preservative. For control of decay and termite infestation of wood products.

The Line We Chose To Distribute After Trying Many Others In Our Own Seed Growing.
PEPPARD SEED COMPANY
KANSAS CITY, MO.

Also See Your Peppard Seed Dealer For Peppard's Perfected Field Sprayers!

WEEDONE
2,4-D PRODUCTS

MORE POWER *than ever!*
GREATER VALUE *than ever!*



Who Works Harder Than a Farmer?

What Works Harder Than a Chevrolet Truck?

Chevrolet P-L trucks were built to work. With the most powerful engines ever built by Chevrolet, they have what it takes to handle your hauling jobs—faster, better.

Chevrolet P-L trucks are built to last. Their advance design and sturdy construction take tough loads and the roughest roads.

Chevrolet P-L trucks are far ahead. Check them for payload, performance, popularity, price. They are far ahead in every feature that matters to farmers.

Chevrolet P-L trucks are better than ever. Always powerful, always a buy, now they give you more power and greater value than ever.

CHEVROLET MOTOR DIVISION, General Motors Corporation, DETROIT 2, MICHIGAN



P*L*

ADVANCE-DESIGN TRUCKS

P* Payload **L*** Leaders

For low operating costs per ton mile, smart buyers choose Chevrolet P-L trucks. They are advance designed to cut running and repair costs. Their rugged construction lets you deliver the goods with real reductions in operating expense.

P* Performance **L*** Leaders

On the hills or on the straightaway, the efficient new Chevrolet P-L trucks are far ahead in performance. They give you high pulling power over a wide range of usable road speeds—and high acceleration to cut down total trip time.

P* Popularity **L*** Leaders

In every postwar year truck customers have bought more Chevrolets than any other make of truck—convincing proof of the owner satisfaction they have earned through the years—proof that Chevrolet is America's most wanted truck.

P* Price **L*** Leaders

From low selling price to high resale value, you're money ahead with Chevrolet trucks. Chevrolet's rock-bottom initial cost—outstandingly low cost of operation and upkeep—and high trade-in value, all add up to the lowest price for you.

Plus all these Plus features: TWO GREAT VALVE-IN-HEAD ENGINES: the new 105-h.p. Load-Master and the improved 92-h.p. Thrift-Master—to give you greater power per gallon, lower cost per load • THE NEW POWER-JET CARBURETOR: smoother, quicker acceleration response • DIAPHRAGM SPRING CLUTCH for easy action engagement • SYNCHRO-MESH TRANSMISSIONS for fast, smooth shifting • HYPOID REAR AXLES—5 times more durable than spiral bevel type • DOUBLE-ARTICULATED BRAKES—for complete driver control • WIDE-BASE WHEELS for increased tire mileage • ADVANCE-DESIGN STYLING with the "Cab that Breathes" • BALL-TYPE STEERING for easier handling • UNIT-DESIGN BODIES—precision built.

Kansas Farmer Scholarships to Neosho, Shawnee Counties



Harlan G. Copeland
Neosho County



Loretha Allen
Shawnee County

LORETHA ALLEN, Shawnee county, and **HARLAN GENE COPELAND**, Neosho county, have been awarded \$150 scholarships by Senator Arthur Capper thru *Kansas Farmer*, to be used at Kansas State College, announces J. Harold Johnson, state club leader. These awards are for outstanding leadership in 4-H Club work. This is the 18th consecutive year Senator Capper has made such awards.

Loretha Allen, 18, Berryton, a member of the Williams 4-H Club, has completed 4 years of club work and 24 projects including junior leadership, clothing, food preparation, food preservation, beef and garden. She entered 6 judging contests, 3 dress revues and 8 demonstrations. Total value of her projects amounts to \$1,438.56. Loretha was president of her club 3 years and held other offices; she was president of the County 4-H Council, also vice-president, secretary and treasurer. Loretha has given 24 talks promoting 4-H Club work.

The Williams 4-H Club is beautifying the schoolyard by setting out trees and bushes. And members have tested water from 12 wells as a community service and as part of their health program.

Harlan G. Copeland, 19, Erie, a member of the Lucky 13 4-H Club, has been in club work 6 years and has carried 17 projects. They include junior leadership, corn, wheat, oats, garden, sheep and beef. He served as president and reporter of the County 4-H Council, and was president, vice-president, reporter and pianist in his local club. Harlan gave 26 talks and wrote 27 news stories in promotion of 4-H Club

work. Total value of his projects is \$2,908.91. He participated in 17 judging contests, gave 12 demonstrations on the subjects of music, crops, health and grooming. He and his sister, Kathleen, won grand championship on music demonstration at Kansas State Fair in 1949. Harlan has been named county champion at various times in best-groomed boy, health, leadership and crops. He is a member of the State Who's Who 4-H Club.

No Such Thing

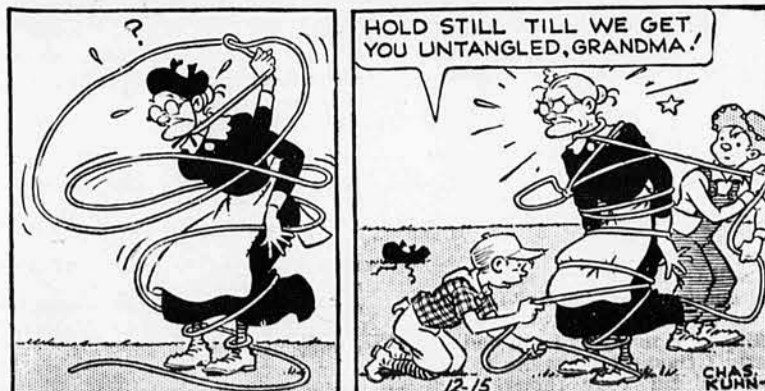
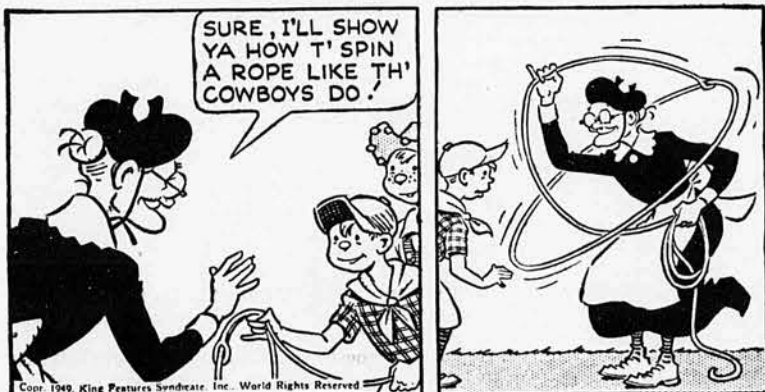
There is no such thing as a variety of corn completely resistant to either European or Southwestern corn borer, states Professor D. A. Wilbur, of the Kansas State College entomology department.

The best a farmer can do, he says, is to plant corn hybrids best adapted to his community. Some corn hybrids, he adds, may be resistant to some activities of the European corn borer, but not resistant to other borer activities.

Wheat Vote?

If this year's wheat crop is average, a referendum on wheat-marketing quotas for the 1951 crop probably will be held before planting time this fall, PMA officials believe. Possibility of wheat-marketing quotas for next year is based on figures concerning estimated supply as of July 1, estimated uses and prospective yields. Legislation provides for quotas if the total supply exceeds a normal year's domestic consumption and exports by more than 35 per cent.

GRANDMA . . . By Charles Kuhn



Mathieson



16-20-0

13-39-0

11-48-0

PELLETIZED PLANT FOODS



offer many MONEY-MAKING

ADVANTAGES to Midwestern Farmers

MATHIESON has perfected three new and improved plant foods of higher analysis—16-20-0, 13-39-0 and 11-48-0. To make these new compounds even more effective, they are processed in pellet form. Results have been outstanding on corn, oats, wheat, clover, grasses and other staple crops throughout the Middle-West. Here are a few of the many advantages that Mathieson pelletized plant foods offer farmers:

- Pellets are free-flowing — drill perfectly — provide easier, more even distribution.
- Each pellet is uniform in plant food content—no separation or segregation of ingredients because Mathieson pelletized plant foods come in real pellet form—are a compound not just a mixture.
- Pellets are completely soluble in water, hence more quickly and completely available. When used in top dressing they do not blow away.
- Mathieson pelletized plant foods contain from 36 to 59 units of plant food. ONE TON EQUALS MORE THAN TWO TONS of low analysis fertilizer—saves handling, hauling, storage, time, labor and money.

Consult your county extension representative about where these pelletized plant foods can be used to best advantage on your farm this spring. Ask your dealer about Mathieson's great new line of improved plant foods, both standard grades and higher analysis pelletized compounds. If he does not yet carry Mathieson fertilizers, write to our nearest sales office, giving your dealer's name, and we will send both you and your dealer full information.

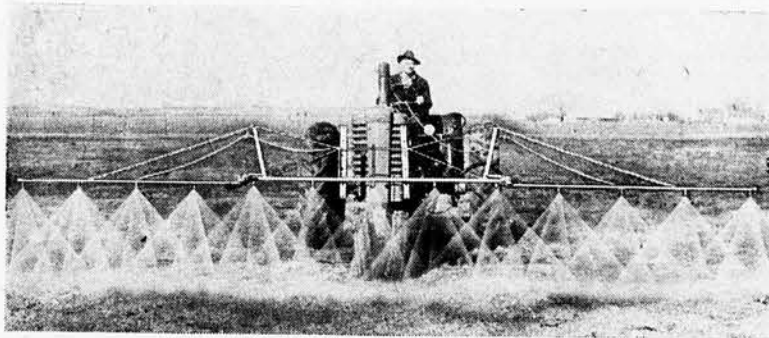
Mathieson

CHEMICALS

Serving Industry, Agriculture and Public Health

MATHIESON CHEMICAL CORPORATION

Control Weeds and Insects With A CLARK SPRAYER



Pictured above—The Clark 6-row Sprayer—Clark Mfg. Co., Atherton, Mo. Tractor mounted or trailer model. — Available 14', 20' and 30' sizes.

Farm-Proven weed and insect sprayers at prices you can afford. Clark's minute mount boom is designed for simplicity, strength and efficiency. The famous Clark triple-acting boom hinge eliminates costly breakdowns.

Rear mounted barrel racks for 1 or 2, 50-gallon barrels, leaves open vision of spray pattern and puts the weight on the large wheels, preventing miring down in soft fields.

These FARM TESTED Extras On ALL CLARK SPRAYERS

- Fold-over booms and slide mounting principle requires only a few seconds by one man.
- Your choice, new fool-proof Hypo direct drive roller pump or one inch bronze gear pump.
- 3-section all-steel boom for most efficient six 40" row coverage.
- Exclusive patented automatic boom control hinge ends obstruction worries.
- Clark's target nozzles and 4-way valve controls insure more acres per gallon.
- Both adjustable boom and extensions to drop spray jets to any level.

See your local dealer or write to:

ADDRESS INQUIRIES TO:

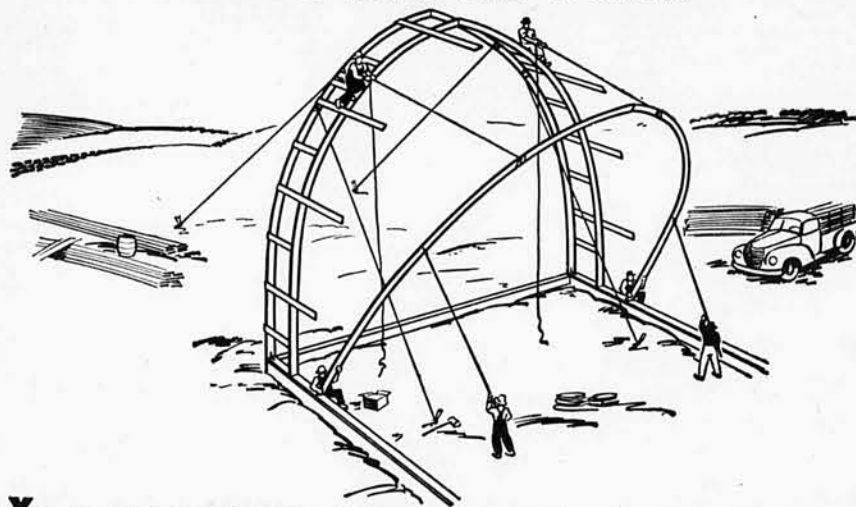
BARTELS & SHORES CHEMICAL CO.

1400 St. Louis Ave. — Kansas City, Missouri
Distributors for Kansas and Missouri

WHEN YOU BUILD YOUR BARN WITH

RILCO Rafters

WE DO HALF THE WORK!



Yes, we at Rilco do half of your barn-building work for you by making glued-laminated wood rafters that are pre-engineered and pre-fabricated for your barn—all ready to put up.

You don't waste costly man-hours measuring, sawing, fitting and nailing. Nearly half your barn building work is already done for you. Think of the time and construction money you can save. Rilco Rafters are glued-laminated fram-

ing members bonded with modern structural glues into continuous structural units without a joint from foundation to ridge. Consider the advantages of Rilco construction in building time, in strength, in permanent value before you build your barn. And remember that Rilco Rafters will help you with your other farm buildings too. For there are Rilco Rafters for every type of farm building. Insist on genuine Rilco Rafters.

RILCO

WORKS
WONDERS
WITH
WOOD

Laminated PRODUCTS, INC.

Eastern Division: Wilkes-Barre, Pa.

RILCO LAMINATED PRODUCTS, INC.

Dept. 6, P. O. Box 535, Manhattan, Kansas

Please send me information on Rilco Farm Buildings. I am interested in Machine Sheds Barns Poultry Houses Hog Houses Corn Crib and Granaries

Name _____

Address (RFD No.) _____

City _____ State _____

Thoughts TO LIVE BY

Decency

WHEN indecency seems smart and decency appears prudish, it is time to call the physician. Society is sick. This sickness, which could be unto death, has some strange symptoms. Recently a commentator praised a woman for flouting the moral law and censured her husband for trying to maintain the home. Of course, the devotees of Hollywood may revolt against their fickle deities as the Greek people did against their immoral gods. One of the great lessons of the Old Testament is that the high and mighty are bound by the same law that governs the ordinary citizen. Altho David and Ahab were kings, they were held accountable for their transgressions as any other person would be.

To be sure, decency cannot be legislated nor can morality be enforced, but decency can be praised and indecency can be discouraged. Knowing that people will do what they want to do, they can still be won for decency, for it can be set forth so attractively that the majority of people will choose it.

Consider the case that can be outlined for decency. First, put it to the test of extremes. Suppose everyone were indecent, what kind of world would we have? If everybody were immoral, how long could society endure? When the apples all become rotten, we throw them out whether they be a bushel or a carload. On the other hand, if everyone were decent, many fears would disappear. A

higher type of pleasure could be enjoyed by all. Life could go on satisfactorily in such an atmosphere.

Second, while indecency harms others and brings guilt to the transgressor, decency never hurts anyone and it saves people from the haunting memories that sometimes cause mental breakdowns. Altho sin isn't being confessed in public meetings as it once was, it is still present with us as any newspaper will reveal and its effects are just as bad as they ever were. Decency makes for freedom. Because his conscience was clear, Joseph was freer in prison than he could have been out of it as the paramour of Potiphar's wife. Decency also makes for strength. The Holy Grail was found by Sir Galahad who was able to say, "My strength is as the strength of ten because my heart is pure."

Third, the virtuous life is the larger one. The decent man sees things the indecent person misses. While the latter sees only the muck, the former sees also the sky and the trees. "Blessed are the pure in heart," said Jesus, "for they shall see God." How much richer is the man who sees God in the smile of a child or in the flower in a crannied wall, than the man who never recognizes him anywhere!

To brush decency aside does not destroy its value; it merely reveals the sickness of our own souls. Decency is a form of beauty and Godliness that transforms mere existing into abundant living.

—Larry Schwarz

What Readers Say

Dear Editor: *Kansas Farmer* arrived this morning, and as usual I turned first to "Thoughts to Live By," for I've found something refreshing in each one I've read. I especially enjoyed "Service" in last October 15 issue, also "Resources" in September 17, "Contentment" in January 21, and "Security" in March 4. Please keep them coming. I clip each one for reference.—Mrs. Rudy Wenger, Powhattan.

Dear Editor: I think "Thoughts to Live By" are especially good. The one "Transcendent Joy" especially caught my notice . . . I am clipping them and either keeping them or sending to someone to whom I think they would be an inspiration as they are to me.

The one on "Joy" I sent to a friend who is having some difficulties . . . so I thank you very much and hope you will continue . . . —Mrs. F. Muhlert, Garnett.

Dear Editor: "Thoughts to Live By" is the first thing I look for in *Kansas Farmer*. I clip and save these for further reading and also for other people to read. Keep up the good work. They are a great source of spiritual and devotional education.—Mrs. W. R. Killoren, Powhattan.

Dear Editor: I am writing about your "Thoughts" column in *Kansas Farmer* . . . I always read them and believe them to be very good and vital toward the moral and spiritual life of the farmer's life's work, so keep up the good work. My grandparents, Carl Schwarz and Magdalene Haas Schwarz came from Wurtemberg, Germany, and settled in Douglas county, Kansas, near Worden.—Mrs. John Stahel, Overbrook.

Dear Editor: Some time ago I discovered "Thoughts to Live By" in *Kansas Farmer*. I enjoyed them so much I have clipped as many as I can find . . .

Recently I thought I'd write to tell you how helpful your thoughts on

"Contentment" and "Transcendent Joy" were to me . . . I'm sure "Thoughts" must be an inspiration to many people. They bring me pleasure . . . —Dorothy Dollard, Eureka.

Dear Editor: "Thoughts to Live By" are all good and I thank you for what they mean to me. I clip some for future reading . . . No doubt a large majority of *Kansas Farmer* readers would miss them greatly should the magazine discontinue printing them.—Mrs. J. F. Neaderhiser, Longford.

Dear Editor: We would like you to know "Thoughts to Live By" is the first article we read in *Kansas Farmer* when it reaches our house. Hope you continue those worthwhile messages in the paper. Certainly we can all benefit by reading them. A member of our family has saved all your articles and is planning to put them in a scrapbook for others to read.—Jacob A. Goering, McPherson.

Dear Editor: We very much appreciate "Thoughts to Live By." They are inspirational, helpful and needful in these days of confusion. We consider *Kansas Farmer* fortunate to have a contributor to this page of their valuable farm paper and hope to see them continued.—Mrs. V. A. Murphy, Wellsville.

Name, Please

Kansas Farmer received a letter from Lawrence, Kan., ordering pattern No. 5905, but no name was signed. So the Home Service Editor is unable to fill the order. As soon as we receive this name and address the order can then be promptly filled. Please address Home Service Editor, *Kansas Farmer*, Topeka.



(Model F-3, 122-inch wheelbase Express illustrated)



**says Louis P. Jensen
of Troy, New York**

"She keeps the budget in our family and knows just how much we're saving on gas, oil and upkeep since we changed to Ford. I agree—Ford Trucks certainly *do more per dollar!*"

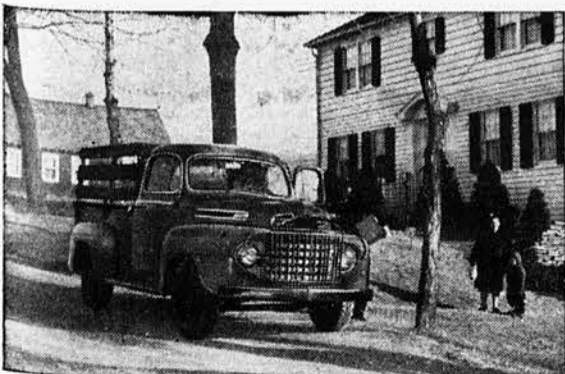
"My wife says we save about \$16 a month with our new Ford Truck!"



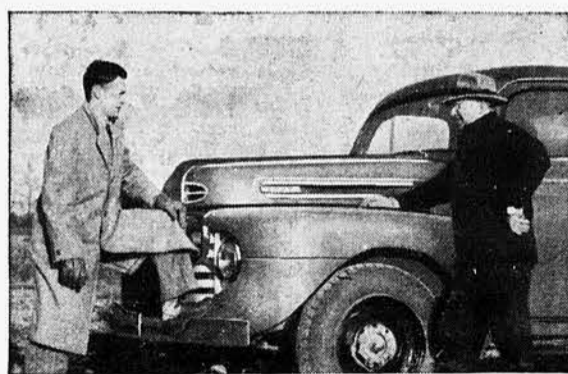
"I picked Ford for power, but the money I'm saving has really convinced me it's the best all-around buy." (Loadomatic ignition saves gas; aluminum alloy pistons save oil; removable brake drums and engine-top setting save time and upkeep costs.)



"Never lets me down on any job! I use my Ford for every sort of work on my farm, in all kinds of weather." (To fit your job better—to save you money—a choice of over 175 models. From the 95-h.p. "Six" Pickup to the 145-h.p. "V-8" BIG JOB!)



"It's mighty good-looking . . . rides like a passenger car. The 'Million-Dollar' cab was good news to me, too!" (More good news for farmers is Ford's powerful, yet thrifty Six—the new 110-h.p. 254 cu. in. engine. It's engineered for heavy-duty farm use!)



"I knew they were Bonus-Built for extra strength, but I still can't get over how much less Ford Trucks cost to run!" (Find out yourself why Ford Trucks do more per dollar. Change to Ford like Louis Jensen did—see your Ford dealer this week!)

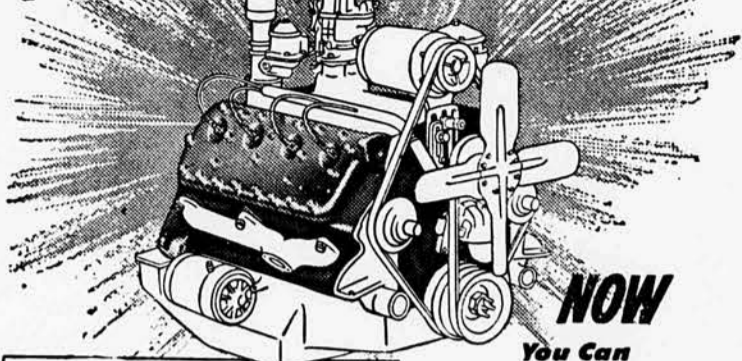
***Ford Trucking Costs
Less Because—
FORD TRUCKS
LAST LONGER***

Using latest registration data on
6,592,000 trucks, life insurance experts
prove Ford Trucks last longer!

See your local FORD DEALER

Conveniently listed in the Telephone Book

FORD CAR AND TRUCK OWNERS! . . .



You get all this ONLY with an AUTHORIZED Reconditioned FORD Engine . . .

- 1 It is re-manufactured to exacting Ford standards by an authorized rebuilder.
- 2 Genuine Ford Parts used throughout.
- 3 Engine rigidly block-tested.
- 4 New motor guarantee, for 4,000 miles or 90 days—whichever comes first.



Re-power with an Authorized Reconditioned FORD Engine!

INSTALLED IN 10 HOURS

Look for this emblem on AUTHORIZED Reconditioned Ford Engines—your assurance that the engine you buy has been reconditioned by an AUTHORIZED reconditioner for lasting power and savings, complete satisfaction. Drive in today!

SEE YOUR NEAREST FORD DEALER

For information write, A. D. RAYL ENGINE REBUILDERS, Inc. Hutchinson, Kansas

Beating "Old Man" Erosion

Veterans Get Together for a Soilsaving Day

SIX YEARS ago, GI's supported by tanks, scrambled over hills of Europe, reclaiming land from the Nazis. Just a few days ago—the same GI's were swarming over the hills of the Alvin Schmidt farm, 4½ miles from Cheney, reclaiming land from old man erosion.

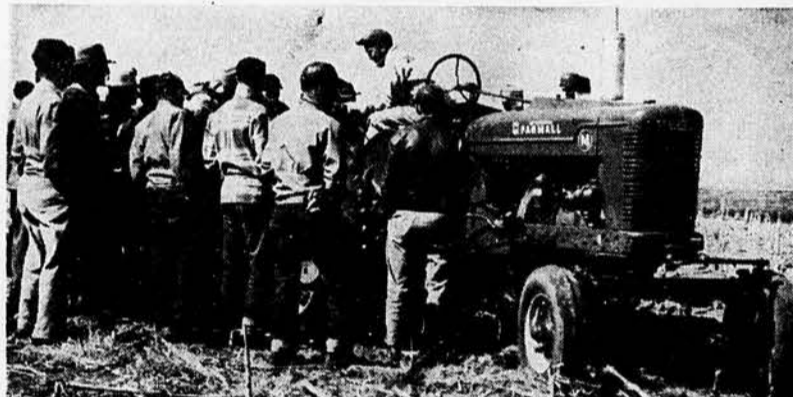
The project had been planned by the Haven GI On-the-Farm training class, led by Vyron Barrett. The idea grew like a seed planted in the soil as other GI classes heard of it. Friends University classes led by Mr. Black, Buhler class led by Tom Roberts, Pretty Prairie class and FFA boys under the direction of Powell Heide, Cheney class led by Howard Lindholm and the FFA boys of Haven instructed by Glen Schultless were invited to attend the demonstration.

Mr. Schmidt's farm will be devoted primarily to livestock farming. For good soil conservation practices it was necessary to put in 9 terraces. Soil is sandy and located on rolling land. Making it necessary to put in a cement spillway for water outlet, 800-tree shelterbelt, grass waterway and other soilsaving devices.

Use of engineering instruments in

planning the terraces was emphasized and the soil conservation purpose was explained to the group in the morning by Don Ingle, Sedgwick county agent; Charles Hageman, Reno county agent; Louis Earle, Sedgwick county soil conservationist and Bob Cameron, soil conservationist for Reno county.

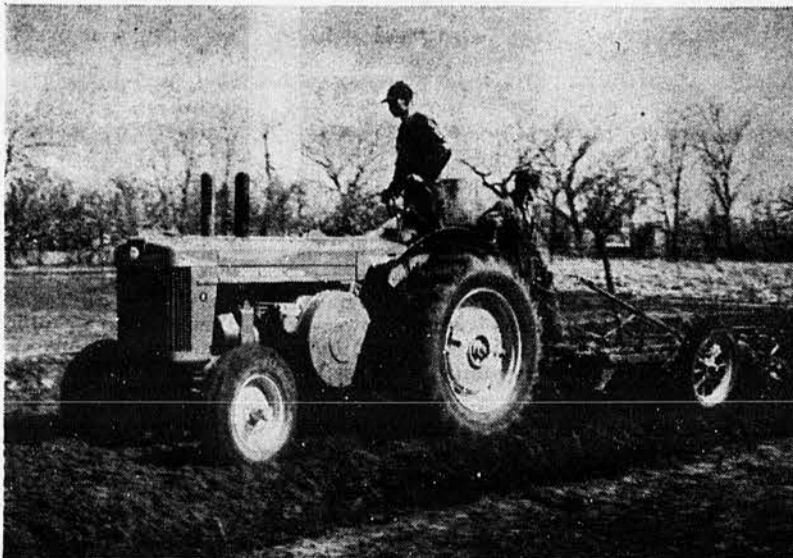
First terrace was started at 11 o'clock by 5 of the 13 tractors and equipment provided by implement dealers of Cheney. Tons of dirt must be carefully rolled up to form the terraces. This first terrace was completed shortly after noon. Lunch was served by a Methodist Sunday school class of Cheney. After a discussion period the boys were divided into groups and worked on various soil conservation practices. The tree planter of the county soil conservation service was used to plant 800 trees in a 5-row shelterbelt to stop soil erosion. A grader was used to level the grass waterway which was seeded to a mixture of brome and alfalfa. Mr. Meyer, of Clearwater, was employed to demonstrate construction of a high terrace with a bulldozer. The dozer also was used in filling gullies which the terrace will eliminate.



EXPLAINING HOW: This picture was taken shortly after the first terrace was finished. It is of an M Farmall with a Krause one-way plow hydraulically mounted. The Krause plow service man, Hal Yoder, is explaining to Veterans how to operate the tractor so the plow will do the best job of throwing dirt up on the terrace.



ON THE JOB: This picture was taken on the second terrace after the individual classes were started on their respective terraces. The tractor is a 55 Massey-Harris pulling a 4-bottom, 16-inch plow. The driver is Ferd Haukap, the rider is Marion Mooberry.



GOOD WORK: This picture shows Wilbur Gerken driving the model R John Deere tractor pulling a 3-bottom, 14-inch plow on the fifth round of the second terrace.

Puts new profits into your pockets

while it brings new thrills in living to your farm home!

When fresh water is easily accessible, a hog will drink 16 pounds of water every day—a dairy cow nearly 200 pounds. One hundred chickens will consume 32 pounds of water daily. And this water works wonders in faster gains, increased production. That's why it's so easy to pay for a DEMPSTER Water System with extra profits!

But to the lady of the house, running water is still more important. A DEMPSTER Water System is your key to home modernization! Yes, it's truly wonderful to have plenty of hot and cold running water at the twist of a faucet—for cooking, washing clothes, bathing, cleaning, sprinkling and fire protection.

Why should YOU wait any longer? NOW is the time to get your share of the extra profits and luxurious convenience of running water. As the first step, fill out the coupon at the right and send it in today!



Absolutely FREE!

Learn from this free book the type of water system you need on your farm! It will help you avoid costly mistakes and make sure of complete satisfaction.



DEMPSTER MILL MFG. CO.
613 South 6th St.
Beatrice, Nebraska
Please send me your free FACT BOOK.

Name.....
Address.....
Town.....State.....

"COME SEE 'EM IN ACTION! IT'S FARMHAND DEMONSTRATION MONTH"



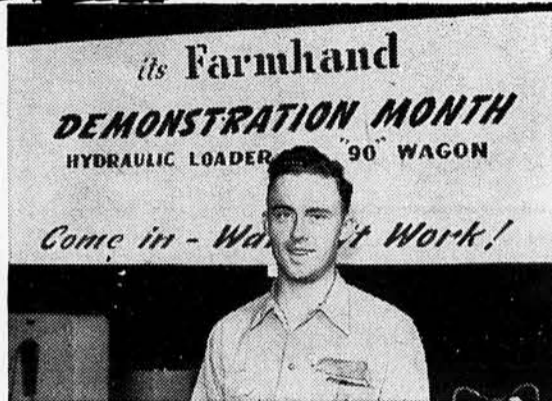
... with the whole FARMHAND Line of materials handling machines now on display at your FARMHAND Dealer's!

If you own one of these tractors ...you need a FARMHAND Loader!



TAKE "HEAVY-DUTY" LOADERS: Practically all large tractors. Mountings are available to fit the large FARMHAND Loader to your tractor with a minimum of work and time.

TAKE "SPECIAL" LOADERS: Ford; John Deere Mt, H and M; Oliver "60"; Allis Chalmers C; Case VAC; Ferguson; Farmall A, B and C.



YOU'RE INVITED to visit your nearby FARMHAND Dealer's store and yard this month . . . to see in action all the great FARMHAND machines you've been reading about . . . to discover for yourself why FARMHAND is tops in the materials handling field, and why every FARMHAND owner agrees. "FARMHAND machines do more work all year around per dollar invested than any other equipment buy you can make!"

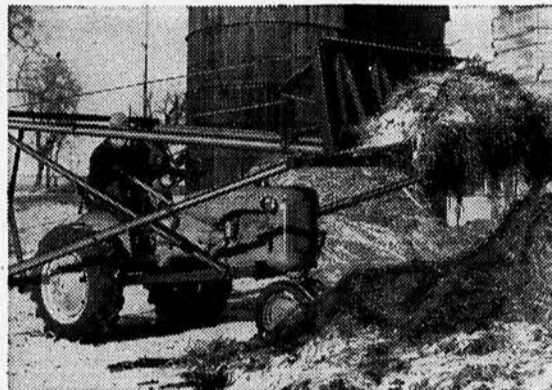


HEAVY-DUTY LOADER. We've made tens of thousands of them during the last eight years . . . and the very first model is still on the job! New 1950 model gives you 3,000 lb. lift and 21-foot reach, plus 7 great new features: attachments on with 2 pins, spring back-stops, self-levelling in all positions, through-pump drive for operating other machines, new design for operator convenience. Easily mounts on almost any large tractor.

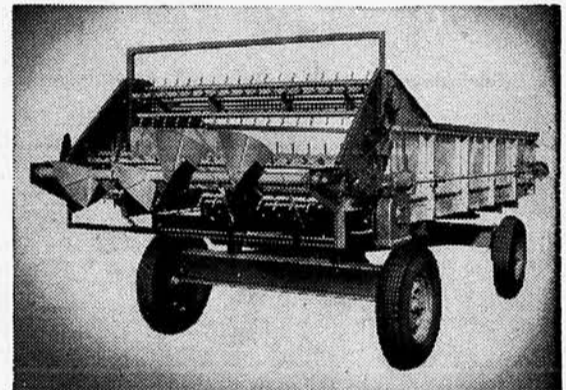
If you handle manure by the ton...you need a FARMHAND Loader and "Power-Box"!



Either FARMHAND Hydraulic Loader with Full-Width Manure Fork handles up to 1,000 lbs. of manure at a load . . . fills ordinary spreaders in 2 minutes! The easiest manure loading job you've ever done. And your FARMHAND "Power-Box" holds up to 5 tons per load . . . spreads it quickly, automatically! Mount it on regular wagon or trailer . . . or on truck for hauling to distant fields.



"SPECIAL" LOADER for smaller tractors . . . a brand new star performer especially designed to give you FARMHAND's famous features in a compact, easy-to-handle model. Built low for clearance, with same design and feature improvements described for larger loader. Full line of attachments, including Full-Width Manure Fork with Gravel Plate, Hay Basket with Push-Off, Grapple Fork and Detachable Scoop.

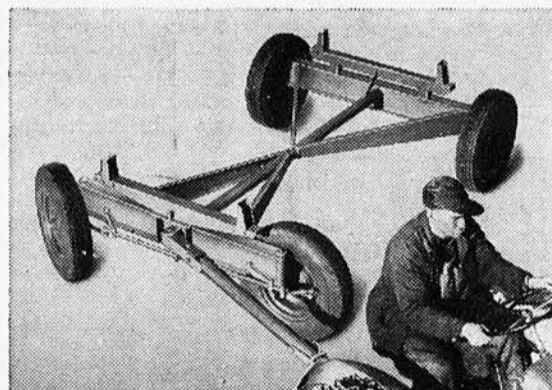


"POWER-BOX" . . . finest manure spreader, best all-around wagon box you ever used! Takes 5-ton loads, spreads them automatically with take-off powered unloading apron and beaters. Handles huge loads of ensilage, feed corn, loose or bulk materials. Unloads them by power at a touch of the controls. Mounts on wagon, trailer or truck. Quality heavy duty construction throughout. Mixer-feeder attachment available.

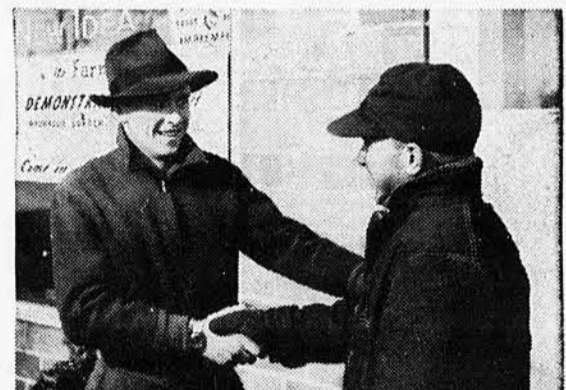
If you stack hay, haul feed, clear snow, or do any heavy moving, loading or unloading... you need a FARMHAND Loader and "Power-Box"



You can cut high labor costs in a BIG way when these machines take over! One man farming on many farms is lots easier when all you do is flip a lever to handle the most backbreaking kinds of lifting, loading, moving and unloading jobs. Many farmers report using FARMHAND equipment up to 180 days a year on their farms. Get the facts . . . see 'em in action during FARMHAND DEMONSTRATION MONTH . . . and you'll be sold, too! Visit your FARMHAND Dealer.



"90" WAGON . . . it actually turns on a dime! (Prove it to yourself.) Makes full 90° angle turns with no tipping or backing . . . and with constant support under load. Adjustable reach. Fixed or rocking front bolster. Stake pockets. Extra wide construction for stability. Auto-type wheels on Timken Bearings. Available with Quick-Hitch extensible tongue and other features. Finest steel construction. Two models: 5 ton and 2½ ton. Also single-axle, dual-wheel trailer.



DON'T MISS THE BIG SHOW! Your FARMHAND Dealer is making a special point of having a model of every FARMHAND Materials Handling Machine set up and ready for demonstration work at his store during FARMHAND Demonstration Month. See these work-time-money savers in action. Get the "feel" of the controls . . . get the answers to all your questions . . . check the money-making possibilities of these machines for your farming operations. No cost . . . no obligation!

Farmhand

REG. U.S. PAT. OFF.



MATERIALS HANDLING MACHINES

HYDRAULIC LOADERS • "POWER-BOX" • "90" WAGONS

Made for farmers by SUPERIOR SEPARATOR COMPANY, HOPKINS, MINNESOTA • Farm Machinery Specialists

Modern HOME FREEZERS

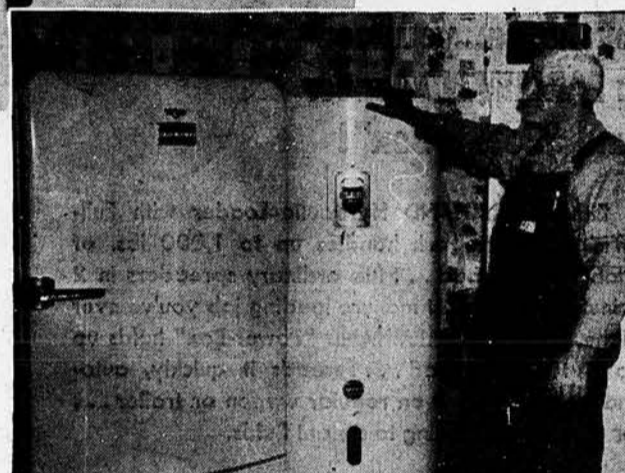


**"It's Like Having
a Grocery Store
Right in My
Home"**

**... Says
Mrs. Ed Morehouse
of Cheney, Kan.**



Accompanying pictures are from the rural home of Mr. and Mrs. Ed Morehouse, Cheney, Kan., who have discovered the "Home Freezer Way" is the real way to live.



YES, Mr. and Mrs. Ed Morehouse, who live on their berry acreage near Cheney, Kansas, have learned how to live in the "Home Freezer" way. "My Home Freezer makes it seem like I have a big grocery store right in my own home," says Mrs. Morehouse. "When company comes or when we're alone—there's no problem getting together a meal that everybody enjoys. My grandsons are at the 'eating age' and they especially like our strawberries, dewberries, peaches and corn when they're out of season. I'd just hate to try to do without my freezer or any of my many electrical appliances."

And Mr. Morehouse, who is proud of his berry acreage, is completing more than fifty years of farming as a grower of fine berries and sweet corn. "People come from miles around to buy berries from my acreage," he says. "Sometimes I feel sorry for them because I know they don't all have Home Freezers and they can't keep the berries all year like we do."

Before specializing in berries, the Morehouses raised wheat and livestock. Next year they will celebrate their Golden Wedding Anniversary in their all-electric home which includes, besides their Home Freezer, an electric range, electric refrigerator and electric water heater, as well as many small appliances.

ELECTRICITY— Does the Job Better!

Central Kansas Power Company
Kansas City Power & Light Company
The Kansas Power and Light Company

Eastern Kansas Utilities, Inc.
Kansas Gas and Electric Company
Western Light & Telephone Company

This Message
from the
Pioneers of
Rural
Electrification

Sixth article presented by Kansas Farmer on "Where We Have Been, Where We Are Now, and Where We Are Going in Agriculture."

WEEDS, WEEDS, WEEDS!

Big ones, middle-size, tiny ones. But cultivation and chemical warfare against them seem to be winning the "never-ending" battle.

By J. W. ZAHNLEY, Agronomist, Kansas State College

THE fight against weeds has gone on for centuries. Yet strange as it may seem, little attention was given to research on weed pests until within the last 50 years. As late as 15 years ago the number of workers in the United States engaged full time on research in weed control could be counted on the fingers of one hand.

Bindweed Trouble Since 1900

Field bindweed was recognized as a potential menace to agriculture of Kansas as early as 1900. First planned studies of control were inaugurated in 1907 by A. M. TenEyck, professor of agriculture, and E. H. Webster, director of the Experiment Station. L. E. Call, later dean and director of the station, aided in this project. The Legislature of 1907 appropriated \$1,000 for carrying on this first bindweed control experiment. Work was conducted on the farm of Andrew W. Sander, near Victoria in Ellis county. A report of the project prepared by Professor TenEyck was published in *Kansas Farmer*, June 12, 1909.

In 1913 experiments were started near Dodge City with applications of salt to bindweed on state land then known as Forestry Experiment Station. Two years later many small patches on the station were eliminated by use of salt. Salt barriers to prevent spread of bindweed were tried on the Experiment Station at Hays from 1911 to 1918 under supervision of R. E. Getty. This practice did not prove very successful. In 1919, Mr. Getty set up experiments for control of bindweed employing intensive cultivation, crop rotation, and use of fuel oil, in addition to tests with salt. These were to run 5 years. This was the beginning of experiments with cultivation and cropping which have become among the most widely used practices for control of bindweed.

Discover Sodium Chlorate

Experiments with chemicals were started at Manhattan in 1925. These tests led to discovery of the weed-killing power of sodium chlorate. Announcement in 1927 of this discovery created considerable interest in re-

search in weed control with chemicals. Results of these investigations represent the outstanding feature of progress during this period.

Conquer Russian Knapweed

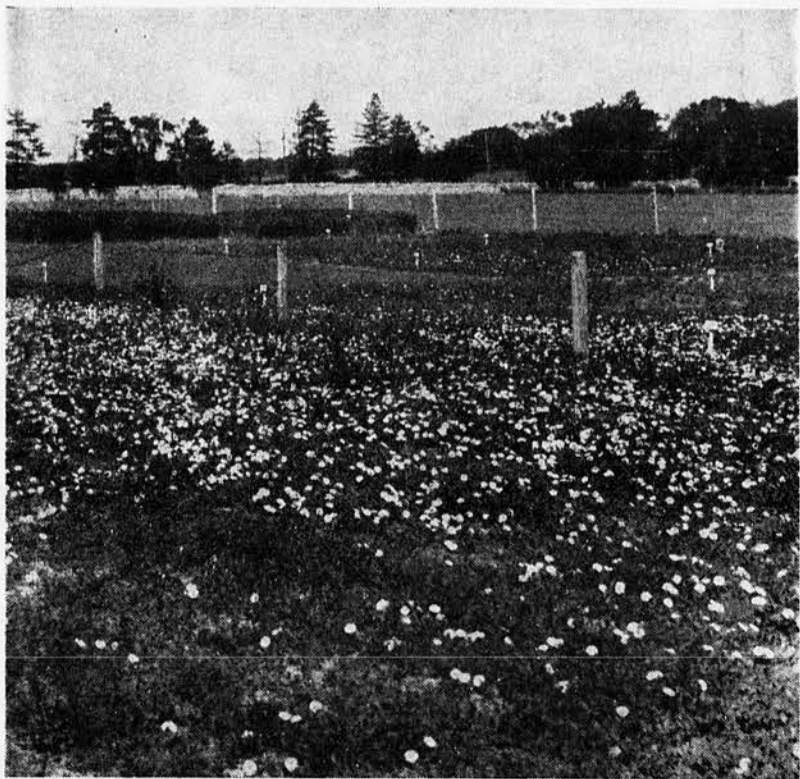
At that time Russian Knapweed was gaining a foothold in Kansas. It had been introduced into this state from Russia several years earlier in seed of Turkistan alfalfa, and was widely distributed thruout alfalfa-growing sections. Hundreds of established patches were beginning to attract attention because of almost total failure of crops on infested areas. Experiments were started in 1931 on a heavily-infested area in Morris county on the farm of Walter L. Olson. Sodium chlorate was found particularly effective in killing this weed. Immediately war was declared on Russian Knapweed, and today patches of this species are rarely found anywhere within the borders of Kansas. Effectiveness of sodium chlorate, and prompt action on farms where the weed was rapidly gaining a foothold, have literally driven from Kansas one of the most noxious and potentially menacing weeds known.

Thousands of Patches Treated

Field bindweed continued to spread. New patches were becoming established and older infested areas were enlarging. It had been found sodium chlorate would kill bindweed, but was too expensive for use on large areas. It was recognized as the best means known for getting rid of small patches, and applications of 4 to 5 pounds of dry sodium chlorate to the square rod became a recommended method. Each year about 2 million pounds of sodium chlorate are used in Kansas. Records of the Weed Division, State Board of Agriculture, show 78,311 small patches were eradicated from 1938 to 1949, and some 30,000 small patches are now under treatment. Thousands of farms on which small patches had become established have been made free of bindweed by promptly applying sodium chlorate to new infestations.

First step in weed control should be prevention. Introduction and distribu-

(Continued on Page 24)



PRETTY, ISN'T IT? But not on your land. Of course, you recognize this as a very healthy growth of field bindweed. Properly treated with sodium chlorate, a year later not a plant was showing.

You'll find Beauty on the Outside and ...

FRIGIDAIRE QUALITY

On the Inside of Your FRIGIDAIRE HOME FREEZER!

12 cu. ft. size (shown here)

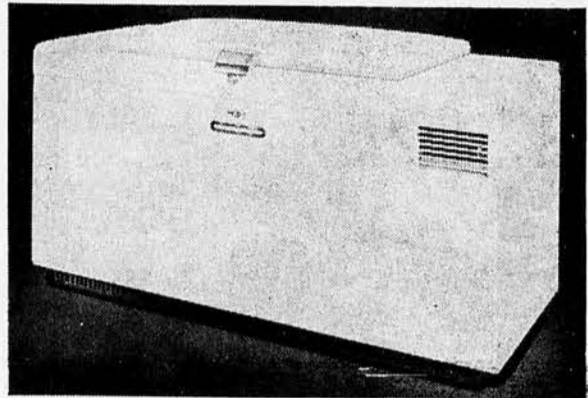
\$399⁷⁵

8.8 cu. ft. size only

\$329⁷⁵

18 cu. ft. size only

\$499⁷⁵



And Quality is *more important* in your home freezer than in any other electric appliance you buy. Here's why: Inside your food freezer you'll find that you have around \$16.00 in food for every cubic foot of space. That food must *stay frozen* or become waste. And it must remain at a fairly *constant* low temperature or it loses value in a matter of weeks. Constant temperature, economical operation, heavy-duty insulation and the world-famous Meter-Miser compressor are your guarantees for the safe-keeping of the delicious fruits, vegetables and meat-cuts. Start this season right with a Frigidaire Home Freezer with all the many marvelous new features.

Come In! See why You Can't Match a Frigidaire

SEE THEM AT ANY OF THESE DEALERS

- | | | | |
|---|--|--|--|
| <p>ABILENE
Shokey & Landes</p> <p>ALMA
Hasenbank & LaMar</p> <p>ALTAMONT
Holmes Hdwe. Co.</p> <p>ANTHONY
Wood Music Co.</p> <p>ARGONIA
Horton Furniture Co.</p> <p>ARKANSAS CITY
Wright-Burton Hdwe.</p> <p>ARLINGTON
Fay's Sundries & Appl.</p> <p>ARMA
Bosnio Hdwe. & Appl.</p> <p>ASHLAND
Horn Appliance Co.</p> <p>ASSARIA
Johnson's Plbg. & Appl.</p> <p>ATTICA
K. R. Anthony Furn.</p> <p>AUGUSTA
O'Brien Furn. Co.</p> <p>AXTELL
Roth's Lock. & Ap. Co.</p> <p>BARNES
Barnes Ap. & Plbg. Co.</p> <p>BAXTER SPRINGS
Milo Chew Drug Co.</p> <p>BELLE PLAINE
Foster Refrig. & Appl.</p> <p>BELLEVILLE
Fitch & Barth, Inc.</p> <p>BELOIT
Hiscote & Weir Appl.</p> <p>BENNINGTON
Powell Service</p> <p>BLUE RAPIDS
Brake's Furn. Store</p> <p>BUCKLIN
Day Hardware Co.</p> <p>BUBER
Kim Elliott & Gard</p> <p>BURDEN
Lewis Chevrolet Co.</p> <p>BURNS
Lyons Supply Co.</p> <p>CALDWELL
Ferwilliger Hardware</p> <p>CANEY
Pendleton Chev. Co.</p> <p>CAWKER CITY
Riley-Rhoades Ap. Co.</p> <p>CEDAR VALE
Williams Motor Co.</p> <p>CHANUTE
Naff & Bolze Hdwe.</p> <p>CHAPMAN
Sanborn Lumber Co.</p> <p>CHENEY
Cheney Skelgas Service, Inc.</p> <p>CHERRYVALE
Clark's Maytag Co.</p> <p>CHETOFA
Blankenship Hardware</p> <p>CIMARRON
Osborn Radio & Elec.</p> <p>CLAY CENTER
Marshall's, Inc.</p> <p>CLEARWATER
Hugh R. Wilk Hdwe.</p> <p>CLIFTON
Bechtel-Esslinger</p> <p>CLYDE
A. Selfert Jewelry</p> <p>COFFEYVILLE
Southwestern Sales Co.</p> <p>COLBY
Mickey Appliance Co.</p> <p>COLDWATER
Rural Gas & Elec. Co., Inc.</p> <p>COLUMBUS
Bennett Appliance Co.</p> <p>CONCORDIA
Culbertson Elec. Co.</p> <p>CONWAY SPRINGS
Lewis Plbg. & Appl.</p> <p>COTTONWOOD FALLS
Hamm Electric Co.</p> | <p>COUNCIL GROVE
Rumsey & White</p> <p>DIGHTON
Mull Electric Service</p> <p>DODGE CITY
Hainline Appliance Co.</p> <p>DOUGLASS
The Electric Store</p> <p>DOWNS
Cunningham Oil Co.</p> <p>EL DORADO
Home Appliances, Inc.</p> <p>ELKHART
Ellis Motor Service</p> <p>ELLINWOOD
Chaffee Electric</p> <p>ELLIS
Laughlin Motor Co.</p> <p>ELLSWORTH
Holt & Goedde Furn. Co.</p> <p>EMPORIA
Litke-Stephens Fur. Co.</p> <p>ERIE
Lester's Hwd. & Furn.</p> <p>ESKRIDGE
Willard Sales & Serv.</p> <p>EUREKA
Burton's Furn. & Appl. Co.</p> <p>FALL RIVER
Fah River Impl. Co.</p> <p>FLORENCE
W & R Appliance Co.</p> <p>FORT SCOTT
Filizola Oil Equip. Co.</p> <p>FRANKFORT
Lauer Electric Shop</p> <p>FREDONIA
Hollis Hardware Co.</p> <p>GARDEN CITY
Mayo's</p> <p>GLASCO
R. W. Cramer Hdwe.</p> <p>GOODLAND
D & G Electric Co.</p> <p>GREAT BEND
Chaffee Electric</p> <p>GREENLEAF
Hogan & Sons</p> <p>GREENSBURG
Culp Home & Auto</p> <p>HALSTEAD
Mantele's Dept. St., Inc.</p> <p>HANOVER
Schwartz Appl. and Elec. Co.</p> <p>HARPER
Jess Hamilton</p> <p>HAYS
The Merchandise Mart</p> <p>HERINGTON
Fred Lee & Sons</p> <p>HERNDON
J. G. Hutches & Son</p> <p>HILL CITY
Quenzer Appl. & Hdwe.</p> <p>HILLSBORO
John Hiebert</p> <p>HOSINGTON
Gelsman Appl. Co.</p> <p>HOLYROOD
Westmacott Hdwe. Co.</p> <p>HOPE
W. W. Wuthnow Furn. Co.</p> <p>HOWARD
Virgil Munsinger</p> <p>HONIE (Grinnell)
H. J. Rietcheck Appl.</p> <p>HUGOTON
Reed's</p> <p>HUTCHINSON
Gruher Furniture Co.</p> <p>INDEPENDENCE
Self-Orr, Inc.</p> <p>IOLA
Schell's Appl. Store</p> <p>JETMORE
Jetmore Hardware</p> <p>JEWELL
Jewell Lumber Co.</p> <p>JOHNSON
Johnson Service Co.</p> | <p>JUNCTION CITY
Waters Appl. Store</p> <p>KENSINGTON
Simmons-Oliff</p> <p>KINGMAN
Kingman Radio Shop</p> <p>KINSLEY
Maytag Appliance Co.</p> <p>KIOWA
Fisher-Wood Hdwe.</p> <p>LACROSSE
Pittman & Pittman</p> <p>LAKIN
J. C. Hart & Co.</p> <p>LARNED
A. A. Doerr Merc. Co.</p> <p>LEHIGH
Burkholder Lbr. Co.</p> <p>LEON
Losh Motor Co.</p> <p>LEOTI
Western Hdwe. & Sup.</p> <p>LIBERAL
Hottel Appl.</p> <p>LINCOLN
B. G. Hall</p> <p>LINCOLNVILLE
Burkholder Lbr. Co.</p> <p>LINDBURG
Billings Refrigeration & Elec. Appl.</p> <p>LITTLE RIVER
Hodgson Impl. & Hdwe.</p> <p>LYONS
Schneider's Furn. Co.</p> <p>MADISON
Sauder Hardware Co.</p> <p>MANHATTAN
Kaup Furniture Co.</p> <p>MANKATO
Beam Motor Co.</p> <p>MARION
W. J. Haas Furn. & Ap.</p> <p>MARYSVILLE
Fred Burris</p> <p>MCPHERSON
Green Furniture Co.</p> <p>MEADE
C. F. Worman Elec. & Plbg.</p> <p>MEDICINE LODGE
Dickey Appl. Co.</p> <p>MILTONVALE
Phelps Furn. Store</p> <p>MINNEAPOLIS
Homer Hardware</p> <p>MOLINE
Boyer Tire & Appl. Co.</p> <p>MORGANVILLE
Will F. Taddiken</p> <p>MOUNDRIE
Krehbiel Hdwe. & Impl. Co., Inc.</p> <p>MOUNT HOPE
Johnsmeyer's</p> <p>MULVANE
The Electric Store</p> <p>NASHVILLE
Stewart Motor Co.</p> <p>NATOMA
Pohlman's Home Furn.</p> <p>NEODESHA
Kimball Electric Shop</p> <p>NESS CITY
Schroyer's, Inc.</p> <p>NEWTON
Jenkins Appl.</p> <p>NORTON
Horney's Appl.</p> <p>NORWICH
H. S. Eshnour & Sons</p> <p>OAKLEY
C. D. Clark & Sons, Inc.</p> <p>OBERLIN
Anderson & Son Hdwe. & Impl.</p> <p>ONAGA
Tessendorf Furn. Co.</p> <p>OSBORNE
Quenzer Appl. Co.</p> <p>OSWEGO
Williamson Stores, Inc.</p> | <p>OXFORD
Abildgaard Hdwe. Co.</p> <p>PARNONS
Ellis Radio & Appl. Co.</p> <p>PEABODY
Baker Furn. Store</p> <p>PHILLIPSBURG
Newell's Appl. Co.</p> <p>PITTSBURG
Fisher-Wood Hdwe.</p> <p>PLAINVILLE
Moshier Bros.</p> <p>PRAIRIE VIEW
Prinson Bros.</p> <p>PRATT
Link Electric Co.</p> <p>PRETTY PRAIRIE
General Appliance Co.</p> <p>QUINTER
Quinter Appl. Store</p> <p>RILEY
Meyer Mercantile Co.</p> <p>RUSSELL
Hines Bros.</p> <p>ST. FRANCIS
Roel's Electric Store</p> <p>ST. JOHN
Peacock & Soice</p> <p>ST. MARYS
Tessendorf & Youngkamp</p> <p>SALINA
Goodhousekeepers Appl., Inc.</p> <p>SATANTA
Decker's</p> <p>SCANDIA
Sanborn Lumber Co.</p> <p>SCOTT CITY
Bryans, Inc.</p> <p>SHARON SPRINGS
C. E. Koons & Son</p> <p>SMITH CENTER
Simmons-Oliff Furn. & Und.</p> <p>SPEARVILLE
Heskamp Chev. Co.</p> <p>STAFFORD
Peacock & Soice</p> <p>STERLING
Honey's Appl. Center</p> <p>STOCKTON
Quenzer Appl. Co.</p> <p>SYRACUSE
Stewart Furniture Co.</p> <p>TIMKEN
Timken Lumber Co.</p> <p>TRIBUNE
Western Hdwe. & Sup.</p> <p>TURON
Turon Electrical Sup.</p> <p>ULYSSES
Durham Electric Co.</p> <p>VALLEY CENTER
Central Supply</p> <p>WAKEENEY
Clark Supply Co.</p> <p>WAKEFIELD
Sanborn Lumber Co.</p> <p>WAMEGO
J. E. Stewart & Sons</p> <p>WASHINGTON
Anderson Hardware</p> <p>WATERVILLE
Hensley Hdwe. & Furn.</p> <p>WELLINGTON
Nichols Electric Co.</p> <p>WICHITA
The Appl. Center, Inc. 188 North Broadway 1014 West Douglas 121 East 21st</p> <p>Geo. Innes Co.
Fowel Furniture Co. Whitcomb Appl. Co.</p> <p>WILSON
Weber Hardware</p> <p>WINFIELD
Winfield Electric Co.</p> <p>YATES CENTER
J. C. Schnell</p> |
|---|--|--|--|

**USE THE
YEAR 'ROUND**

**BEM BRAND
Fertilizer**

MEANS...



**BIGGER
YIELDS**

**LOWER
COSTS**

**EXTRA
PROFITS**

**FOR YOU
MR. FARMER**



BRINGS EXTRA MONEY

AAA CAN HELP YOU PAY
Register with your local
P.M.A. and see how, in many
cases, they can pay nearly half
your bill for superphosphates
used in approved practices.

SEE YOUR DEALER TODAY
Send for Your Free Copy of
"OUR LAND AND ITS CARE"

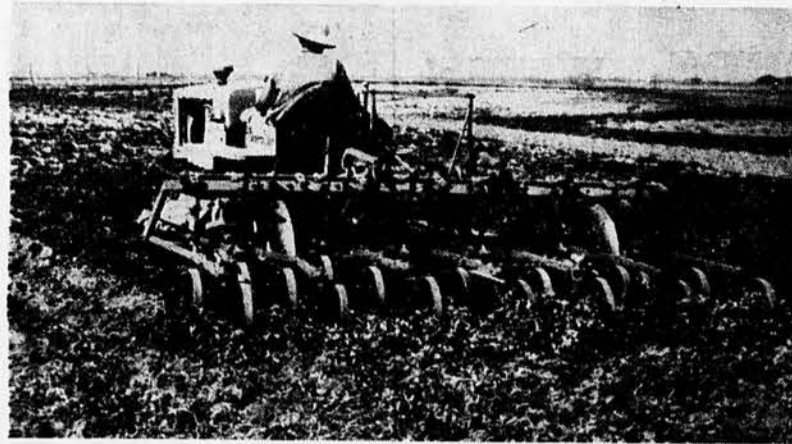
THURSTON

CHEMICAL COMPANY

GENERAL OFFICES: JOPLIN, MO. 64501

Weeds, Weeds, Weeds

(Continued from Page 23)



EXPERIENCE SHOWS a duckfoot cultivator such as this does a good job of ridding land of field bindweed. (Picture courtesy of L. C. Aicher, Superintendent, Fort Hays, Kansas, Experiment Station.)

tion of impure crop seed or feed is one of the most potent means of spreading weeds. Recognizing this, the Legislature of 1925 passed the Kansas Seed Law. This not only requires that all seed offered for sale in the state must be tested and labeled, but prohibits sale of any seed containing seed of certain noxious weeds. The Kansas State Board of Agriculture maintains a seed testing laboratory at Manhattan, in co-operation with the Kansas State College, where farmers and seed dealers may have seed tested. Value of seed testing is shown by the fact that 14 per cent of the alfalfa, 38 per cent of the red clover, and 43 per cent of the lespedeza seed tested in one year were unsalable under the Kansas Seed Law on account of noxious weeds.

Watch Machinery, Also

Further preventive measures were made effective by passage of amendments to the noxious weed law in 1945 prohibiting sale or distribution of livestock feed, screenings, animal fertilizers or nursery stock containing seed of noxious weeds. These amendments also make it unlawful to bring into the state any harvesting or threshing machinery, portable seed cleaners, field ensilage cutters, and portable feed grinders without first cleaning the equipment to make it free from all noxious weed seed. There is also a provision requiring cleaning of such machines before moving from farm to farm for custom work.

The noxious weed law requires that landowners, and those in charge of public lands, take steps to control and eradicate weeds declared by legislative act to be noxious. The Kansas State Board of Agriculture is empowered to adopt methods of control and to carry into effect provisions of the law.

Big Job to Do

The State Weed Supervisor, T. F. Yost, his 2 assistants, John Hutchinson and Maynard Scott, and county weed supervisors in 103 counties are engaged in a gigantic campaign to check spread of weeds by guarding against use of infested feed and seed, and by carrying on recommended control operations including cultivation and use of chemicals. They have found 56,220 Kansas farms are infested with a total of 231,856 acres of bindweed. Control measures, including cultivation and application of chemicals, are being practiced on 15,000 farms. Records show bindweed has been eradicated on about 30,000 farms since the

weed law became effective in 1935. Total acres of bindweed eradicated amounted to 82,688 on farms only from 1938 to 1948.

Congress Is Weed Conscious

In 1935 the Congress of the United States appropriated \$70,000 for investigations on control of noxious weeds. This made possible establishment of the Federal-State project at Hays, Kansas, and similar projects in Minnesota, Iowa, Nebraska and Idaho.

At Hays, 130 acres heavily infested with bindweed were leased and the most extensive experiment ever undertaken in a single project was started with F. L. Timmons in charge. Tests comprised treatments on more than 1,000 plots each year including cultivation, crop competition, and use of chemicals.

Cultivation Is a Success

Within 5 years a practical method was found for eradicating bindweed by intensive cultivation and the competition provided by growing crops. It was found that by allowing bindweed to grow for 8 to 10 days after emergence, eradication could be completed by 16 to 18 cultivations, compared with 32 where cultivation was repeated each time when the first plants emerged. One full season of intensive fallow, followed by 3 crops of wheat seeded October 5 to 10 and cultivated intensively after wheat harvest each year, killed the bindweed. Not only did this method get rid of the bindweed but about twice as much wheat was produced in the 4-year period, with 1 year of fallow and 3 of wheat, as was produced in 4 years of wheat without fallow. The year of fallow reduced the vigor of the bindweed and the stand 85 to 95 per cent, and thus largely eliminated its competitive effect on the subsequent crops.

Can Prevent Erosion

A valid and important objection to intensive cultivation for control of noxious perennial weeds is danger of severe erosion of the soil by heavy rains. This can be largely overcome by cultivating only thru May and June, then seeding cane thick for hay. The crop should be cut about the time of the first frost leaving a stubble 6 inches high. Fallow all the next season with a subsurface tillage machine with 24- to 30-inch sweeps and coulters on the beams to prevent clogging with trash. This will cut the bindweed
(Continued on Page 31)



MODERN FARMING sees the airplane doing important chores. Here one is spraying wheat with 1/2 pound of 2,4-D acid to the acre in 1 to 2 gallons of Diesel fuel. (Photo by W. M. Phillips, Fort Hays Experiment Station.)

**12 Year Old Girl
Sells Prize Calf
For \$1,624.00**

**International Reserve Champion
Calf Sells For \$1.60 Per Pound**

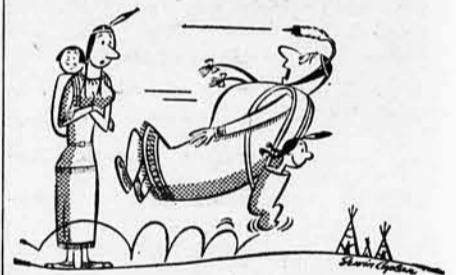


Betty Hartter and "Lucky Strike". Cute little Betty is another farm champion who eats lots of Wheaties. YOU getting plenty of Wheaties too? Have some today!

CARLOCK, ILL.—Two years ago Betty Hartter started raising an Angus heifer. She called its first calf "Lucky Strike". Perfect name, too! At '49 International Live Stock exposition junior show "Lucky" took Reserve Championship. Brought \$1.60 per pound at auction!

* * *

5 ft., 105 lb. Betty keeps busy. She's won prizes for sewing and flower arrangements. Also swims, plays baseball, basketball and piano. So, of course, she needs her Wheaties! Betty has eaten those nourishing flakes "long as she can remember". Eats Wheaties any time of day. Likes 'em with bananas and cream.



"He must've sneaked another bowl of Wheaties behind my back."

Betty's 10-year-old brother is another prizewinner. He's won blues on his steer and heifer. And he's a Wheaties eater too, says Betty. 3 generations in Hartter family eat Wheaties. Same in many families. Wheaties are America's favorite whole wheat flakes!

Know why Wheaties are such a favorite? They're second-helping good! Nourishing, too. A famous training dish, they give you B vitamins, minerals, protein, food energy. Fine cereal for your family: Wheaties, "Breakfast of Champions!"

"GOT LOTS TO DO TODAY!"



Extra value with Wheaties. (1) Silverware coupons in Wheaties and other General Mills products. (2) 50% more than regular size in Wheaties' Extra-Big-Pak.



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

\$10,000. in CASH PRIZES

for telling the TRUTH



AND YOU DON'T HAVE TO BUY, SELL, OR ENCLOSE ANYTHING!

Just write us a letter, in 25 additional words or less, completing this sentence:

"I know there is no better sugar than PURE BEET SUGAR because..."

CANNING TIME WILL SOON BE HERE, and you'll be buying extra sugar to make the family's favorite jams, jellies, and preserves. So we're introducing the 1950 canning season with this big contest on Beet Sugar. Plenty of cash prizes! Write us your letter today!

HERE'S WHAT TO DO! Sit down and write us a short letter, not over 37 words long, telling why you know from your own experience that there is no better sugar than pure, 100%-American Beet Sugar. Somewhere in your letter include these 12 words: "I KNOW THERE IS NO BETTER SUGAR THAN PURE BEET SUGAR BECAUSE..." Your chances of winning a prize are better than usual, because this Contest is being held only in the Western States, where the famous brands of Beet Sugar are sold.

POINTERS TO HELP YOU WIN. Millions of U. S. housewives know that pure Beet Sugar gives the best possible results in all types of cooking, and for table use, too. Jelly prize-winners know that Beet Sugar can be used with complete confidence in jams, jellies, and preserves. The experts all agree that Beet Sugar can't be surpassed—for sweetness, purity, whiteness, or fineness. **IMPORTANT!** Beet Sugar is a 100%-American product. When you buy Beet Sugar you are supporting an important Western industry.

FIRST PRIZE \$5,000 IN CASH. 2nd prize, \$2,000. 3rd prize, \$1,000. 4th prize, \$500. 10 prizes of \$100 each. 50 prizes of \$10 each.

Plus this gift for every person who enters the Contest... a free copy of our new recipe booklet, "What Could Be Sweeter?" Full of interesting sugar facts and fun-to-try recipes. You'll want this booklet for your kitchen library!



CONTEST RULES

(READ CAREFULLY)

Easy to enter—read these simple rules:

1. Complete this statement in 25 additional words or less: "I know there is no better sugar than pure Beet Sugar because..." Use any plain paper but write on one side of paper only. Please write your name and address legibly.
2. You don't have to buy, sell, or enclose anything.
3. Mail your entries to Western Beet Sugar, Post Office Box 3678, San Francisco 19, California. Entries must have adequate postage.
4. Contest opens April 13, 1950 and all entries must be postmarked prior to midnight, May 25, 1950 and be received by May 31, 1950.
5. Only one entry per contestant, and the entry must be your own original effort and must be submitted in your own legal name. Only one prize to a winner.
6. Entries will be judged by The Reuben H. Donnelley Corporation on the basis of interest, originality and aptness of thought. Printed rules are appearing in selected newspapers throughout the Western States at the beginning of the contest.
7. Judges' decisions are final. Duplicate prizes in case of ties. Entries become property of Western Beet Sugar Producers, Inc., and none will be returned.
8. Contest open to residents of Washington, Oregon, California, Nevada, Arizona, New Mexico, Texas, Oklahoma, Kansas, Missouri, Iowa, Illinois, Minnesota, Wisconsin, Idaho, Montana, Utah, Wyoming, Colorado, North Dakota, South Dakota, Nebraska; except employees of the Western Beet Sugar Producers, Inc., and the member companies, their advertising agencies, judging organization, and their immediate families.
9. Contest subject to all Federal and State regulations.
10. Winners will be notified by mail approximately 5 weeks after contest closes. Winners lists will be sent upon receipt of self-addressed, stamped envelope.
11. When you submit an entry in this contest it is an express acceptance of these rules.

YOUR BEST BUY IS BEET SUGAR

WESTERN BEET SUGAR PRODUCERS, INC.

Look for these famous Western brands of PURE BEET SUGAR





Delightfully smooth is this Chocolate Creme of which the French are so proud.

Desserts That Please

By Florence McKinney

DSSERTS add that "sugar and spice and everything nice" at the end of even an ordinary meal. We Americans love desserts, perhaps more than any other people. Some of our desserts are traditional . . . pie and ice cream are truly ours alone. The famous French cooks are prouder of their creamy desserts than anything else they prepare. The skillful blending of milk and eggs and flavoring and the slow cooking makes the following French Chocolate Creme one of the best desserts you've ever tasted. We hope you try it.

French Chocolate Creme

2½ squares un-sweetened chocolate	½ to ⅔ cup sugar (beet or cane)
3 cups milk	¼ teaspoon salt
½ teaspoon vanilla	5 egg yolks

Melt chocolate in a little milk in top of double boiler over hot water. Add sugar and remaining milk and cook until chocolate is completely melted. Remove from heat and slowly stir into beaten egg yolks. Return to double boiler, cover and cook at simmering temperature for 20 to 30 minutes or until medium thick, stirring occasionally. Remove from heat and stir in vanilla. Pour into custard cups or serving dishes that have been rinsed in cold water. Chill. Serve cold with thin cream. Serves 6.

Empty!

There's simply no keeping a cookie jar filled
I'm about to give up in defeat!
Cookies vanish like snow on a stove
And still the kids aren't replete!

The very same fate awaits doughnuts and pies
And those in the know all admit,
That where his tummy's supposed to be
Each child has a bottomless pit!

—By Mary Holman Grimes.

Raisin Puff Pudding

6 tablespoons shortening	2¼ cups sifted flour
¾ cup sugar (beet or cane)	3 teaspoons baking powder
1½ teaspoons vanilla	¾ teaspoon salt
2 eggs	¾ cup milk
	1½ cups seedless raisins

Cream shortening and sugar together until fluffy. Add vanilla. Add eggs one at a time, beating well. Sift flour before measuring. Sift together flour, baking powder and salt. Add flour mixture and milk alternately to the shortening mixture, beating well after each addition. Stir in raisins. Pour batter into 8 greased custard

cups and bake in a moderate oven (350° F.) for 30 minutes. Serve with the following sauce.

Cranberry-Orange Sauce

⅓ cup sugar (beet or cane)	¾ cup cranberry juice
1½ tablespoons cornstarch	¼ cup orange juice
¼ teaspoon salt	1 tablespoon grated orange rind
	1½ tablespoons butter

Mix the dry ingredients together, then add remaining ingredients. Cook over low heat about 5 to 7 minutes or until clear, stirring constantly. Serve immediately over warm puddings.

Chocolate-Angel Pie

2 egg whites	½ cup finely chopped nuts
⅛ teaspoon salt	1 package (4 oz.) sweet cooking chocolate
⅛ teaspoon cream of tartar	3 tablespoons water
½ cup sifted sugar (beet or cane)	1 teaspoon vanilla
½ teaspoon vanilla	1 cup cream, whipped

Beat egg whites until foamy, add salt and cream of tartar and continue beating until mixture will stand in soft peaks. Add sugar gradually and continue beating until mixture is very stiff. Fold in nuts and ½ teaspoon vanilla. Turn into lightly-greased [Continued on Page 27].

Kansas Libraries



READERS of this department have read in previous columns that Andre S. Nielsen spent 2 weeks in Kansas recently to study the library situation. He talked libraries and found out what folks thought of them from the east to the west of our state. He wanted to know what Kansans thought of the libraries they now have, and what they would like to have in the future. He chatted with professional librarians, with teachers, with town and rural people to find what they were thinking.

He writes to us from his job in Evanston, Ill., where he is librarian: "I found friendliness and co-operation everywhere. The beauty of Kansas will make the trip memorable, and I am happy knowing that I will see still more of the state on future trips. Possibly more important was the enthusiasm I saw and heard for the development of Kansas libraries.

"I can say but little now on proposed plans for improvement and extension of libraries but as you all know, there is a need for better service. Many Kansans do not have any library service. Possibly half the population of the state falls in this category.

"Those who do have libraries find them of varying degrees of excellence. Many of them are poorly supported and have very limited facilities. Some are 'collections' of books. There actually is a broad gap between a book collection and true library service." Mr. Nielsen on this point promised to have something more to say at a future time.

His next comment tells us how we look to an outsider. He continues, "Kansas is a progressive state and has shown interest in education thru school systems. Libraries as well are a vital and important part of the educational system, but in this respect development has lagged. The people of Kansas who have seen this occur have sparked the movement for library improvement and extension, but it will require support from the grass roots."

In response to our invitation to readers to write us "what you think about your own library facilities," the following letter was received.

Dear Editor: Emerson said, "Our respect for a well-read man is praise enough of literature." If that is really true, the Garfield community should be highly respected, as it is definitely a reading community.

Garfield is a small town of between 300 and 400 people, just 10 miles from the county seat of Larned, but the whole community enjoys the privilege of using its very satisfactory library which is located in one well-lighted room of the attractive city building. The fact that the building also houses the fire engine and has one corner le-

gitimately barred off as the city jail (which to my knowledge has never had occasion to entertain a guest) does not detract from the coziness of the reading room.

Many years ago a literary group, the Alpha Club, originated the home library. It was not always convenient or possible to drive into Larned for reading material. They had in mind the older people and the children who were deprived the pleasure reading can bring. At that time there was no public place available for such a purpose, so one member, Mrs. A. H. Morrow, opened one room of her big home to be used as a public library. Books were donated by individuals and various organizations and there were many who took advantage of this opportunity.

Now, the Garfield Public Library is a thriving concern with shelves and tables of the latest reading material

Even a Pig

Every living thing, even a pig, can have a nervous breakdown if life becomes too confusing.—Mrs. Lydia A. Lynde.

available. Once a month the librarian goes to Larned and brings back current books from the pay shelves. Books of the old masters are property of the library itself, having been donated or bought from funds for that purpose.

At present the women of the Garfield American Legion auxiliary are in charge of the project. The number of hours the room is open each week changes with the various seasons and demand. Mrs. Oliver Howell is a capable and accommodating librarian willingly donating her time.

Our community is indeed fortunate in its awareness of the value of good reading. Perhaps a great deal of the credit for this should go to one English teacher in particular in the local high school, who has worked so untiringly for many years to instill just such an appreciation in the younger generation.

It is indeed a pleasant sight to pass the City Building and see a group of children come out with books under their arms. And we think it is an encouraging sight. Readers make thinkers, of which our world has an increasing and demanding need. Emerson phrased it neatly, didn't he?—By Mrs. G. S. Blackwell.

Desserts That Please

(Continued from Page 26)

8-inch pie pan and make a nest-like shell, building sides up 1/2 inch above edge of pan. Bake in a slow oven (300° F.) for 50 to 55 minutes. Cool.

Place chocolate and water in saucepan over low heat. Stir until chocolate is melted. Cook until thickened. Then add 1 teaspoon vanilla and fold in whipped cream. Turn into the meringue shell. Chill about 2 hours before serving. Makes 6 to 8 servings.

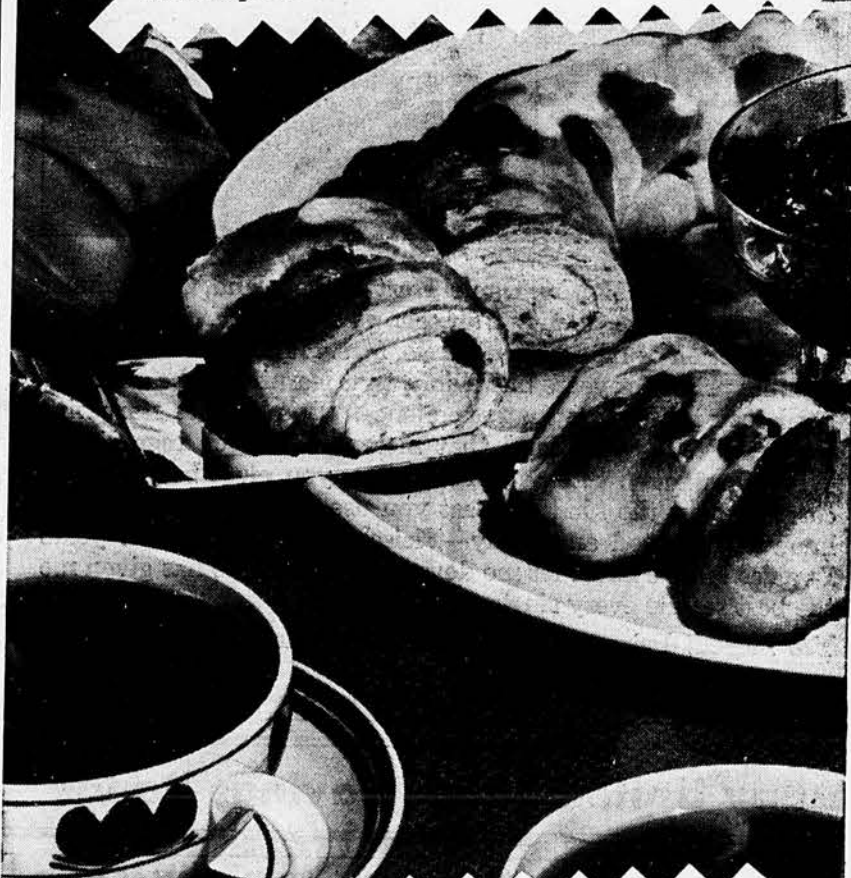
Lemon Sugar Cookies

1 cup butter	2 teaspoons
1 1/2 cups sugar	grated lemon peel
(beet or cane)	
3 eggs	5 cups sifted flour
3 tablespoons	1/2 teaspoon salt
lemon juice	colored sugar

Cream fat and sugar together, add beaten eggs, lemon juice and lemon peel. Stir in flour sifted with the salt. Roll on floured board, cut into desired shapes and sprinkle with plain or colored sugar. Bake in hot oven (400° F.) until barely brown. Makes 7 or 8 dozen cookies.

Sunday breakfast treat rich coffee ring and rich, hot coffee

Make it a gala breakfast . . . with this tempting coffee cake, and inviting cups of fragrant Hills Bros. Coffee. This is the coffee that gives you uniform flavor in every pound. It's a blend of the world's finest coffees, and "Controlled Roasting," an exclusive Hills Bros. process, roasts the blend a little at a time—continuously—for flavor-perfection. Hills Bros. Coffee is vacuum-packed for flavor freshness.



COFFEE RING

1 package hot roll mix	1 tablespoon softened butter
1/2 cup lukewarm water	1/2 cup brown sugar, firmly packed
3 tablespoons sugar	1/2 teaspoon cinnamon
2 tablespoons melted shortening	1/2 cup seedless raisins
1 egg	1/2 cup sifted confectioners' sugar

Sprinkle yeast from envelope in package of mix into lukewarm water; stir until dissolved. Add sugar, melted shortening, egg; beat well. Add contents of large package; stir until smooth. Grease top of dough, cover, and let rise in warm place until double in bulk. Cut dough several times with knife, turn onto floured board, knead about 30 strokes, roll into oblong about 12 by 7 inches. Spread with softened butter, sprinkle with brown sugar, cinnamon and raisins. Roll lengthwise, place on greased baking sheet, join ends to form ring. Cut ring with scissors in 2-inch slices almost to center, turning each slice so it lies partly on its side. Brush with melted shortening, let rise again until double in bulk. Bake in moderate oven (375° F.) 20 to 25 minutes until brown. Spread with confectioners' sugar moistened with 1 tablespoon hot milk.

Serve with Hills Bros. Coffee

Trademarks Reg. U.S. Pat. Off.

Copyright 1950—Hills Bros. Coffee, Inc.

Everybody
likes
Hills Bros
Coffee



What Do You Think?

Mrs. Homemaker, what do you think about library affairs in your community? We would like to have your letter, too.

Do you believe reading, other than newspapers and magazines, should be a part of the leisure time in every home? Do you have ideas as to the method of getting young folks to read? If they do not read, why not? Is there a library in your community which supplies new and good books to readers? How is it financed and managed?

Send your letters to us. We will be glad to hear from you.—
Florence McKinney, Women's Editor, Kansas Farmer, Topeka.

CLEVELAND WOMAN WINS COUNTY FAIR CONTEST



Prize-winning cook Mrs. Daniel Hart of Cleveland, Ohio, winner of the Cuyahoga County Fair, shows daughter Margaret, 17, her collection of blue-ribbon prizes. Mrs. Hart has been winning cooking prizes for years but claims that learning to be an extra-good cook takes more than experience. "You have to start with the best," she says, "and that means with your ingredients. When you bake at home, for instance, you must be especially careful about the kind of yeast you use. I use the one yeast I know that's good and lively—Fleischmann's. In all the years I've used it it's never let me down. Fleischmann's has given me the best results every single time."

Yes indeed! Prize-winning cooks prefer Fleischmann's Yeast.

Buy United States Savings Bonds

CONTINENTAL AIR LINES BLANKETS KANSAS



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

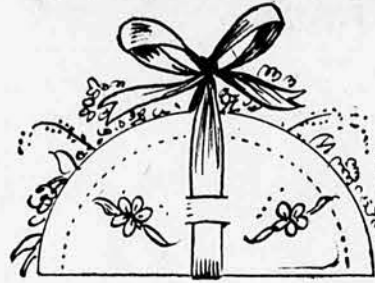
Continental offers time-saving service in luxurious 300 m. p. h.
Convair Liners or Douglas DC-3s.

**KANSAS CITY • TOPEKA • DENVER • TULSA •
COLORADO SPRINGS • WICHITA • SALINA •
HUTCHINSON • DODGE CITY • GARDEN CITY**

Direct Connections to Cities Everywhere

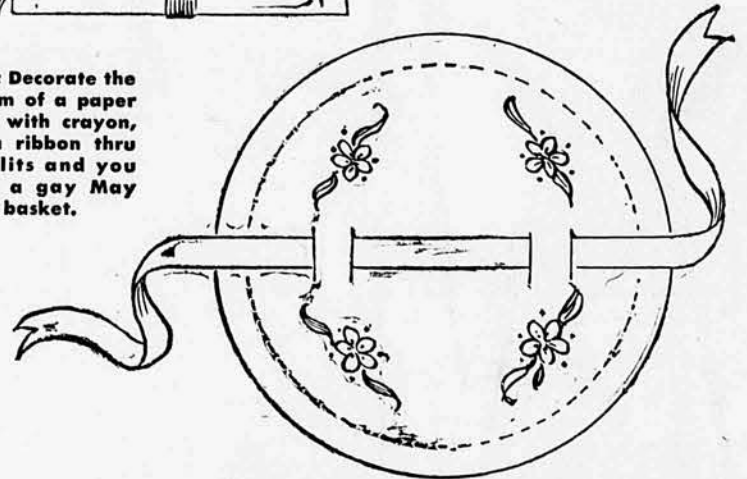
CONTINENTAL AIR LINES
FLY AND SHIP *The Blue Skyway*

For May Day Fun



Left: With flowers inside, a fold in the middle and a gay ribbon, the May basket will thrill a friend.

Right: Decorate the bottom of a paper plate with crayon, run a ribbon thru the slits and you have a gay May basket.



PAPER plates make sturdy baskets. Look at the illustration and cut slits with a razor blade as indicated. If florists ribbon is not at hand, cut a strip of pretty cloth about 3 inches wide to reach around and tie in a bow. Airy, crisp strips of too-long curtains or shiny, flowered silk or rayon make attractive ribbons.

The paper plates are plain white and crayon decorations on the sides make them more attractive. When the plate is folded to form a basket, place a narrow ruler across the center, then fold on either side. Pull the ribbon thru the slits carefully. If the cloth is wrinkled, press it well.

After the flowers have been arranged, be sure to start off with your baskets at once. May baskets, ever so nice to begin with, need to be hurried along for flowers wilt quickly. You might plunge the flowers up to their heads in water for several hours after picking so they absorb their fill of water. Such a novel basket carrying pretty garden flowers will thrill the heart of any friend.

Dean Paul Landis has this to say of wholesome parenthood, "The most wholesome attitude on the part of parents is to be affectionate without being indulgent, to be firm but reasonable."

Will Lighten Washday

A new rinse treatment has been developed which will make cotton clothes harder to soil and easier to wash. The new rinsing powder will be on the market soon for the use of the homemaker. A small quantity of the powder, known as CMC for its chemical formula, is dissolved in the final rinse water after washing. It gives the material a smooth coating which resists dirt, washes easier and with less soap.

This new powder is the result of research at the Institute of Textile Technology, sponsored by the USDA. About 3 level tablespoons of CMC to each gallon of rinse water improves the soil-resistance of the cotton material without changing the feel or appearance of the fabric. About 4 times that amount makes the fabric slightly stiffer when dry.

Cotton fabric rinsed in a one per cent solution of CMC proved 3 or 4 times more resistant to soil than untreated fabrics. Ordinary starch used on cotton clothing is of little help in removing soil.

Honey Dressing

Peel and slice oranges and dip the slices in honey, then in shredded coconut. Place slices on lettuce leaves and top with berries.

Cotton Bag Sewing

The new cotton bag sewing book is ready for distribution from the National Cotton Council of America. It is entitled, "Sew Easy With Cotton Bags," and contains many suggestions with illustrations, for dresses, smock, slacks, aprons, children's and infants needs, and clever things you can make for your home. For a free copy of the booklet, please address Farm Service Editor, Kansas Farmer, Topeka.

Farm Girl Is Candidate



FARM GIRL CANDIDATE: Dorothy Sheets, Shawnee county, is candidate for the national office of public relations chairman for the Future Homemakers of America. Good luck Dorothy!

Last month 1,700 vocational high-school girls from all over Kansas met in Topeka for their fourth annual meeting. While there, Dorothy Sheets, of Washburn Rural High School, Shawnee county, was nominated for the national office of public relations officer for the Future Homemakers of America.

The second national meeting of the FHA will be held in Kansas City, Mo., June 28 thru July 1. It is expected more than 2,000 high-school girls will attend. The organization is made up of junior and senior high-school girls studying vocational homemaking in 45 states and several territories including Hawaii and Puerto Rico.

Spring Sewing



9133
SIZES
11-17



4680
SIZES
12-20



9043
SIZES
10-16

9043—A frock designed to flatter, has crisp detachable collar. Sizes 10 to 16. Size 12 takes 3 1/4 yards; 1 yard of 35-inch contrast.

4680—This charming frock has a shirred yoked neckline and matching pouch pockets. Sizes 12 to 20. Size 16 requires 4 3/4 yards; 1/2 yard of 35-inch contrast.

9133—A dress to take you thru spring and summer; in Junior Miss sizes. Shirt is styled a new way. Sizes 11 to 17. Size 13 requires 4 1/4 yards of 39-inch material.



4679
SIZES
12-20
30-42



4512
SIZES
34-50



9004
SIZES
34-50



4702
SIZES
12-20

4679—Shirtfrock in a new way. Neckline and pockets are different. Sizes 12 to 20 and 34 to 42. Size 16 requires 3 5/8 yards of 39-inch material.

9004—A dress with a youthful air, a flattering gored skirt and cape sleeves. Sizes 34 to 50. Size 36 requires 4 1/2 yards of 39-inch material.

4512—Make a scalloped house dress. Sizes 34 to 50. Size 36 requires 4 5/8 yards of 35-inch material.

4702—Spring ensemble, skirt, bolero and blouse. Sizes 12 to 20. Size 16 requires 4 5/8 yards; blouse 1 3/4 yards of 39-inch material.

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



Speed Queen

"How I do a 7-load washing in ONE hour!"
by a Speed Queen User

SPEED QUEEN CORPORATION, 27 Doty St., Ripon, Wis.
Please send me a free copy of "How I Wash 7 Loads per Hour," written by a Speed Queen user.

Name

Address

City State

You Can Buy Advertised Products With Confidence!

3% SAVE BY MAIL

NOW—let your idle funds be earning a LIBERAL dividend. We've been paying at least 3% on savings for 20 years.

Current Rate
United Offers You — SECURITY - AVAILABILITY

UNITED BUILDING AND LOAN ASSOCIATION

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

Wonderful Results

Raising Baby Chicks

Mrs. Rhoades' letter will be of utmost interest to poultry raisers. Read her experience: "Dear Sir: I think I must be one of the very first to use Walko Tablets. Some 35 years ago when I started raising chicks I saw Walko Tablets advertised as an aid in preventing the spread of disease through contaminated drinking water. I tried a package for my baby chicks with happiest results. I have depended upon Walko Tablets ever since." Mrs. Ethel Rhoades, Shenandoah, Iowa.

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 60c, \$1.20, \$2.50 and \$4.00.

Walker Remedy Co. Waterloo, Iowa

HYER

Easy Going Comfort For 75 Years

For 75 years, men in the West have been riding in style and walking on air in their HYER Boots! HYER Boots are made from the finest materials obtainable... and expertly worked by master craftsmen. You can count on them to give you more comfort... more hard wear, and more style, whether you choose a service or dress boot. Available in a wide choice of stock designs... or custom made in your own design.

There's a HYER For Him • For Her

OUR 75TH YEAR

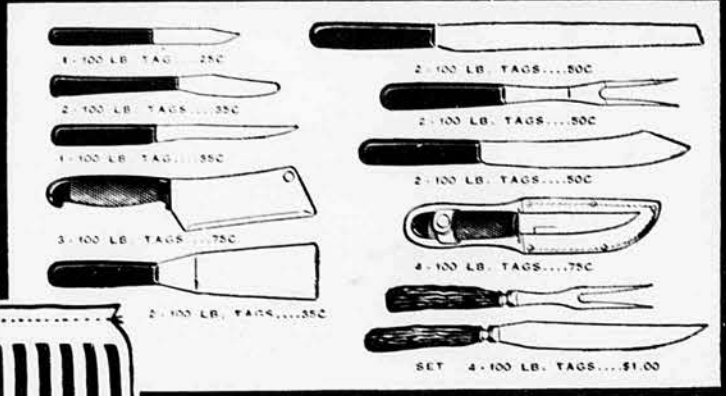
Ask Your Dealer or Write for FREE Catalog

C. H. Hyer and Sons, Inc.
Makers of Fine Boots Since 1875
OLATHE, KANSAS

Here's your chance to get a full set!



FAMOUS CATTARAUGUS CUTLERY



Only a few cents per item with tags from

LASSY

HOG AND POULTRY FEEDS

Fortified with A. P. F.

Talk about bargains! When have you seen Famous Cattaraugus Cutlery at prices like these. Especially when it's made of super-keen vanadium steel. It's one of the most sensational offers ever—and we're making it simply because we want you to try LASSY Feeds. See for yourself how LASSY gets baby chicks and pigs away to a flying start... helps them develop into husky, healthy profitmakers with big savings in time, work and money. So take advantage of this generous offer now. See your dealer today! Get a supply of LASSY Feed. Send tags and coin to SCHREIBER MILLS, INC., ST. JOSEPH, MO. Remember, 2 tags from the 50 lb. bargain bundle equals one from a 100 lb. bag.

SCHREIBER MILLS, INC. ST. JOSEPH, MO.

Personal To Women With Nagging Backache

As we get older, stress and strain, over-exertion, excessive smoking or exposure to cold sometimes slows down kidney function. This may lead many folks to complain of nagging backache, loss of pep and energy, headaches and dizziness. Getting up nights or frequent passages may result from minor bladder irritations due to cold, dampness or dietary indiscretions. If your discomforts are due to these causes, don't wait, try Doan's Pills, a mild diuretic. Used successfully by millions for over 50 years. While these symptoms may often otherwise occur, it's amazing how many times Doan's give happy relief—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

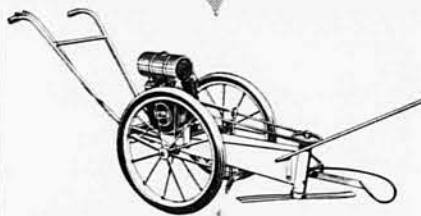
Mention **KANSAS FARMER** When Writing Advertisers

CURRENT DIVIDENDS Savings
FEDERALLY INSURED Savings accounts insured up to \$5,000. Amounts from \$5 to \$5,000 accepted. Our 26th year of service. A \$3 1/2 monthly savings institution. Save-By-Mail. Send post card for information. Dept. D.

EUREKA FEDERAL Savings and Loan Association
F. J. "Pat" McCue, President
EUREKA, KANSAS
El Dorado Emporio

TAKES THE WORK OUT OF WEEDS

ESSENTIAL EQUIPMENT FOR NEATER FARMS



ROOF the Original Fence Row WEED CUTTER

MOWS EVERYTHING from tough blue grass to light brush, sweeping neat and clean—close to the ground—in half the time! Mows lawns, too!

CUTS CLOSER within 1/4" of fence rows, trees, buildings. Special guard bar protects blade.

SAVES TIME, EFFORT! No more heavy scything, or other half-way measures. Fence-Row mows cleaner with effortless operation.

SAW ATTACHMENT—optional equipment—for cutting heavy brush, light timber.

OPTIONAL FORWARD DRIVE with new, trouble-free Self-Propeller. See your dealer, or write for special folder on keeping your farm **LOOKING LIKE A MILLION.**

ROOF WELDING WORKS PONTIAC 6, ILLINOIS

Women's Meetings To Be Held

Home Demonstration Week Celebrated



Members of the Kansas Home Demonstration Council and the Kansas State College Extension Staff, from left to right, seated: Mrs. Paul Edgar, Topeka; Mrs. R. E. Mehl, Kinsley; Mrs. Hilton Waite, Scandia; Mrs. Earl Simmons, Ashland; Mrs. Hugh Needham, Muscotah; Mrs. Orville Burtis, Manhattan; Mrs. John Burge, Lyons; Mrs. Verne Alden, Wellsville. Standing, left to right Ella M. Meyer, southwest district agent; Mrs. Velma G. Huston, northwest; Georgiana Smurthwaite, state leader; Margaret K. Burtis, eastern district agent. This group serve the Kansas women enrolled in the home demonstration program.

TWELVE district meetings, gala all-day affairs featuring speakers, discussions, luncheons, friendship teas, leadership awards and county choruses, headline the Kansas observance of National Home Demonstration Week, April 30 to May 6.

All home demonstration unit members and friends are invited to take part in at least one of these meetings. Dates and places are: May 2, St. Marys, LaCrosse, Leoti; May 3, Ulysses, Norton, Atchison; May 4, Pittsburg, Concordia, Greensburg; May 5, Abilene, Kingman and El Dorado.

Dr. Leigh Baker, head of the department of education, Kansas State College, will be top speaker at the 4 eastern district meetings at St. Marys, Atchison, Pittsburg and El Dorado.

His subject will be "The Homemaker, Our Most Important Educator," says Margaret K. Burtis, eastern district home agent.

Mrs. Verne Alden, Wellsville, president of the State Home Demonstration Council, will make the rounds of the northwest district meetings, says Mrs. Velma G. Huston, district agent. Her subject will be "Home Demonstration Work, Our Program."

Ella M. Meyer, district agent for Southwest Kansas, reports local speakers will discuss international friendship and understanding. County choruses will appear on programs and luncheons will be planned.

Leadership recognition of volunteer leaders for 15, 20 and 25 years will be a part of each meeting.

It is a tragedy for a child to lose his parents in death. It is a greater tragedy for him to be estranged from his parents while living with them. Children secure in having parents who provide for their material wants may be the most insecure of all in spirit. They are orphans, psychological orphans. Children need love, demonstrated in happy companionship.

Be Thrifty In 1950!

It's possible, you know, to grow your own 9-months supply of vegetables right in the garden. That's the thrifty way to do it but it does require a bit of planning.

First, it takes successive plantings, which means several plantings of lettuce, spinach, carrots and kale. These will supply your family with those green and yellow vegetables of which you need a serving every day for good health. Then green beans can be planted again and again, right into the fall, in fact. Then you'll have fresh beans for the table and quick freezing, a little at a time instead of bushels ready to harvest all at once.

And that brings up the question of saving your back... in saving your back you save energy. Don't stoop over from the waist... instead, rest one knee on the ground, keep the other forward when you plant and gather vegetables.



Do This



Not This

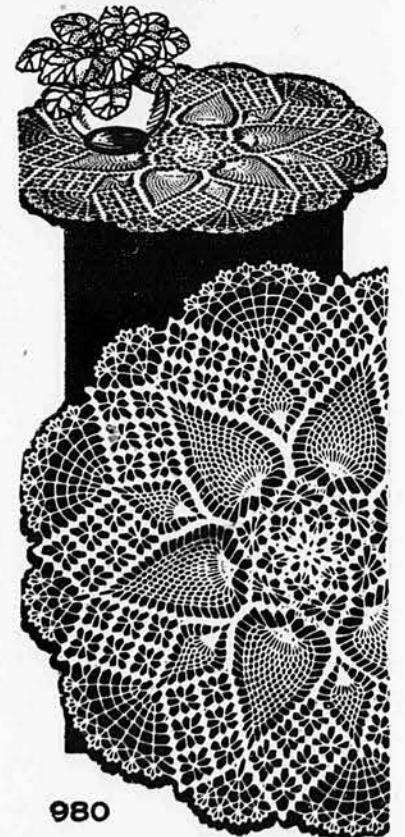
Spring

When I looked outdoors Spring was there. Where? Everywhere! Birds singing, plants greening.

When I looked indoors There were chores. Where? Everywhere! Spring cleaning.

—By Pauline Bender Rhoden.

New and Simple



It's easy, it's effective, it's done in your 2 favorite crochet designs. Make a complete luncheon set. Large doily size is 18 inches in No. 30 cotton. Pattern 980 includes directions and comes in 2 sizes.

Send 20 cents for pattern to the Needlework Editor, Kansas Farmer, Topeka.

Weeds

(Continued from Page 24)

about 4 inches below the surface and leave the stubble on top practically undisturbed thruout the season to hold the soil from washing.

Good Results in McPherson

Weed control research similar to that carried on at Hays, but under somewhat different soil and climatic conditions, has been under way at Canton in McPherson county since 1941. Eighty acres of bindweed-infested land were leased by the state and work carried on with fallow, competitive crops, and chemicals. Here again intensive fallow and growing wheat or sowed sorghums as competitive crops eliminated bindweed in 2 to 3 years. Success was achieved in control of cheat in wheat by delaying wheat seeding until October 5 to 10, and practicing thoro cultivation just before planting wheat.

Weed Control With Chemicals

An outstanding discovery was announced in 1942. It was a new weed-killing chemical which when sprayed on kills weeds but leaves the grass uninjured—a claim almost too good to be true. This chemical is designated as 2,4-D which is short for 2,4-Dichloro-phenoxy-acetic acid. It is classified as a synthetic hormone or growth regulating substance. The chemical is so highly potent a fraction of a pound properly distributed will produce 100 per cent kill of all broad-leaved weeds on an acre.

Wheat Saved by Spray

2,4-D now is being applied by spray outfits mounted on tractors, in the back of pickup trucks, on trailers or on airplanes. In 1948 a half million acres of wheat were sprayed. More than 100,000 acres of this was so weedy it would have been a total loss had it not been treated. Cost of treating was about \$2 an acre. Last year a still greater acreage was treated.

Total of all crops sprayed in Kansas in 1949, including pastures, is estimated at one million acres. Woody plants such as sumac, buckbrush, skunkbrush, sand sagebrush, and sprouts of many trees may be eliminated from pastures by this chemical.

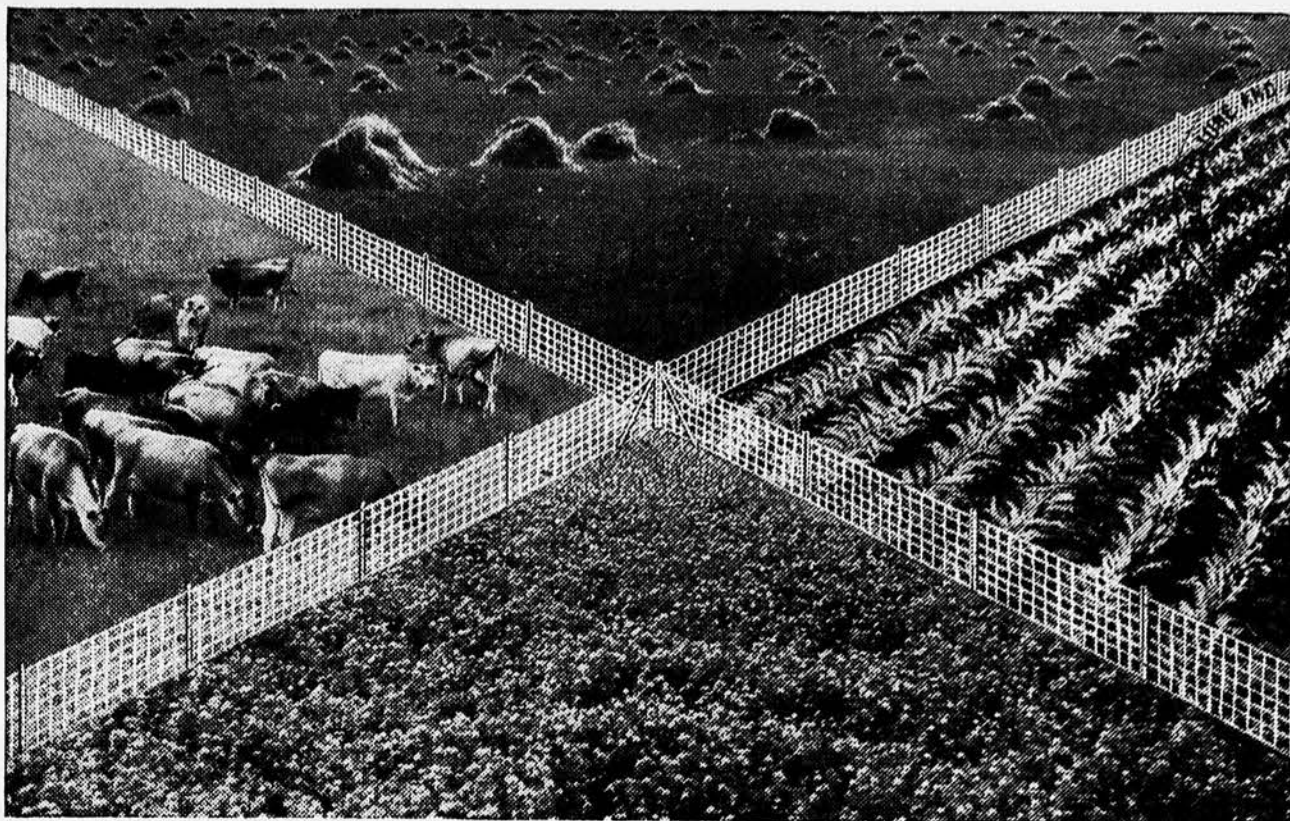
Still more recently a chemical closely related to 2,4-D known as 2,4,5-T has become available. It is effective on Osage hedge, wild blackberry and mesquite while 2,4-D has little or no effect on these species. On most other species its action is similar to that of 2,4-D.

Winning the Weed War

Most recent discovery is means of control for noxious perennial grasses and prickly pear cactus with sodium or ammonium trichloroacetate. This was announced by the Kansas Agricultural Experiment Station in January, 1949, in its Circular No. 255. This is the first chemical found to be fully effective in killing prickly pear cactus. Prior to this grubbing plants by hand and hauling them from the field was the recommended method of control. Now they may be sprayed with a solution of 1 pound of TCA to 2 gallons of water and the plants decay within a few months. It will be recalled that grasses are not affected by 2,4-D but most broad-leaved plants are susceptible to it. TCA now has become the desired supplement to 2,4-D in that it will kill such troublesome grasses as quackgrass, Bermudagrass, muhlenbergia, and Johnson grass. Truly this chemical warfare against weeds is taking its toll and we seem to be winning what has been called the never-ending fight against weeds.

What of the Future

Where do we go from here? There is much yet to be done in weed control with selective chemicals. Some progress has been made in use of chemicals in horticultural crops. The aromatic oils, the cyanates, the dinitro compounds, and a dozen others show promise. Selective chemicals that will control weeds in flax, in soybeans, in potatoes, in strawberries, and garden vegetables, without damaging the crops are needed. Likewise, we need one that will remove cheat and chess from brome grass, crabgrass from the lawns, and weeds from the waning alfalfa field. The last 50 years have brought developments that were never dreamed of at the turn of the century. "Where do we go from here?"



SHEFFIELD FENCE

See Your Neighborhood SHEFFIELD Fence Dealer Today

Tell him your requirements so that he can be sure of providing you with Sheffield—the fence that is constructed with—

1. An extra wrap on top and bottom strands to add strength where strain is greatest.
2. Longer, tightly wrapped hinge joint knots on the line wires to give it backbone.
3. Heavy uniform coat of zinc perfectly bonded to steel wire for longer life.

It requires more steel to construct Sheffield Fence—but it costs no more.

SHEFFIELD Bolts and Nuts Last Longer, Too!



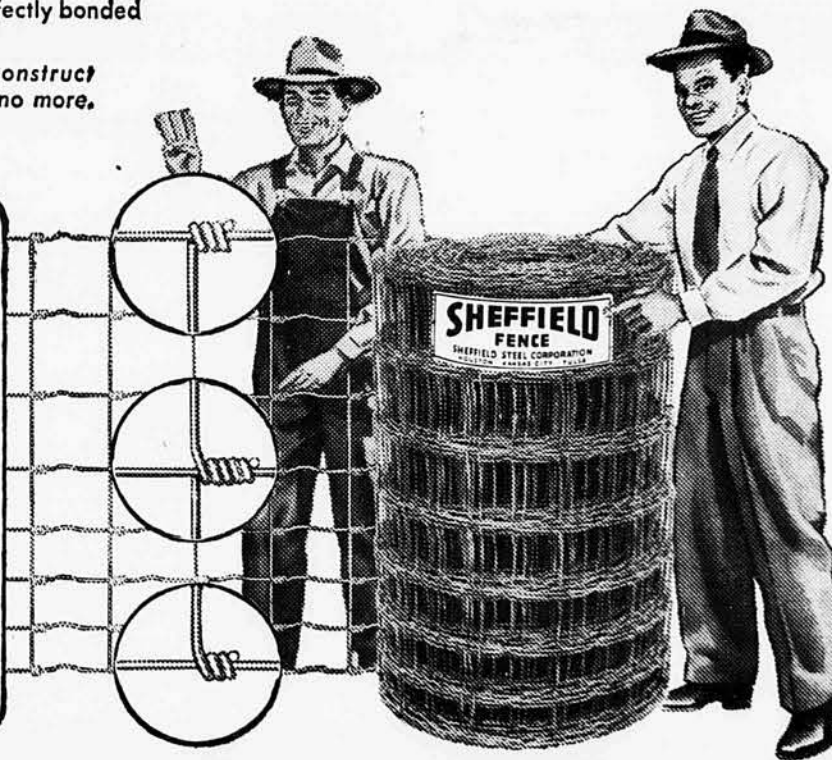
Since 1888 stronger bolts and nuts for every purpose have been made by Sheffield. Your neighborhood dealer has them in the new handy dispenser box

Serves Vital Role in Changing Land Use

There are many sound reasons why farmers are expanding grass and legume acreage.

1. Legumes and grasses make the best use of land no longer needed for crops now in over-supply.
2. They lower cost of meat and milk production.
3. They increase crop production efficiency because most the harvesting is done by livestock.
4. They contribute greatly to soil conservation.

Authorities developing the National Foundation land use plan say 25% more legume and grass acreage is required to balance agricultural production. Changing land use calls for more and more woven wire fence. Demand for Sheffield Fence continues to crowd production because farmers are out to get the biggest fence value today's dollar will buy.



SHEFFIELD STEEL CORPORATION

HOUSTON KANSAS CITY TULSA



DISTRICT SALES OFFICES: Chicago, Ill.; St. Louis, Mo.; Des Moines, Ia.; Omaha, Nebr.; Wichita, Kans.; Denver, Colo.; Oklahoma City, Okla.; Dallas, Tex.; San Antonio, Tex.; Lubbock, Tex.; El Paso, Tex.; New Orleans, La.; Shreveport, La.

"JUST ABOUT IMPOSSIBLE TO LOSE ANY GRAIN"

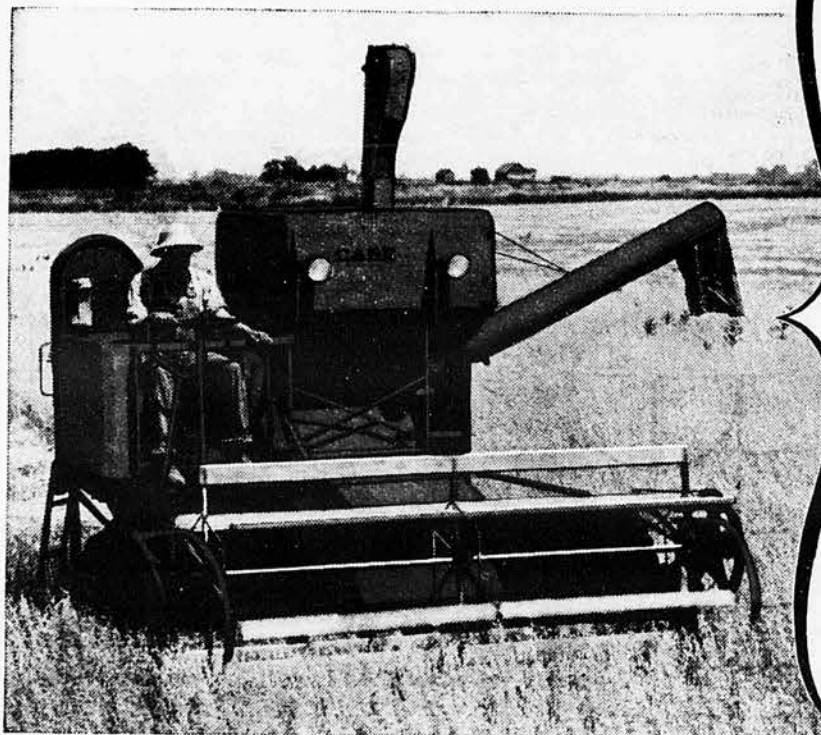
12-ft. "K-2" combine below 9 ft. Self-Propelled

"My 'K' combine has given six years of good service at minimum expense," says Frank Feser. In 1949 I purchased another Case combine, a 'K-2.' It is quiet, smooth-running, and certainly has capacity for handling heavy grain, delivering an even flow into the cylinder which prevents slugging. The new construction of this 'K-2' just about makes it impossible to carry over or lose any grain in tailings or straw.



PULL-TYPE...OR
Self-Propelled

YOU GET MORE IN A CASE COMBINE



Bryce McDowell writes: "Two years ago I hired three custom operators to combine 700 acres of wheat and flax. One of them had a Case 'K-2.' It harvested more acres in less time and did nicer, cleaner work. In hauling to market there was no dockage at all on the grain combined with the 'K-2.' This demonstration induced me to purchase a 'K-2' combine to harvest my 1949 crop myself."

✓ **Full-width feeding.** Uniflow auger and undershot feeder-rake feed evenly, steadily—keep cylinder busy clear across.

✓ **Choice of cylinder.** Rub-bar is regular — spike-tooth optional. For tough crops or severe conditions as well as normal harvest.

✓ **Extra-long straw rack.** Straw stretches thin, loose—helps agitator action shake out every possible kernel of grain.

✓ **Air-lift cleaning.** Uniform air pressure under sieves holds chaff up, keeps openings clear, lets seeds fall free and clean.

✓ **Built-in hydraulic control.** A touch gives fast, smooth, accurate adjustment of header. No lubrication problem.

✓ **Variable speed drive of self-propelled models** adjusts field speed to suit crop — without stopping or shifting gears.

NOTHING COUNTS LIKE EXPERIENCE

In every size and type of Case combine you get all the experience from 108 years of building grain and seed-saving machines. Besides the 9 and 12-foot Self-Propelled and pull-type models, there is the 6-foot "A," America's favorite combine, famous for clean work in the widest variety of crops and conditions, also the low-cost "F-2," just right for power-take-off operation with 2-plow tractors, and the Model "V-2" hillside combine. See your Case dealer now about the model that fits your farming. Be sure to use the coupon.



PASTE ON PENNY POSTCARD

Send for latest combine catalog. Mark machines that interest you. Mail to J. I. Case Co., Dept. D-47, Racine, Wisconsin.

- Self-Propelled combines
- 12-foot "K-2" combine
- 9-foot "M-2" combine
- 6-ft. "A" combine
- 5-ft. "F-2" combine
- Windrowers

NAME _____

POSTOFFICE _____

RFD _____ STATE _____

Coming Events

- April 17—Riley county beef tour.
- April 17—Nemaha county, Angus banquet, Hiawatha.
- April 17-18—Decatur county, Oberlin machinery show sponsored by the Oberlin machinery dealers, Oberlin.
- April 17-19—Barton county, business transactions lesson, Great Bend.
- April 17-19—Reno county, State 4-H leaders conference, Hutchinson.
- April 18—Osage county home management training school for unit project leaders.
- April 18—Geary county spring beef tour, M. B. Powell, specialist.
- April 18—Ellsworth county, poultry for the most profit, M. E. Jackson, leader.
- April 19—Nemaha county, Rural Life Meeting.
- April 19—Lincoln county poultry school.
- April 19—Cherokee county, poultry production school, M. A. Seaton, leader, Columbus.
- April 19—Neosho county beef cattle production meeting, with Lot Taylor.
- April 20—Lincoln county spring Hereford show, Floyd Sowers farm, Vesper.
- April 20—Phillips county, engineering meeting, Phillipsburg.
- April 20—Ottawa county, poultry meeting, Farm Bureau basement, Ottawa.
- April 20—Sedgwick county, Visiting orchards with W. G. Amstein.
- April 20—Johnson county 4-H foods project leaders meeting, Olathe.
- April 21—Chase county, M. B. Powell, Extension beef specialist in county.
- April 21—Scott county, architecture and wiring meeting with Leo T. Wendling and Harold Stover.
- April 21—Cherokee county beef tour and beef production school, Lot Taylor, Extension specialist, leader.
- April 21—Osborne county rural electrification and farm structure school, Murlin Hodgell and Harold H. Ramsour, leaders.
- April 22—District 4-H Club day for northwest district.
- April 22—Wabaunsee county spring beef show, Alma fair barn.
- April 22—Sedgwick county lamb and wool show.
- April 22—Ellsworth county, district 4-H Club day.
- April 22—Riley county spring beef show, Manhattan.
- April 22—Cheyenne county, District 4-H Club day, Hays.
- April 24—Dickinson county spring lamb and wool school, Abilene.
- April 24—Osborne county lamb and wool school, Carl Elling, leader.
- April 24—Ottawa county, beef and farm structures school.
- April 24—Ford county, landscape demonstration, Charles Parks.
- April 25—Shawnee county, agriculture meeting with R. C. Lind and Walter Shelby.
- April 25—Cloud county, livestock structures school, Leo Wendling and M. B. Powell, leaders.
- April 25—Sedgwick county, District Jersey show, Cheney.
- April 26—Sedgwick county, District lamb and wool show, Wichita.
- April 27—Johnson county, waterway shaping and terrace demonstration.
- April 28—Pottawatomie county soil conservation field day with R. C. Lind, Extension soil conservationist, and Walter Selby, Extension agricultural engineer.
- April 28—Shawnee county horticulture meeting, with W. G. Amstein.
- April 28—Ellis county, 4-H and FFA judging school, Experiment Station, Hays.
- April 29—Osage county spring feeders day for 4-H Club members.
- April 29—Ellis county, Annual Round-up and Feeders Day, Experiment Station, Hays.
- May 1—Pottawatomie county, home demonstration unit leaders training lesson on "Making a Tailored Wash Dress."
- May 1—Wabaunsee county lamb and wool show.
- May 1—Wabaunsee county poultry tour and clinic with M. A. Seaton, poultry specialist, assisting.
- May 1—Johnson county-wide membership tea, Olathe.
- May 1-2—Vocational Agriculture judging and farm mechanics contest, 22nd annual program, Kansas FFA, State high school, Manhattan.
- May 1-6—National Home Demonstration week.
- May 2—Marion county will have entries in the Lamb and Wool school, Kansas City.
- May 2—Washington county, farm wind-break plantings, with Paul Collins.
- May 2—Pottawatomie county, National Home Demonstration week celebration with 8 counties, St. Marys, Armory, 10 a. m. to 3 p. m. Dr. Leigh Baker, head, Educational Department, KSC, speaker.
- May 3—Johnson county joins in celebration of National Home Demonstration week, Atchison.
- May 3—Elk county, soil conservation meeting, R. C. Lind, Kansas State College, speaker.
- May 3—All State Black & White Show, Stockton.
- May 3—Norton county, 11 counties celebrate National Home Demonstration week, Norton.
- May 3—Washington county, Unit leaders training meeting on nutrition, with Mary G. Fletcher.
- May 3-4—Barton county, Tractor show, Great Bend.
- May 4—Jewell county shelterbelt management demonstration with Paul Collins.

He's "Over the Hump" And Farm Is Paying

IT WOULD take something special to keep Clarence Vaught, of Jackson county, off the farm. After serving on the West Coast on guard duty in 1941, he spent 10 months in France, where he went thru 4 major battle campaigns. He was awarded the Bronze Star and Purple Heart, with cluster, and discharged from service in May, 1945.

By September, 1946, he had found and purchased a 160-acre farm just a mile from his parents, Mr. and Mrs. John Vaught, and began his farming career.

The going since then has been rough at times, and Clarence would be the first to admit he has been discouraged occasionally. But he feels now he is over the hump and farming will not be so difficult ahead.

Clarence bought his farm with a GI loan and, like many other returning service men, found all good farms were



CLARENCE VAUGHT, Jackson county war veteran, increased his dairy herd income an average of \$175 a month by changing to grade-A. He is putting his entire farm back to grass and legumes.

either taken or he couldn't finance their purchase. His 160 acres had about 25 acres in grass and the rest was very poor cropland.

All of it was badly eroded with some fields so badly ditched they had to be farmed in pieces. Seven or 8 acres in one field had been completely abandoned.

Has 90 Acres Protected

First big job for Clarence was to terrace as much of the farm as possible and he has about 90 acres protected to date. He has done all the work himself and laid his first terraces with a carpenter's level before there was a Soil Conservation District in Jackson county. He has used his tractor and moldboard plow for building terraces and has become good enough at it to win first place in the county and seventh place in the state terracing contest.

His terraced fields have been limed 2 tons an acre and a wheat-sweet clover seeding program used to build up the soil. Wheat is phosphated at the rate of 100 pounds of 45 per cent phosphate an acre. This program of terracing, liming and phosphating has paid off in crop yields. The field that once had been partially abandoned last year produced 21 bushels of wheat an acre. His

terraced land averaged 10 bushels an acre more than the unterraced.

What Clarence really is trying to do with his farm is change it over to a grass and legume farm for his dairy herd. He now has 47 acres in lespedeza, brome, sweet clover, and red clover for pasture. Eventually, he will have 120 acres in grasses and legumes, including 30 acres of alfalfa for hay production.

Pasture 9 to 10 Months

When he gets everything worked out, he will have pasture 9 to 10 months out of the year. Will have sweet clover and brome for spring and fall pasture, lespedeza thru July and August, and wheat pasture some years. Grain and silage will be raised on rented farmland and what cash grains are to be raised also will be on rented land.

The dairy herd on the Vaught farm consists now of 12 head milking. They are mostly Holsteins and Clarence is working toward an all-Holstein herd.

Until last winter, Clarence was separating his milk and selling cream. He decided to remodel his old barn for grade-A production. By doing all his own work he held the cost down to \$275 actual cash. Going to grade-A raised his income \$225 the first month, and his milk has brought him an average of \$175 more a month since changing over. "Remodeling my barn was the best money I ever spent," he says.

Clarence gives the Veterans On-the-Farm Training program credit for helping him a lot. "My subsistence payments made it possible for me to build more terraces, to use more lime and fertilizer, to paint the house, and to wire the farm for electricity," he says. A. B. Davidson, special instructor in the veterans program, has been helping him with his cropping and dairy problems.

Clarence weighs the milk from his cows under a self-testing program and tests once a month, using equipment at the training school, in Meriden.

Poultry will be a secondary project on the Vaught farm. Clarence plans on carrying about 250 laying hens.

"I have felt like quitting sometimes," says Clarence, "but now I can see some progress has been made and the farm is about ready to start paying me back for my trouble and expense."

Holstein Show Dates

We wish to make a correction in dairy-judging dates for Holstein-Friesians which were listed in the April 1 issue of Kansas Farmer. The corrected dates and locations are:

Southeast, Parsons, April 19; East Central, Paola, April 20; Capitol, Topeka, April 21; Northeast, Horton, April 22; North Central, Linn, April 24; Northwest, Norton, April 25; West Central, Lyons, April 27; Ark Valley, Newton, April 28; South Central, Pratt, April 29; Central, Salina, April 29.

Better Butterfat

Rations of dairy cows have no significant effect on the vitamin C content of their milk, according to research results at Kansas State College. However, the amount of fat soluble vitamins, such as vitamin A, is definitely related to the amount of carotene in the feed.

Research at Kansas State has shown that cows fed on carotene-rich feed have greater amounts of vitamin A and carotene in their butterfat.



HERE MR. VAUGHT, right, and A. B. Davidson, special instructor in the Veterans On-the-Farm Training program, look over one of Mr. Vaught's plow terraces. Clarence has done all his own terracing.

ONE STANDS OUT



Among Iowa
Farm Girls

it's
Virginia Orton!

In 6 years of farm club work, Virginia has made 26 talks and given 7 demonstrations of her work. Winner of 75 blue ribbons in local competition, 60 in the county and 3 on State Fair exhibits, she is a blue-ribbon style show girl in Black Hawk County, Iowa. An expert at baking and sewing, her favorite project is refinishing antique furniture. The table in the picture is over 100 years old. In addition to all of this activity, Virginia carried a livestock project for two years.

Among
Motor Oils

It's



HI-V-I!

HI-V-I's the oil for spring! It's got power to penetrate for instant, safe lubrication

during changeable spring temperatures. Extra-rich . . . extra-tough . . . HI-V-I stands up when the going is rough! There's a big job ahead for farm machinery and HI-V-I helps do it, with less engine wear. Greater resistance to high speeds, pressure and temperatures makes HI-V-I the safest motor oil for spring and summer use. Try HI-V-I! It is refined from premium Mid-Continent crude oil . . . 100% pure!

a product of
CHAMPLIN REFINING COMPANY
Enid, Oklahoma
Producers, Refiners, Distributors
of Quality Petroleum Products
Since 1916

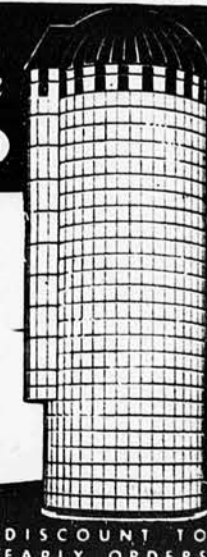


\$37 DELIVERS
THIS Genuine
DODSON SILO

Here's a bargain for you . . . and for your hungry livestock. A Dodson "Red and White Top" Silo will furnish your livestock the cheapest feed possible, and you can pay for it out of income.

Here's what Shelly Sudderth, of Nowata, Okla., has to say: "I know my Dodson Silo paid for itself last year. This year, since running out of silage, it takes \$12 a day to replace it with purchased alfalfa hay." Ask for "Grass Silage" by Louis Bromfield and details on silos and Dodson Farm Buildings.

DODSON MFG. CO., INC.
WICHITA and CONCORDIA
KANSAS



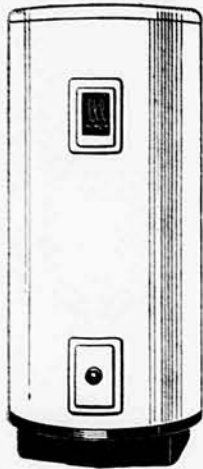
DISCOUNT TO
EARLY ORDERS

Enjoy Plenty of Hot Water The Carefree Electric Way!

THERE'S no "hot water problem" for your family with a TOASTMASTER Automatic Electric Water Heater! TOASTMASTER—the most respected name in home appliances—offers you the kind of hot water service you've always wanted—safe, silent, trouble-free, inexpensive!

As for convenience—your TOASTMASTER Water Heater gives you all the luxurious hot water you need, day and night—around the clock! Yes, hot water perfection — because all the great TOASTMASTER-designed features are at work for you!

And remember that every TOASTMASTER Water Heater is protected by a famous 10-year service warranty! Come in today—let us show you how you can enjoy perfect TOASTMASTER hot water service! We can arrange terms to fit your budget!



TOASTMASTER AUTOMATIC ELECTRIC WATER HEATER

No liming, even in hardest water. Exclusive "Lift-Belt" element distributes gentle heat over a wide area. Water never reaches scale-forming temperature. Burnouts are avoided. NO CORROSION, YEAR AFTER YEAR. Exclusive "Ionoic" system of internal tank protection prevents rust. Stops corrosion.

See your plumbing and heating or appliance dealer.

DISTRIBUTOR

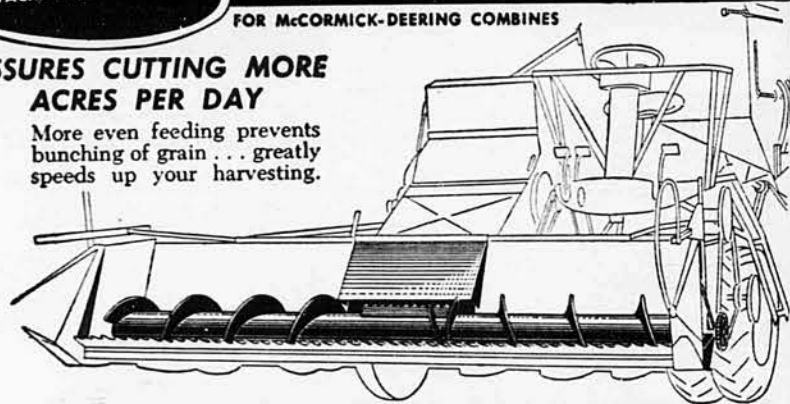
KANSAS CITY PUMP CO.
1308-22 West 11th St. Kansas City, Mo.

Buy United States Savings Bonds

HESSTON HEAVY-DUTY
MANUFACTURING CO. INC. - HESSTON, KANSAS
IMPROVEMENT PARTS AND ATTACHMENTS FOR COMBINES
STRAIGHT-THRU PLATFORM-AUGER
FOR McCORMICK-DEERING COMBINES

ASSURES CUTTING MORE ACRES PER DAY

More even feeding prevents bunching of grain . . . greatly speeds up your harvesting.



HESSTON STRAIGHT-THRU AUGER IS THE FINAL RESULT OF MANY FIELD TESTS

Used on McCormick-Deering Combines in the harvest fields last year. Its efficiency was closely observed in actual use, under all kinds of cutting conditions. Available for McCormick-Deering Models 122, 123SP and 125SP. Assures no bunching at feeder . . . eliminates slugging of cylinder and saves grain . . . no canvas trouble . . . no bearing trouble . . . and no vibration. Best of all, it's built to take the punishment of rapid harvesting.

MAIL TODAY!

PLEASE SEND FREE information about (check which):
 Combine Unloaders Straight-Thru Platform Auger
 V-Bars for Combines Electric Lifts for M-M Combines
 Platform Extension Bar for Maize Sorghum Harvesting

NAME (PLEASE PRINT) _____

TOWN _____

STATE _____

H-1050

Manufactured By
HESSTON MANUFACTURING CO., INC.

120 EVANS STREET, HESSTON, KANSAS

"We're Just Common Folks"

But What a Success They Are Making of Living!

By EULA MAE KELLY



LUNCH TIME for the Magette "men." From left to right: Max, Dad Magette, Louis, Stephen, Dick and Larry. Four-H Club projects of these lively Mitchell county boys fit into the family Balanced Farming and Family Living plan.

A KANSAS farm family that plans, works and plays together can make real progress. Such a family are the Frank Magettes who operate 900 acres 10 miles northwest of Beloit, in Mitchell county.

The Magettes—Dad and Mother, Marjorie Anne, 17, and the 5 boys—would be the first to say there is nothing unusual about their activities . . . "Why, we're just common folks trying to get along . . ." Yet if you visited them any day of the week, you would come away impressed with the quiet comradeship that is a part of their daily living, the intelligence with which every child is guided, and how wholeheartedly the family moves together toward common goals.

"If you want to know what Kansas Balanced Farming and Family Living can be like, you might try the Magette plan," was the comment of H. C. Love, Jr., Extension farm management specialist, Kansas State College, Manhattan. And Wendell A. Moyer, Mitchell county agricultural agent, who works with the Magettes in the county, thoroly agreed with him.

A 4-H Worker

"Four-H Club work has had a lot to do with us," said Frank Magette, quite-spoken father and widely-known county citizen. For 4 years he was community leader of the Loyal Workers 4-H Club, to which 4 of his 6 children belong. For the same number of years he served on the executive board of the Mitchell County Farm Bureau. Now he is township 4-H vice-president.

"And I know of nothing that gives children so much confidence or brings them out to do their best as does 4-H," rejoined brown-eyed Mrs. Magette. She is a long-time member of the Solomon Valley home demonstration unit.

Club projects fit into the family plans with the Magettes. So it was that Marjorie decided on baby clothes for a "Clothes for Special Occasions" project and helped outfit baby brother Stephen last summer. Then, too, taking complete charge of meal planning, preparation, and service for 9 during the time her mother was ill, could go under the formal title, "Helping With Dinner," but it was really much more than that.

This year 3 of the boys, Louis, 14, Max, 12, and Dick, 11, are taking

wheat. They will be learning from each other and from their father as they follow the cycle of the golden grain. Together, the 3 have 160 acres of Pawnee wheat.

The boys have worked right along with their Dad in the wheat fields, Mother put in, making 2 outfits in the field at once.

Louis (who is mightily relieved to have reached his 14th birthday so he can enter major 4-H competition) is the hog man of the family. He won the Sears-Roebuck registered gilt at the Mitchell county fair in 1948, and is continuing his success with the sow and litter project.

Saved 10 Pigs

In 1949 this original gilt, "Fair Queen," farrowed 12 pigs, 10 of which Louis saved and weaned. Seven of the pigs were gilts. Now there are 4 of these Duroc gilts due to farrow this spring. The 3 barrows from the first litter were marketed.

"I had a lot of fun watching the little pigs grow up," Louis volunteered.

For his age, Louis has a good beef record, too. In the fall of 1947 he showed the championship pen of 3 Shorthorns at the annual deferred-steer show and sale in Kansas City. Marjorie has shown calves at Wichita, and there are always Magette baby beef entries at the county show.

Mr. Magette always handles about 100 steers each year on the deferred system. The children have had experience with Shorthorns, Herefords and Angus.

"I buy as good feeder calves as I can in this part of the country," Mr. Magette explained. "The boys select their deferred-fed stuff from these."

Louis has carried both baby beef and deferred steers. Dick and Max both had baby beef last year. This year the family feels that Dick (11) can be responsible for the 200 New Hampshire pullets that make up the family laying flock.

Marjorie finished up 1949 by being named county achievement girl. She carried clothing, junior leadership, and food preparation.

"She," commented Mrs. Jim Bean, leader of the Loyal Workers 4-H Club, "is the kind who does so much she doesn't take time to get it all down on the record. The Magettes are fine

(Continued on Page 35)



FOUR SLEEK DUROC gilts, due to farrow this spring, are an important part of Louis Magette's 1950 4-H program.



THAT ALL-IMPORTANT hemline is being considered here by Mrs. Magette and Marjorie Anne, 17. Marjorie made the skirt in a sewing project.

work with because they are so dependable. It doesn't make any difference how large or how small the assignment, you know it will be taken care of."

"Either Mr. or Mrs. Magette, or both, are always at the meetings, helping in every way possible. Quentin Kelly (the other community leader) and I want to use Mr. Magette's experience and enthusiasm this year by making him project leader for the boys."

Marjorie gives her clothing leader, Mrs. H. C. Nelson, credit for good help. Then Mrs. Malcolm Willett is the girls' leader.

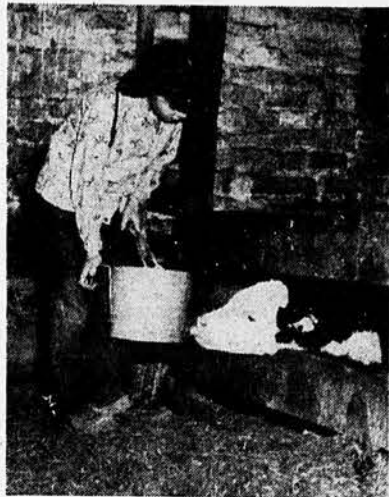
"The trouble with Marjorie and her sewing," commented her mother, "is that she is a little fast. Things really fly around here when she gets an idea to make a skirt or a dress. Every seam may not be perfect, but she does get

members. The boys are enthusiastic horsemen, with Max, Louis, Larry, and Dick with a stock pony apiece. Louis and Max belong to the Solomon Valley Saddle Club and the other 2 are potential members. Louis was a calf rider at the county rodeo last summer.

Remarked 10-year-old Larry, "We're looking around now for a horse for Stevie."

Stevie (for Stephen) is the rosy, good-natured 6-month-old baby—the pet of the whole family. The first thing Louis did with his deferred steer money was to buy a really good saddle.

The Magette farm home—nicely landscaped—has expanded to meet the needs of the family. Only last year a large upstairs room with bath was finished off for the boys' dormitory. Dormer windows were projected to the south. Kitchen renovation and new



LARRY MAGETTE, 10-year-old of the family, gives his husky white-faced calf his "bottle."

bathroom fixtures for the downstairs bath are next.

The large, well-equipped basement boasts a new coal stoker. The Magettes have been on an electric line for 11 years.

A comfortably large living room is the center of family fun.

"There always is a table up and a game going on around here," Mrs. Magette stated. "Now it's canasta."

This reminded Marjorie to ask her mother for hot cinnamon rolls for the gang after the basketball game the next night.

Outdoors one noted a well-used basketball goal, and standards for high jumping and pole vaulting.

What about future plans? Marjorie finishes at St. John's school in Beloit this spring. Then the family hopes for Merrymount College, at Salina, for a couple of years, followed by the last 2 years in home economics at Kansas State College. She thinks now she wants to be a dietitian.

For the boys? "We hope for Kansas State," Mrs. Magette answered.

The Wagon Is Out

Nearly 50 per cent of all U. S. farmers own either a truck or a trailer but only 2 1/2 per cent of farm produce is hauled to market in the old-fashioned wagon, reports the U. S. Department of Agriculture.

Many farm trucks are heavy duty, but a survey shows that about 40 per cent of all farm trucks are rated at half-ton capacity or less. Few farmers have both a truck and a trailer.

Insect Calendar

Gardeners will welcome the Kansas State College Extension leaflet, "Garden Insect Calendar." Insects may be divided into 2 general classes—those with chewing mouth parts, such as grasshoppers, beetles and caterpillars which eat plant tissue—and those with piercing-sucking mouth parts, such as aphids, squash bugs, stinkbugs, leaf hoppers. This leaflet will help you be on your guard in time for certain insects and suggests remedies for pests. Please address a post card to Bulletin Service, Kansas Farmer, Topeka, for a free copy of the leaflet.

the general effect and the style. There's one thing for sure, there's no time wasted."

Dick doesn't take to farming and work so readily as the other boys. He likes to work with mechanical things, so to encourage this trait, his main Christmas gift was a wood lathe. Marjorie, Max, and Louis, all play in the Mitchell County 4-H band—Marjorie, a clarinet; Louis, a trumpet; and Max, a trombone.

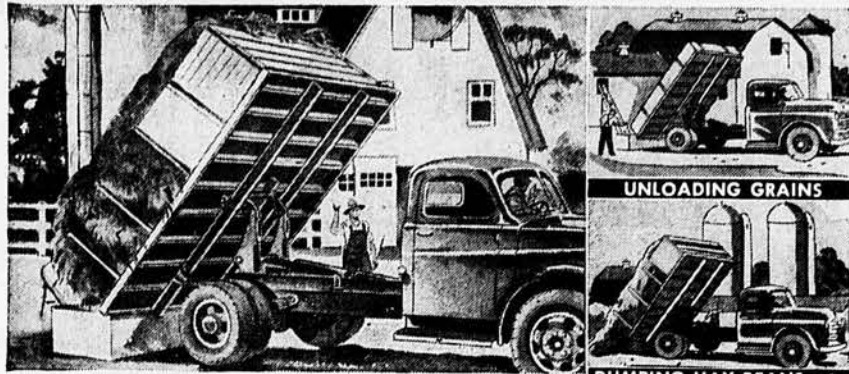
Judging and demonstrations are their interests of the Magette club

Please Be Careful

A little child, only 16 months old, playing in the farmyard at her home, was struck and killed by a tractor. She ran in front of the moving machine. A roomy playpen will protect the lives of little children too young to be aware of dangers around them.

In April—just a year ago—a young farmer was driving a tractor, disking a field, during an electric storm. He was struck by lightning and instantly killed. Machinery attracts lightning. It is a good safety measure to leave a machine during an electric storm.

An 82-year-old farmer was burning off a field. His clothing caught fire and he died of burns next day. This man, no doubt, was active in his work, as so many elderly Kansas farmers are. He did not realize handling field fires should be left to younger, more active men.—The Kansas State Board of Health.



YOU'LL DO MORE IN HALF THE TIME with NEW! IMPROVED!

GALION

PLATFORM and GRAIN BODY HOISTS

A powerful 10 ton Galion Platform hoist saves you hours of hard work handling grains and feeds—gives your truck new versatility! See your truck dealer or Galion distributor . . . today!

THE GALION ALLSTEEL BODY CO. Galion, Ohio

2 POPULAR MODELS
for every chassis, old or new
Model 752 — Capacity 10 tons with 14' body, 44" pivot, 12 1/2" mounting height.
Model 702 — Capacity 7 1/2 tons with 13 1/2' body, 45" pivot, 11" mounting height, CA dimen., 84"

Distributed by
EATON METAL PRODUCTS CORP., 110 N. Pershing St., Hutchinson
O'SHEA-ROGERS TRACTOR & EQUIPMENT CO., 301 N. 9th St., Lincoln, Nebr.

CUT FENCING COSTS

MODEL "U" POST HOLE DIGGER

Dig over 600 holes per day. Quickly mounted on any tractor. Replaceable tool-steel auger blade digs any soil. Hill adjustment. Patented fence guard. Saves lot of time and money.

WINPOWER
NEWTON, IOWA

WRITE FOR FREE FOLDER TODAY

HE'S FIXING THE FENCE TO KEEP US OUT...

HA! WE COULDN'T FIND THE CORN FOR THE WEEDS ANYWAY. HE SHOULD WRITE FOR THAT CIRCULAR ON THE LOW COST COMFORT FIELD SPRAYER

Write COMFORT Equipment Division
1919P Baltimore, Kansas City, Mo.

Buy United States Savings Bonds

Farnam SPRAYERS

Solve Your Sprayer Problems AT LOWER COST!

Why pay \$300 to \$600 for a power sprayer? You can buy a Farnam Port-A-Spray for only a little over \$100; or you can build your own livestock or crop spray rig with the Farnam Spray Unit or Trak-Tor Spray Kit.

FARM-SIZE SPRAY UNIT
Gives you "big sprayer" performance. Handles 90% of all farm spraying jobs.

TRAK-TOR Power Take-Off SPRAY KIT
Complete tractor-spray outfit. Farnam "non-corrosive" power take-off spray pump, plenty of spray hose, pressure regulator and gauge, by-pass valve, line strainers, adjustable livestock spray gun everything you need except the tank at an unbelievably low price.

This "mighty mite" of a power sprayer shoots a driving stream up to 25 ft., or adjusts to a cloud of mist. Sprays from 1 to 5 gals. per minute at pressure adjustable from 25 to 150 lbs. Easy to move about from one spray job to another. Sprays out of any tank anywhere. Ideal for building any type of spray rig. Supplied with gas engine or without.

Request ILLUSTRATED LITERATURE

The FARNAM EQUIPMENT CO. Dept. 321 OMAHA, NEBRASKA

Please send Illustrated Literature and your Low Prices on Farnam Sprayers.

Name _____
Address _____
City _____ State _____

FARMERS STEP UP PROFITS WITH "ON THE FARM" STORAGE

Sturdy, strong, fire-safe Quonsets enable farmers to take advantage of Government Price Support Program

Your best buy in farm buildings—

- quick erection
- fire-resistance
- maintenance-free

Quonset 32

Quonset 24

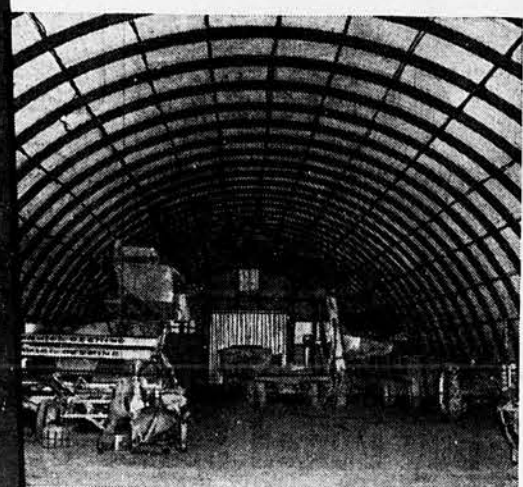
Quonset 40

STRAN-STEEL

Quonsets



Follow the example of farmers who store grain right on their own farms. Store your grain safely in Quonsets . . . hold it for peak prices. Quonsets meet all Commodity Credit Corporation requirements for crop storage . . . permit you to take full advantage of the Government Support Program at a low cost per bushel.



In the off season, Quonsets are ideal for equipment storage, general storage or for animal shelters! These wind-proof, fire-resistant, all-steel buildings provide maximum protection. Durable Quonsets require far less maintenance than most farm buildings.

See your dealer Today!

Northwest Distributing Company
Colby

Petersen Steel Building Company
Dodge City

Chas. A. Rayl Implement Company
19 West 2nd Street
Hutchinson

Kansas Industrial Products Co.
605 South Juliette Street
Manhattan

Wichita Steel Bldg. & Erection Co.
317 East 16th Street
Wichita

GREAT LAKES STEEL CORPORATION

Stran-Steel Division • Ecorse, Detroit 29, Michigan
UNIT OF NATIONAL STEEL CORPORATION

Central Steel Building Co.
1340 Burlington
North Kansas City 16, Missouri
(Distributor)

North Central Steel Company
202 East Washington Street
Osborne

John S. Notestine Company
North Main and Santa Fe Streets
Scott City

Kansas Industrial Products Co.
1212 West 8th Street
Topeka



Stran-Steel and Quonset
Reg. U. S. Pat. Off.

Have you heard—?

Notes on New Products of Interest to Farmers and the Folks Who Make Them

IT IS NOTABLE 2 manufacturers of farm equipment have announced plans for major buildings in the Kansas City area. Undoubtedly, strength of the farming area has a lot to do with it. International Harvester plans a 6-million-dollar development. And recent announcement of bids, together with a Fairbanks-Morse Company selection of a site for a scale manufacturing plant, gives us a good indication of what business thinks of farm conditions.

"Something new under the sun" fits this item more closely than do most applications of the phrase. The item is a new seedling plant protector made from transparent plastic sheeting that provides increased heat as well as easy inspection of the plant. The new under-the-sun item is called "Raydome," since it transmits more of the heat rays from the sun and is dome-shaped. The makers claim each unit will last several seasons.

In the poultry world comes an announcement from Lederle Laboratories of an entirely new live-virus vaccine to protect very young birds against Newcastle disease. The Lederle information claims that even day-old chicks can be safely protected by using the product which is administered by placing a single drop in one nostril of a chick. It also is claimed the immunity lasts until about one month before the chick is old enough for egg production.

Primarily for large acreage harvests and interesting to note is the John Deere solution to a problem involving the self-propelled combine. Certain sales resistance has been noted from farmers who already own a tractor, which they insist would be of little use if they owned a self-propelled machine. So John Deere is coming out this month with a new 12-foot, pull-type combine that is almost an exact duplicate of their self-propelled model. One man controls it from the tractor seat, operating the lift, the auger, or the clutch. The claim is that any 2-plow tractor provides enough power.

The root crop country has an interest in word of a new development in rubber-coated farm baskets which makes them a bright red. Makers of Androck baskets, the Washburn Company of Rockford, Ill., has added this colorful feature in order to reduce possibility of damage by farm machines. The rubber material used in manufacture of the baskets, of course, is said to lessen bruising of crops during harvest.

With spray season close at hand, word of a kit that serves as a basic unit, around which farmers can build a spray rig, catches some attention. The Farnam Equipment Company, of Omaha, is marketing such a kit. It is built around a pump that slips right over the power take-off of any tractor. Fittings, gauges, pump and hose are part of the equipment.

A 3-quart butter churn that has come to our attention seems to have utility for farms and small towns. The device uses a slow-speed electric motor housed in a lid unit which screws atop a glass jar. An aluminum shaft and dasher are adjustable and detachable and the unit can be used in many other ways—for mixing, whipping.

Versatility of a truck has been increased many times, judging from latest Dodge development of a 4-wheel drive Power Wagon that operates 14 pieces of farm equipment. Equipment can be installed to plow, disk, harrow and dig postholes. A hydraulic lift is readily fastened to the rear of the chassis. The truck also sports a dual

power take-off that delivers 536 R.P.M. at the rear and operates a 7,500-pound winch mounted at the front. Apparently it also can be used in normal truck operations since the manufacturer, Chrysler Corporation, claims its 8-foot express body delivers a maximum payload of 3,000 pounds. Obviously, the number of jobs such a truck can do is almost limitless.

Feed grinding has come in for special attention by H. C. Davis' Sons Mill Machinery Company, of Bonner Springs, Kan. This organization has recently come out with a new model of their "Krimmer-Kracker," a heavy-duty roller mill that crimps and crumbles. The machine, part of the output of a company that has been making commercial equipment, can handle from 750 to 3,000 pounds an hour.

Massey-Harris has announced 2 specialized tractors to fit exacting requirements of orchard and vineyard work. The orchard model is designed to protect the operator from low branches and provide maneuverability with plenty of vision. No obstructions extend from the surface of the machine to catch and damage trees. The vineyard tractor has a 46-inch tread (as has the orchard model) and a turning radius of 11 feet. It is not shielded. Both have a standard 4-cylinder engine, hand clutch and easy serviceability.

Here's a boon to folks who replace washers in faucets. It's a "Snap-In" washer with swivel action reportedly designed to end faucet leaks. The Snap Products Corporation of Chicago estimates this new device will last 20 to 30 times longer than conventional washers. There is no friction between faucet seat and washer, hence there is less wear when water is turned on and off. Furthermore, the Snap-In washers can be installed with a simple thumb-push operation.

For Sluggish Sinks
If you have trouble with sluggish sinks, attach water hose to the most convenient faucet, turn on the water full force while you hold the end of the hose firmly in the drain. Be sure to hold the hose tightly down as the more stopped the drain, the harder the strain until the pipes are cleared.—Mrs. S. H. Crockett.

Timely Helps

If you need information on any of the following subjects, Kansas State College Extension Service circulars or bulletins are available as long as the supply lasts:

- Cir. No. 217—Lambs for Profit.
- Cir. No. 158—Farm Garden Irrigation.
- Cir. 194—Vegetable Varieties for Kansas.
- M-34—Home Fruit Production.
- M-49—Sweet Clover in Kansas.

Please address Bulletin Service, Kansas Farmer, Topeka, There is no charge.

Marketing Viewpoint

By H. M. Riley, Livestock; John H. McCoy, Feed Grains; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs.

Why didn't the Government jump in and support the hog market when prices dropped below support levels in late March?—D. S.

The weekly average price paid for all weights of barrows and gilts at 7 Mid-west markets did drop below the weekly "support guides" of \$16.65. During the week ending March 18, the average price paid was \$16.55 and for the week ending March 25 it was \$16. Why then didn't the Government buy pork products to support prices? This question can be answered by quoting a recent official release direct from the U. S. Department of Agriculture in Washington, D. C.

"The Department of Agriculture is not committed to support hog prices for any single day or even any single week. The fact that the average price for any one particular day or week falls below the guide at some market or markets is important only to the extent that it is an indicator that support operations may be required in order to assure the monthly support level. It is the average national farm price of hogs for the month which the Department seeks to maintain at support level—which is \$16.20 for the month of March. Therefore, because the past week's 7-market average may have been under the guide does not necessarily mean that the average farm price for the month as a whole will be under the support level.

"The 7-market average price was above the guide in the first 2 weeks of this month, which will contribute toward maintaining the monthly average at support level."

I have corn stored on my farm. What are the prospective price trends? Do you advise selling it now or holding it?—W. K.

It is probable corn prices will advance to higher levels later in the season. Corn prices ordinarily advance seasonally until about midsummer and it appears likely the usual trend will prevail this year. Prices still are substantially below loan levels and producers have until May 31 to obtain loans or purchase agreements. In general corn is in safe storage and is of good keeping quality. Large quantities are expected to be put under the support program which will tend to lend strength to prices.

Does the price-support program for dairy products guarantee local cream prices will be supported at 60 cents per pound?—M. A.

No, the price-support program does not guarantee that local cream prices will be supported at any specific level. Prices of butterfat are supported on a national basis by U. S. purchases of butter, cheese, evaporated milk and dry milk. This makes it possible for some local prices to be above the national support levels and others below support levels. The program also does not support low-quality butter. Some farm cream from certain areas may not be of sufficient quality to produce butter eligible for support.

I would like to know which type of turkeys will make the most money.—E. S.

The Delaware agricultural experiment station recently completed a 2-year survey covering such factors as rate of growth, feed consumption and efficiency, mortality, expenses and income related to 6 varieties of turkeys. Large types were the Broad Breasted Bronze, Standard Bronze, Bourbon Red and White Holland. The small birds were Beltsville Small White and New Jersey Buff.

According to survey, Broad Breasted Bronze proved the most profitable to raise, was the heaviest, had the widest breast, ate the most feed and utilized it most efficiently. New Jersey Buffs had the lowest mortality, with Broad Breasted Bronze second.

It is concluded that a small-type turkey is unprofitable to raise in preference to a large-type, unless the grower gets more than 4 cents a pound premium for the small bird. Small birds find good demand.

A DIRTY TRACTOR ENGINE

Burns Up \$\$\$s!



Triple-Action Mobiloil Helps Keep Your Engine Clean—Change Regularly!

Yes, risking engine deposits is just like risking farm dollars. They can steal power, waste fuel, damage parts, halt production.

Why take chances? Drain engine oil regularly, refill with fresh Mobiloil for TRIPLE-ACTION performance.

Mobiloil is anti-acid, detergent, has high V.I. You get all 3 modern oil qualities—"instant flow" lubrication... full protection against corrosion and deposits... maximum economy of operation and maintenance.

Why accept less? Insist on the world's largest seller! Keep all farm engines Mobiloil Clean!



Call in Your Mobilgas-Mobiloil Man—

Mobiloil



Get Famous Mobilgrease and Mobilube Gear Oil, too!

Sure in all weather Santa Fe freight service



Your freight moves by the clock—not by the weather—when you ship via Santa Fe.

Modern all-weather dispatching methods speed freight through terminals and a powerful fleet of diesel locomotives keep traffic rolling along the line to give dependable on-time arrival at destination.

Even Santa Fe's main freight routes are favored by nature for all-weather operations as these routes are without extreme changes in temperature or climate.

It pays to ship Santa Fe—the dependable all-weather-way. For information call your nearest Santa Fe freight representative.

F. H. Rockwell, General Freight Traffic Mgr.
Santa Fe System Lines, Chicago 4, Illinois

Santa Fe—all the way



MAKE A BIRTHDAY GIFT to Crippled Children

The Capper Foundation for Crippled Children, Topeka, Kansas

KILL WEEDS

WITH
Miller's
2,4-D
WEED KILLERS

For handy mixing and spraying chart see your local dealer or write us.

Miller Chemical Co.
INCORPORATED
525 No. 15th St., Omaha, Nebr.
Chemicals for the Farm

LOOK!
TWO TRACTORS IN ONE

with the Handee Axle Converter

Simple to change from row crop to standard tread and back again. See \$149.50 dealer or write to

HANDEE FARM EQUIPMENT CORP. BETTENDORF IOWA

LINK MFG. CO.
FARGO, N.D.

Prices and Particulars sent on application. Mention product in which you are interested.

LINK Truck-Mounted GRAIN BLOWER
Can be converted to a Stationary Model.

Save 2 to 5 men by using the New **LIBERTY** Grain Blower.

LINK AUGER ELEVATOR

Aluminum Tube and Head. Many special features. Definitely the leading Auger Elevator.

Bait for More Power

(Continued from Page 9)

were already married. It also provided butter and cheese for all of them, and on the skim milk and whey left over the farmer fed a considerable crop of hogs.

"His listeners expressed amazement at this remarkable cow and some asked doubting questions concerning it. It must have, they suggested, the finest pedigree in the world, to which the owner replied, 'No, it has no pedigree at all. It is just a cow.' One question followed another, but none could raise the slightest doubt as to the extraordinary character of Bossie until one farmer said, 'But a cow like that must eat a tremendous amount and be very expensive to keep.'

"To this the farmer replied, 'Oh no, she doesn't cost anything at all to keep. She lives off her own milk. We call her Miss Brannan.'

In his message, sent in connection with his signing the new cotton-peanuts-potato law, the President urged Congress to avoid (further?) make-shift legislation and get busy on fundamental problems. The bill which he approved, with misgivings—he saw objectionable features, but on the whole the good outweighed the bad.

The President made 2 definite suggestions:

1. Revision of permanent laws relating to cotton acreage allotments and marketing quotas, to provide for allotments "based primarily upon each farmer's past planting history." Give ample leeway to local committee to "alleviate inequities and make adjustments for local conditions."

2. Provide a production payment system for potatoes and other perishables so "unavoidable surpluses can be sold to consumers and used, instead of being taken off the market and largely wasted."

These production payments are the key feature of the Brannan Plan. Farmers would sell their products in the open market. If their incomes for the year fell below the parity income decided upon by the Department as a fair income, farmers who obeyed all the directives of the Department in their farm practices would get a Treasury check for the difference between the national average market price and the parity income figured out in the Department. They would get it provided Congress appropriated annually enough money to make the flow of checks certain. The level of farm income proposed would be about that of 1942.

The Democrat state committees are to be provided with literature in support of the Brannan Plan. The campaign is to be personalized—"What's in it for you?"

Here's one of the answers from the Democratic National Committee:

"If you're a farmer: The Brannan farm program could keep your income from dropping lower. New products would come under the support program. No perishables would be wasted because all would be sold in the open market. You farmers would get production payments to make up the difference between the average market price and support levels.

"If you're a city housewife: if crops are good, prices of meats and fresh fruits and vegetables would drop."

Another choice bit of literature is a booklet with the good old Socialist catch-phrase, "One for All and All for One."

The American Farm Bureau Federation is fighting the Brannan Plan tooth and toenail, holding that as a long-range proposition it would place farmers at the mercy of whatever Administration is in power for their income. And would require complete control of the operations of each

farmer to prevent bankrupting the Treasury.

Organized Labor on the whole is for the program. As the United States becomes more and more an industrial nation, these figure, Labor's voice in legislative halls and administrative agencies will become louder and more compelling—farmers already are little more than one fifth of the population. And the proportion of city consumers is getting larger with every passing year.

Replying to previous attacks on his plan by Allen B. Kline, head of the American Farm Bureau, Secretary Brannan (backed by Sen. Hubert Humphrey of Minnesota, until recently head of the Americans for Democratic Action group) appeared before a meeting of PMA officials and committeemen at St. Paul (8,000 said to have been present) and presented the following 5-point summary of the Administration plan:

1. It would provide a modernized "farm income goal" as a means of determining price support levels.

2. It would extend support to products contributing importantly to farm income, including dairy, meat, poultry and other animal products and potatoes.

3. Authorize production payments to supplement prices of perishable products. (Treasury checks.)

4. Require soil conservation and production adjustments when necessary as a condition to receiving payments. (Control of production and marketing on every farm getting benefits.)

5. Confine the income price supports to the 98 per cent of farms that are family-size, leaving out the 2 per cent which are huge corporations.

M. N. Beeler, associate editor of Capper's Farmer, recently asked economists on college faculties to answer the following question—yes or no:

"Suppose the Brannan Plan were submitted to you as a citizen or a member of Congress. Would you favor the plan as it has been explained and proposed by the Secretary of Agriculture?"

Up to now, 64 per cent of those queried had replied.

Following are results of their balloting:

Against the Brannan Plan	359
For the Brannan Plan	75
Not committing themselves	27

Rep. Clifford Hope, of Kansas, probably speaks for the majority of members of Congress—as of today—when he predicts that this Congress will not take action on the Brannan Plan.

But the Administration forces hope, in the rush at the close of the session, to get an amendment accepted on some bill providing a "trial run" on some commodity. It is figured that when producers of other farm communities see the Treasury checks going to this "favored group," they will insist on also "getting theirs."

The trial run would put farmers in the same predicament as Chambers of Commerce and members of Congress. When these see other communities, or other congressional districts, getting federal funds for local purposes, they feel compelled to try to "get theirs" also. It's the old idea of "divide and conquer" again at work.

Foregoing paragraph explains why a Chamber of Commerce will adopt and send to their Senators and Representative strong resolutions demanding reductions in government expenditures and personnel, say on Monday. Then on Thursday the same Chamber will send urgent telegrams to their Senators and Congressman, insisting on federal funds for some project in their community.

Marine Specimens Are Famous

The chalky rocks of Gove and Logan counties are famous over the world for fossils that have been found in them. Many extinct and interesting animals lived in the sea and on near-by land at the time these rocks were forming. Some were large. One type of swimming reptile, the plesiosaur, had a length of 50 feet, of which 22 feet was neck. There were 35-foot lizards, 11-foot turtles, bird-like reptiles that could fly and birds that had teeth. Remains of many of these specimens have been mounted and are seen in various institutions in Kansas and elsewhere.

Dairy Council Speaks

(Continued from Page 1)

president, and Ray Smith, Hutchinson Jersey breeder, was first secretary. The entire council is composed of the president and secretary of each dairy breed association in the state.

The inter-breed council was organized to meet the need for a central organization to speak for all breeds and to deal with problems that affect all breeds. Dairymen felt, and since have been convinced, they needed to cooperate among various breeds to put the dairy industry welfare above breed welfare.

One important function of the council is to hold 3 or 4 meetings a year, during which it acts as a supreme court in regard to disputes arising from sales, regardless of breed. Buyers and sellers can take their problems or kicks before the council and the decisions of the council are final in such matters.

Uniform rules for all livestock sales of dairy animals have been set up by the council. This helped eliminate a lot of troubles usually arising at such sales.

Because of the new spirit of co-operation that exists between breeds, it

Working with Kansas State College on dairy research problems is a job taken on by the council at college request. "Their help in planning research work to meet what dairymen want to know is invaluable," says Professor Atkeson. The council also advises national breed associations on inconsistencies of various breed programs, and tells the associations what dairymen want from their dairy breed association field men.

Serves as Clearing House

One thing the council does is serve as a clearing house for information. Here is how it works in that respect. Over the years a lot of gripes and misunderstandings over running the State Fair dairy show had accumulated. This winter Jim Linn, of the college dairy husbandry staff and for many years superintendent of the State Fair dairy show, appeared before the council and explained why certain things were done.

"When they understood why we did things the way we did, they approved most of them," Mr. Linn reports. "These men now can carry the information back to members of their breed associations. In the same way, when their association members are unhappy about something they can get word to us thru the state council."

During the council meeting we attended, representatives from the Kansas State Fair appeared to receive recommendations of the council for improvements in handling the dairy show, and to hear any complaints.

To encourage young dairymen, the council annually presents a Little American Royal trophy for the champion fitter and shower at this college-sponsored dairy show.

These are only a few of the many problems handled by the council. During a council meeting the going gets pretty rough at times, as no one is spared when a difference of opinion exists. "But the nice part of these scraps," says Mr. Atkeson, "is that these men are big enough not to let themselves get involved in personalities. They tackle problems instead of one another and let the chips fall where they may."

Lack of jealousy among council members is shown by the fact that in 1949 both the president and vice-president

Modernizing the Farm?

If you are planning for a sewage- and garbage-disposal system for your farm, the USDA booklet on the subject will be found most helpful. It tells how to construct satisfactory sanitary facilities and how to maintain them. There are many illustrations to help. For a copy of the publication, "Sewage and Garbage Disposal on the Farm," please address Bulletin Service, Kansas Farmer, Topeka, and include 3c for postage.

were Milking Shorthorn breeders. C. O. Heidebrecht, of Inman, was president, and Joe Hunter, Geneseo, was vice-president. Since 1945 the group has had only 2 presidents, which indicates that council members keep a good leader when they find one, regardless of what breed he represents. Ray Smith, who resigned this winter as secretary of the council, had served as secretary ever since the group was organized.

Despite many serious problems tackled, there is a lot of good-natured banter among council members. During a discussion with State Fair secretaries, Mr. Heidebrecht wanted to know why the fair offered about \$1,000 more in prizes to Holstein breeders than to Milking Shorthorn breeders. Quick as a flash Hobart McVay spoke up and said: "Because there is that much difference in the cows."

Again when Jersey Breeder Ray Smith offered his resignation as council secretary to become inseminator for an artificial breeding ring in Reno county, he said he was resigning because "I have to go to work." At this, Mr. Heidebrecht replied: "If you had the right kind of milk cows you wouldn't have to go to work."

So the council members have a lot of fun. But they do a lot of work, too. The dairy industry of Kansas owes a lot to this small group which is giving its time and talents to the good of all.

Is Your Water Safe?

The USDA bulletin, "Safe Water for the Farm," is available to our readers. Because a water system is a relatively permanent installation, you should give it a great deal of study before spending money for labor and equipment. This booklet is authoritative and has many illustrations to guide the reader. Please enclose 3c for postage with your request for a copy to Bulletin Service, Kansas Farmer, Topeka.

is not unusual now to find breeders of one breed helping at the state sale of some other breed.

But when the council was organized, dairymen had no idea how many problems they would have to tackle. Wherever they find a problem, they do something about it.

For instance, dairymen had felt for a long time that dairy interests should be represented on the board of the Kansas Livestock Association, and on the Kansas Livestock Sanitary Commission. As a result of the council's efforts, dairymen now are represented in both places. The council is taking an active and positive stand on disease control and is working closely with the state sanitary commissioner on all disease problems.

Biggest Job to Date

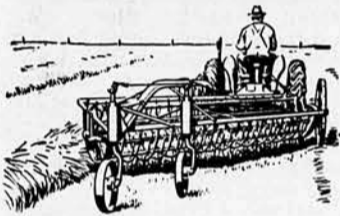
Probably the biggest job the council has had to date was its work on the newly started artificial insemination program. The council felt artificial insemination, if properly handled, would be a great help to the entire dairy industry in Kansas. It has worked long and hard in helping set up the present program, and expects to keep a close watch on handling of the program in the future — particularly in choosing bulls for the central stud.

Another feather in the council's cap is the successful American Royal Dairy Show, held in Kansas City last year for the first time. It will be held this year May 6 thru 13. Members of the council spend a lot of time with men from other states in this area working out details of this big dairy show.

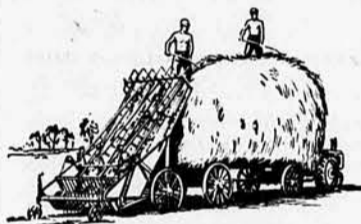


"Yes, your husband is helping me, ma'am—I'm standing on him!"

Make Better Hay Easier-Faster



With a 4-bar cylinder, the Massey-Harris No. 11 Side Delivery Rake is built for big capacity at fast tractor speeds.



The Massey-Harris No. 8 Loader is famous for handling hay gently, an important factor in making high quality hay.




The Massey-Harris Forage Clipper cuts, chops, loads any grass or legume crop in one, easy, time- and labor-saving operation. (Shown with windrow pick-up attachment.)

THE Massey-Harris No. 6 Mower cuts more than hay — it likewise cuts mowing-time and hay-making costs.

With its two caster wheels, one on either side, the No. 6 is literally a contour mower. It hugs the ground to do more uniform work... to cover more acres... to do a cleaner job of cutting... and with longer life for the cutter bar, pitman, bearings, and drive shaft.

Of welded tubular construction, the No. 6 is ruggedly built. Husky roller bearings in the right places make it a lighter running, longer lasting mower. Guarded with safety shields, and an automatic safety release, it's as safe as a mower can be made. And you'll find it easy to attach and detach.

See your Massey-Harris dealer for all the facts about the No. 6 — in 6 and 7 foot sizes. Ask him for a copy of the latest folder on all Massey-Harris Hay tools, or, use the coupon below.

Make it a  Massey-Harris

THE MASSEY-HARRIS COMPANY
Quality Ave., Racine, Wis., Dept. D-75
Please send me a copy of your latest catalog on Massey-Harris Hay Tools.

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

Save Your Dollars
GET FULL INFORMATION ON NEW COMFORT FIELD SPRAYER

Write COMFORT Equipment Division
1919 P. Baltimore, Kansas City, Mo.

NATIONAL Vitrified SILOS
Everlasting TILE
Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.

NO Blowing In Buy Now
Blowing Down Erect Early
Freezing Immediate Shipment

Rowell Roller Bearing Ensilage Cutters.
Write for prices. Special discounts now Good territory open for live agents.

NATIONAL TILE SILO COMPANY
636 Livestock Exchange Building
KANSAS CITY 15, MO.

Eagle IRRIGATION DAMS
last TWICE as long!

Here's why... Because they're chemically treated to resist mildew and rot. You can cut your cost in half with Eagle... outlast ordinary canvas 100%.

Send for **FREE BOOK**
World's foremost irrigation authorities explain latest methods. Written by Dr. O. W. Israelson, Irrigation Consultant Engineer, Utah State College and Prof. O. W. Monson, Agricultural Engineer, Montana State College. Send for this Free Book today.

Eagle Irrigation Dams are Ready-Made in all sizes. Rot-Resistant. Water-Repellent. Buy them at your local hardware or farm store.

Manufactured by H. WENZEL TENT & DUCK CO., St. Louis 4, Mo.
Makers of Eagle Drinking Water Bags and Farm Tarpaulins

LOOK TO THE LEADER
LOOK TO PEERLESS
FOR THE
GEARTURBO
PUMP HEAD

The best means of driving a vertical pump with a horizontal driver. Precision-cut, spiral bevel gears. Positive cool oil, forced feed lubrication of gears and bearings. Ample safety factor. Compact, weatherproof. Good looking. Discharge casting built to receive other types of drives. Range: Up to 300 h.p. Lifts: To 1000 feet. Capacity: Up to 30,000 g.p.m.

Write for descriptive Bulletin B-140.

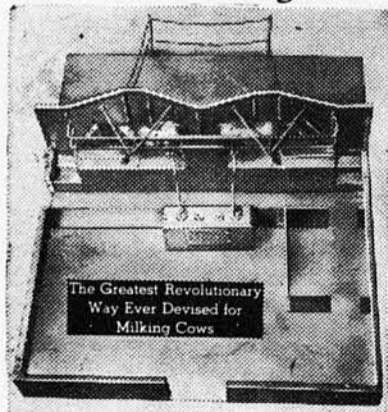


PEERLESS PUMP DIVISION
Food Machinery and Chemical Corp.

Factories: Los Angeles, Calif.; Indianapolis, Ind.
Offices: Los Angeles, Fresno, Phoenix, Dallas,
Plainview, and Lubbock, Texas; St. Louis,
Chicago, Atlanta, New York.

LOW COST IRRIGATION HOSE
MADE OF CANVAS
Ideal for pump irrigation. Carries water over or around obstacles. Saves work... Lasts for years. Makes getting water where you want it easy. Low Cost. Canvas dams also. Write for illustrated folder.
LINCOLN TENT & AWNING CO.
1618 O St., Lincoln, Nebr.

The Twentieth Century System of Vacuum Refrigerated Milk and how it works with the T-33 Milk Refrigerator



Milk is refrigerated direct from the cow to the shipping can under a vacuum and is not exposed to contaminated air or touched by human hands.

- WHY carry milk when the cows prefer carrying it for you.
- WHY bend over to change teat cups on cows when you can stand.
- WHY lift heavy cans—then wait for them to cool, when the milk can be cooled as the can fills.

Own a T-33 and then you can always convert to the Twentieth Century System.

Zero Manufacturing Co.
INCORPORATED

General Office—Washington, Missouri

Great Crop Changes

(Continued from Page 13)



CHEROKEE, the oats variety on the left, shows the resistance to Victoria blight which is not present in the variety **Osage**, on the right.

Neosho, 2 rust-resistant varieties with other good agronomic characters. But fields of these new oats varieties were soon reported to be lodging seriously and failing to make grain. Further investigation showed that selections from Victoria crosses were susceptible to a little-known disease now called Victoria blight.

Race 45 Is Increasing

Fortunately plant breeders were ahead of the disease, since they had found a Victoria blight-resistant variety named Bond. Selections using Bond as a parent were found to have high resistance to stem rust and Victoria blight. They also were resistant to the common races of crown rust and only medium susceptible to crown rust, race 45. Race 45 has not been widely distributed in Kansas in the past but is now increasing.

Three selections from Bond crosses, Clinton, Nemaha and Cherokee were found adapted to Kansas conditions. Clinton was released in Iowa, Illinois and Indiana in 1946. Cherokee and Nemaha were released in Kansas in 1948. All available supplies of seed of these varieties were increased as rapidly as possible. In 1949 evidence was found that Cherokee and Nemaha have more resistance to crown rust race 45 than was suspected.

Cherokee and Nemaha have been high yielding thruout Eastern and Central Kansas and Clinton in the northeastern section. Even tho these 3 fine oats varieties are now available, plant breeders are extending their program to make even greater improvements in oats varieties for the future.

Combine Sorghums Came Along

Development of modern combine-type grain sorghums began with the distribution of Wheatland. This was followed by Westland, Colby and Midland. Westland is best adapted to the southwestern quarter of the state, Colby to the northwest section and Midland to the central area. Wheatland, like the old variety Dwarf Yellow Milo, is subject to a soil-borne organism called milo disease. When this organism is present, the plant growth resembles damage due to drought; but when the disease is present no crop is produced even with sufficient moisture

present. Westland and Midland are resistant to this disease.

These combine types are all susceptible to damage from chinch bugs. They are, therefore, not recommended for Eastern Kansas. After years of research some chinch bug resistance has been found in new selections that are now being tested for other factors. White Combine Kafir 44-14, a white-seeded variety that was distributed from Oklahoma, has considerable resistance to chinch bugs and is recommended for Eastern Kansas. However, this variety grows taller than is best for combine harvest.

Better Forage Sorghums, Also

The forage sorghums as well as the grain types have been improved in the last 50 years. Early Sumac was isolated in 1920 and soon replaced the Ambers in Western Kansas because of a definite improvement in the leafiness and sweetness of the forage. Latest development in forage sorghums is replacement of the brown, bitter seed with white, palatable grain on sweet, juicy forage. Atlas, Axtell, Norkan and Ellis are all varieties of this type. These 4 varieties offer a range of maturity that will meet requirements for all sections of the state.

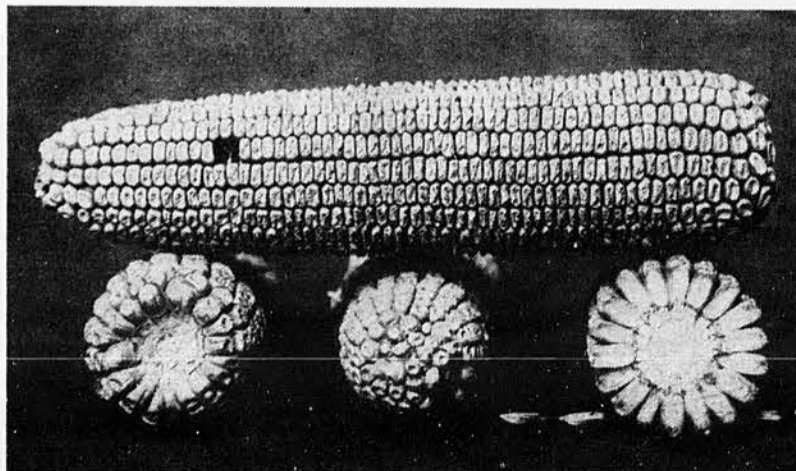
Ellis, newest of these 4 varieties, was distributed from Hays in 1947. It has the clean, bright leaves which it inherited from Leoti because of its resistance to leaf diseases. At present there is a strong demand to increase the quality of forage by transferring the leaf-disease resistance to all varieties, and to reduce size of heads in order to increase per cent of sugar and carbohydrates in the stems.

Corn Acreage to Hybrids

Most important development in corn production in recent years has been rapid adoption of hybrids. In 1939 only 5 per cent of the Kansas corn acreage was planted to hybrids, but this had increased to 82 per cent by 1949. Rapid adoption of hybrids has been due largely to their superiority over open-pollinated varieties in yield, dependability and lodging resistance.

The great increase in use of mechanical harvesters has been possible because the better hybrids have suffi-

(Continued on Page 41)



LEAMING, an open-pollinated corn, one of the late-maturing, rough, deep-kerneled types that was grown in 1900. The earlier-maturing, smoother, shorter-kerneled types have been found superior under Kansas conditions.

New 3 in 1 Tread
MARTIN MODERN METHOD WIDE FACE BOMBER TIRES
1 MAXIMUM FLOATATION
2 EXCELLENT TRACTION
3 VIBRATION FREE ROADABILITY
Ready to Bolt on

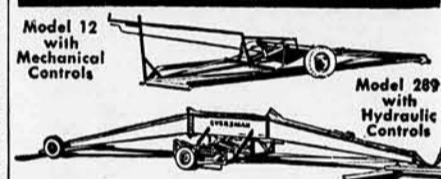
Now Available FOR COMBINES, HARVESTERS, ETC.

MARTIN MODERN METHOD Wide Face Bomber Tires... manufactured to rigid Gov't specifications... strongest tires made... extra plys to withstand terrific shocks... load capacity 2 to 3 times ordinary tires... are standard for Combines, Tractors, Trucks, Wagons, Trailers, Farm Implements, etc.
Write Today For Name of Nearest Dealers

MARTIN TIRE & SUPPLY CO.
154 N. EMPORIA • WICHITA, KANS.

Get Land in "TABLE TOP" Shape at LOW COST with an

Eversman Automatic Land Leveler and Dirt Mover



Eliminate High Spots and Low Spots While Making a Fine Seed Bed

Here are America's Most Famous Levelers (the 9PL and 12PL Mechanical Models, the 289 and 489 Hydraulic Models). All have exclusive Eversman Crank Axle for Automatic Leveling Action. They level land and move dirt at LOWER COSTS than by any other method or any other machine. If you want to get land in "Table Top" condition for ease in irrigation with water running to the very end of the rows, if you want to prepare a fine seed bed while automatically leveling, get an Eversman. A must in your Soil Conservation Program.

Write today for full details on 6 different mechanical and hydraulic Eversman Models for wheel and crawler tractors for use by you on your own farm. Priced from \$265.00 up, FOB Denver.

America's Leading Land Leveler Since 1928

EVERSMAN MFG. CO.
DEPT. 59 • CURTIS & 5TH • DENVER 4, COLO.

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

How to Increase Your Crops

FLEX-O-SEAL PRESSURE TIGHT PORTABLE IRRIGATION PIPE

No more worries about drought when you water your fields with FLEX-O-SEAL Portable Irrigation Pipe. Light-weight and easily assembled on flat or rolling land—it will bring moisture to crops or fields whenever and wherever needed. Available in Aluminum or Galvanized 3, 4, 6 or 8-inch diameters. Write for FREE folder "Your Best CROP Insurance" and name of nearest dealer.

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

FLEX-O-SEAL



**MORE BEEF...
LESS FEED**
with Morton's *Free Choice*
Trace Mineralized Salt

Beef cattle do better with Trace Mineralized Salt. There is less difficulty in reproduction. Calves are sturdier, thrifter. Fattening stock make better use of feed... cost less to finish. Salt makes digestion more complete and efficient. Trace minerals — iron, copper, cobalt, manganese, and iodine — stimulate the enzyme, vitamin, and hormone functions by which feed nutrients are converted into blood, bone, tissue, and muscle. All livestock are healthier and thrifter for getting Morton's Trace Mineralized Salt. Feed it free choice.

FREE FOLDER For important information on feeding salt and trace minerals, write Morton Salt Co., P. O. Box 781, Chicago 90, Illinois.

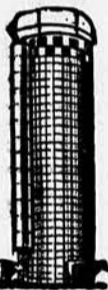
**MORTON'S
Free Choice
TRACE MINERALIZED
SALT**

Contains iron, copper, cobalt, manganese & iodine



**SALINA Concrete Stave
SILOS**

Built to Last a Lifetime
Better built, latest in design. Constructed of heavy, power-tamped steam-cured staves, joints distributed. More all-steel, air-tight, hinged doors save labor. Inside finish troweled on, plus protective coating. Salina Silos have been giving perfect satisfaction for 37 years.



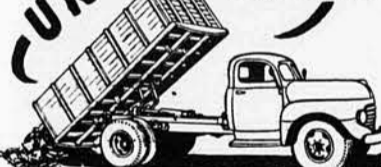
Write today for Free Folder
**SALINA CONCRETE
PRODUCTS CO.**
Box K SALINA, KANSAS

OTTAWA Buzz Master

7 MODELS—\$99 up
Greatest offer ever made by oldest and largest firm in the business. Made by men with the know-how. A model to fit your needs and your pocketbook. Endorsed by Conservation experts. Send for FREE details. Now in our 46th year.
OTTAWA MFG. CO., 1-011 Brush Ave., Ottawa, Kansas



**A Dump IT HOIST
will do the
work of
UNLOADING
YOUR TRUCK**



and **MULTIPLY** its value
4 St. Paul
DUMP IT
Models
COLT—PONY
MUSTANG—STALLION

Clip Coupon — Mail at Once —
ST. PAUL HYDRAULIC HOIST
Division, Gar Wood Industries, Inc.
2212 Univ. Ave. S.E., Minneapolis 14, Minn.
Without obligation, send me complete information on DUMP IT Hoist to fit my truck:
MAKE _____ MODEL _____
WHEELBASE _____ BODY LENGTH _____
My Name _____
Town _____
R.F.D. _____ State _____

The **RED HOIST** that has made history
**Invest TODAY
for Tomorrow!**
Buy
U. S. Security Bonds

cient root-and-stalk strength to remain standing until harvest. Some of this advantage has been offset by damage from European corn borer that has greatly increased in Kansas during the last 2 years. Cultural methods are the only recommendations now available for combating this insect.

The Kansas breeding program for development of corn hybrids was begun in 1923. Many inbreds, developed from Kansas adapted varieties, have made possible the production of hybrids that have increased corn yields in Kansas and neighboring states.

Kansas 2234 was the first successful white hybrid in Kansas. This hybrid is exceptional in that all 4 inbreds are from one variety, Pride of Saline. This parentage probably accounts for the hardness of K2234. Other Kansas white hybrids that have been successful are K2275 and US523W (formerly K2299). Yellow Kansas hybrids that have found a place on Kansas farms are, full-season K1585, mid-season K1784 and K1646, and the earlier-maturing K1639 and K1859.

High Yields Prove Value

Value of hybrids is shown by the fact that average yield of all hybrids over all open-pollinated varieties in the 1949 corn-performance tests, was 9.5 bushels in Northeastern Kansas, 12.2 in North Central, 4.6 in Northwest, and averaged 6.5 bushels for all districts of the state.

There is, however, a great difference in ability of hybrids to perform. Difference in yield between highest- and lowest-yielding hybrids in the 6 sectional tests were 27.2, 35.5, 24.1, 25.1, 41.8 and 22.1 bushels per acre. All hybrids are not good. But there are good commercial hybrids available for each section of the state.

Certified-Seed Program Helped

Development of improved crop varieties is of little use, unless a method of perpetuating them and providing seed supplies to farmers is provided. Such a provision has been made by the seed-certification program of the state. This program thru seed history, field inspection, laboratory testing, bin inspection and approved labeling now offers seed of 15 different crops including 70 varieties. Some 1,858 farmers located in 104 Kansas counties produced 1,500,986 bushels of certified seed in 1949. This program has had a definite part in improvement of farm crops in Kansas during the last 33 years.

What Is Ahead

Probably one of the greatest advancements in farm crops in the next decade will be improvement in disease-and-insect resistance. Stem rust, race 7, on wheat has not been controlled, but breeding is now in progress that may give resistance in the future. High resistance to loose smut in wheat is needed. It has been found in Pawnee and is being extended to other varieties. Greater resistance to Hessian fly is needed. We now have tolerance to certain strains of the fly but not real resistance. Marquillo wheat offers this opportunity as it is known to provide more resistance than we have previously had in commercial wheat.

Other Uses for Crops

Industrial use of sorghums and other crops is an interesting and immediate possibility. Sorghum grain is now being milled into starch and starch products for food or manufactured into paste-forming materials, structural materials and many other products. A sound research program to solve such related problems is in progress. At least one Kansas manufacturing plant is milling sorghums into various products. Industry can reasonably be expected to use some of the surpluses in sorghums and other crops.

Availability of higher-yielding and better-quality farm crops that may be handled more efficiently will help provide better living for the farm population, since more time and effort can be given to education, travel, community life, social and religious efforts.

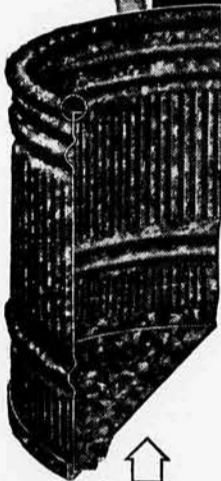
More Soil-building Crops

Higher yields and more-stable crop production provided by better crop varieties will reduce the necessity of utilizing every acre to make a living. Under such conditions a farmer can use more of his land for soil-improving crops and better management methods, thus making it possible for him to build his soil for even greater acre production as it is needed by our ever-increasing population.

**COLUMBIAN
RED BOTTOM STOCK TANKS**



**Standard Equipment
on a MILLION
American Farms!**



Note above how top rim of tank is reinforced by heavy, hot dipped galvanized split tube — permanently anchored to top of tank — impossible to remove — a smooth rounded top edge that cannot injure stock — withstands all strain of pushing, crowding.

Save and Make You Money!

The years of long-lasting service built into COLUMBIAN Stock Tanks mean lower cost to you... and these famous tanks make it easier to keep livestock in better condition.

STRONGER—Fabricated with special precision machinery from finest grade galvanized steel. Heavy triple swedges and deep verticle swedges for increased sturdiness. Upright seams in side walls are sweat-soldered. **WATERTIGHT**—bottom and side walls are joined into a four-ply seam which is blown full of molten solder by an exclusive Columbian process which completely seals tank against leaking.

SEE YOUR DEALER—Ask him to show you these better-built stock tanks. Buy the size you need for years of low-cost service. Ask your dealer about the new and improved COLUMBIAN Red Top Grain Bins with many exclusive features that give you more for your money from top to bottom.



Trojan NON-FREEZING



All Year Automatic Hog Waterer—Built Without Floats or Heating Units

Delivered price—\$5.95. See your dealer or order direct.
Money back if not satisfied.

STANDARD MANUFACTURING CO.
BOX 22, CEDAR FALLS, IOWA

**SILO
BE THRIFTY IN '50**



No down payment required. Set your own terms.
"It's Easy to Own An Interlock White Top."

Clip and Mail the Coupon Today
I would like free information on the following:
Silos Grain and Industrial Storage
Grass Silage Farm Buildings
Name _____
City _____ State _____
INTERLOCKING STAVE SILO CO., KF
720 N. Santa Fe Wichita, Kansas

MASTER V-BARS

**PROVED IN SERVICE
SINCE 1938**
**More Grain per Acre
More Acres per Day**



That's why farmers want these patented V-shape cylinder bars for their combines. Master V-Bars increase capacity by the continuous threshing action and increased threshing surface, even feeding... smooth operation, no slugging.

Master V-Bars are made for most all makes of combines... replacement of straight bars or spike tooth.

Ask Your Dealer or Write for Literature
HESSTON MANUFACTURING CO., INC.
120 EVANS ST. HESSTON, KANSAS

EDUCATIONAL

LEARN AUCTIONEERING Sales Management Classes start every Monday owing to popular demand. Money back guarantee. Call or Write TOPEKA AUCTION CO. 1212 W. 8th School Div. K Topeka, Kan.

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

Learn Auctioneering, clerking and financing auction sales, at the Wisconsin State School of Advanced Auctioneering, Madison, Wisconsin, P. O. Box 268. School term starting soon. Write for free catalog.

Self-Study Courses: High School, College, Triple-speed NUABC Shorthand. Request bulletins. Capital City College, Washington 5, D. C.

Ft. Smith Auction School, Ft. Smith, Ark. Term soon. Veteran approved.

FOR THE TABLE

HONEY Closing Out 1949 Crop 60-lb. Can F.O.B. \$10.50 HAHN APIARIES 1715 Lane Topeka, Kan.

FILMS AND PRINTS

3c Deckledge Reprints 3c Beautiful Velox Deckledge prints made from your negatives only 3c each. 6 or 8 Exposure rolls developed and printed on deckledge paper 25c. Artcraft DeLuxe enlargements three 5x7 only 50c. Four 8x10 enlargements from negatives \$1.00. Your favorite photo copied and 10 printed made 65c. SUMMERS STUDIO, Unionville, Mo.

16 Enlarged, Jumbo, Oversize, deckled prints from any 6-8-12-16-20 or 36 exposure roll films developed, only 50c; or 16 Jumbo Reprints, 50c. Electronically exposed. Enlargement coupons free. Skrudland, 6444-H Diversey, Chicago, Ill.

16 Deckled Velox Prints from any 8-exposure roll film developed, 30c. Electronically exposed. Enlargement coupons free. Skrudlands, Lake Geneva, Wis.

8-Exposure Roll developed with 16 prints, 30c. Studio, Lake Geneva, Wis.

INSURANCE

FIRE AND AUTOMOBILE See our local agent. Farmers Alliance Insurance Co., Alliance Mutual Casualty Co. McPherson, Kansas

AGENTS AND SALESMEN

At Last! Something new and sensational in Everyday cards. Make extra money fast! Show gorgeous Satin Velour metallic cards. Get orders easy. Scented stationery, charmettes, napkins, kiddie cards. 50 other assets. Retail 60c to \$1.25. Samples on approval. Puro Co., 2801 Locust, Dept. 087-D, St. Louis 3, Mo.

Salesmen Wanted to Sell Farm Machinery directly from factory to implement dealers. Should have farm implement experience. Three territories open in Kansas, one in Nebraska and one in South Dakota. Permanent positions. Write full information to Box R.R.M., Kansas Farmer, Topeka, Kan.

OF INTEREST TO WOMEN

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging and pumping costs. Postcard brings free details. Burson Laboratories, Dept. V-18, 955 Willard Ct., Chicago 22, Ill.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

FARMS—KANSAS

I Have a Good 153-acre farm, all in cultivation, no buildings, hedge around it, located 17 miles southeast Emporia. Paying good rent. First and second bottom good black land lying well. Will sell or trade for land Central Kansas. J. P. Malone, 116 N. Douglas, Lyons, Kan.

FARMS—MISCELLANEOUS

Own a Farm in the agricultural center of the United States. Write for new 1950 catalog describing many productive farms. Suiter Farm Company, Realtors, 1016 Baltimore, Kansas City, Mo.

Strout's Farm Catalog Free! Big Golden Anniversary issue, 124 pages, 2,830 bargains, 32 states, Coast-to-Coast. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

Free Spring Catalog, farm bargains, many equipped, illustrated, several states; United Farm Agency, 428-KF BMA Bldg., Kansas City 6, Mo.

OF INTEREST TO ALL

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K. Topeka, Kansas.

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

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

End of this story shows the Moores made . . .

Good Poultry Profits

HERE are final results on the new-type poultry plan described in the July 16, 1949, issue of Kansas Farmer. The story, you remember, was about Mr. and Mrs. Cletus Moore, of Shawnee county, and their poultry program was built around a combination broiler-egg production plan. Here is a brief outline of the new poultry plan, just to refresh your memory:

Mr. and Mrs. Moore purchased 1,500 straight-run New Hampshire chicks on January 11. Pullets were separated from males on March 9 and males were finished to sell as broilers. Males were sold as broilers on March 23 for \$569.91. Pullets were culled on April 13 and those culled sold as meat birds for \$267.22, or a total meat-sales income of \$837.13. A total of 525 pullets were housed in June at an average cost per pullet of 56 cents due to sale of meat birds.

Feed consumed to June 1, when pullets were 4 1/2 months old, amounted to \$898.90. Cost of chicks was \$232.50. Total cost, \$1,131.40. Total sales to June 1, \$837.13.

Egg-production records were kept on pullets from June 1 to December 18, when pullets (or rather hens by that time) were sold on the market.

During period June 1-December 18, 2,568 dozen eggs were produced and sold for \$1,066.76. Then 429 hens were sold for \$630.91 for a gross income of \$1,697.67. Feed cost during the June 1-December 18 period was \$789.92, which, when added to \$294.27 (the original investment on pullets after cockerels and culls were sold) made the total cost \$1,084.19.

Pay for Labor

By subtracting costs from gross income we find that Mr. and Mrs. Moore had a net income of \$613.48 for labor. No record was kept of the amount of chickens and eggs consumed at home.

But this is not all the story. The Moore poultry plan also called for a second crop of broilers. On May 16 a second crop of 1,500 straight-run New Hampshire chicks was started, all to be

sold as broilers. Like other poultrymen who experiment, the Moores had very poor luck with this second bunch of chicks. Death losses were high and the rest just didn't "do well." Their net profit on this second bunch of chicks was only \$90.

On August 14, however, a third bunch of 1,500 New Hampshire chicks was started. These did well and, when sold, made a profit of about \$300.

So, all told, profits on each phase of the plan were as follows: \$613.48 on the laying flock, \$90 on the poor batch, and about \$300 on the third bunch of broilers. Total profits just over \$1,000.

The plan paid off well on a "return from investment" angle. The original investment in a new poultry house, cost of remodeling a barn and purchase of equipment amounted to \$3,500. With a net labor return of \$1,000, this represents a return of 28 1/2 per cent on the original investment the first year, despite the natural mistakes any farmer might make in trying a new program.

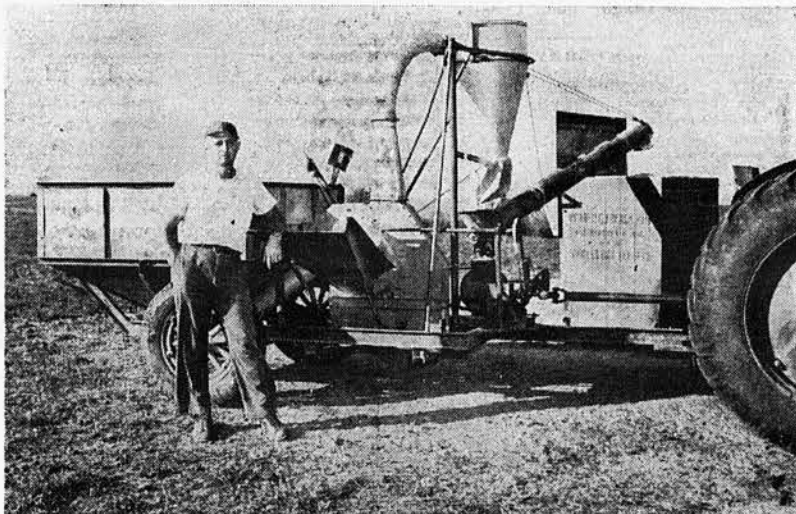
All Equipment Busy

In summarizing their project, Mr. Moore says: "Our entire program is to keep all of our equipment busy all the time. Not every farmer will want to do that, but many farmers could use their brooding and growing equipment for at least one extra batch of profitable chicks."

The Moore poultry plan is patterned after one developed by the Consolidated Products Company, of near Danville, Ill. The plan is being sponsored in Kansas by the Seymour Packing Co.

This new poultry-production plan has these practical advantages, company officials claim: Farmers can market poultry and eggs when prices are highest; they can produce enough poultry and eggs to make money; they can produce quality poultry and eggs which will bring top prices; they can get the greatest share of the year's egg profits in 6 months; they can get an equal profit from broilers during the remaining 6 months, and they can use housing and labor profitably.

It's a Handy Grinder



This homemade, portable grinder rig saves the services of half a man, figures Howard Brockhoff, Brown county, the builder and owner. In this photo he shows the rig all set for grinding into a hog feeder located out on red clover pasture.

A PORTABLE grinder rig, driven by power take-off, has virtually eliminated the scoop shovel on the Howard Brockhoff farm, in Brown county. And that is quite an item, since Mr. Brockhoff feeds out about 300 shoats a year and about 150 head of cattle, too.

All told he estimates the grinder cost him about \$400, but he figures it saves him the services of half a man on his farm.

The whole grinder rig is mounted on rubber tires. An old combine bin is mounted at the rear of the frame to hold the grain and supplemental mixture to be ground. Grain is elevated mechanically into the grinder by means of an auger attached to the bottom of the bin. Then after grinding the feed is delivered directly into self-feeders.

The rig is pulled into his granary where feed can be dumped into it from overhead storage bins. Then trac-

tor, grinder and all go out into the clover field to grind right into the feeder.

The grinder is driven by power take-off from the tractor. To get the proper speed ratio, Mr. Brockhoff gets a 4 to 1 step-up thru a Ford tractor pulley gear box. Power is delivered from a 12-inch pulley on the gear box via 6 "V" belt to a 6-inch pulley on the grinder.

The grinder cost \$150. Much of the remaining cost was due to the step-up in speed required from the tractor to the grinder, Mr. Brockhoff explains.

When grinding for the hogs feed does not need to be moved by hand at any stage of the operation. When grinding for cattle, it usually is shoveled into feed bunks. Attempting to make a suggestion for eliminating that step, your reporter received this answer from Mr. Brockhoff, "I have to have something for the hired man to do."

What is Armour doing to improve livestock markets?

By getting every cent of value possible from each animal, Armour and Company is helping you get maximum income from livestock farming. Here's how Armour efforts benefit you:

Efficient processing of Meat. Armour "know-how" in high volume operation means low margins. About three-quarters of all Armour income dollars are paid out to producers of livestock and raw materials.

By-Products are Saved. Hides, hair, glands—everything is saved, and Armour income from these sources is reflected in prices paid for live animals. What's more, many Armour by-products such as feeds, leather, and soap return to your farm to make your farming more profitable and your living more comfortable.

Research and Development. Careful studies by skilled scientists find manufacturing efficiencies, better meat products, and new by-products. You benefit when new and better products are manufactured at lower cost.

Salesmanship. Skilled salesmanship helps put the meat you raise into highest value products in the best markets of the country.

Investment and Expansion. Modern Armour processing facilities help make a strong competitive market in all important livestock regions of the country.

You as a livestock grower and Armour as a processor are a "team" in the production of meat. Your job is to operate at low cost, so that meat will be available at prices people are willing and able to pay. Armour, in turn, will continue to perform the services of processing and distribution efficiently and well—in order to create better markets and return full share of all consumer dollars to you.

ARMOUR

AND COMPANY GENERAL OFFICES

UNION STOCK YARDS • CHICAGO 9, ILL.

FIX IT WITH EASY TO USE KESTER METAL MENDER GENUINE TIN-LEAD SOLDER. Write for NEW FREE 20 Page Booklet on SOLDERING. KESTER SOLDER COMPANY 4260 Wrightwood Ave. Chicago 39, Illinois

TONGUE - LOCK DIAMOND TOP CONCRETE STAVE SILOS. 39 Years' Experience Building Silos. Wide Hinged Doors. Liberal Terms if Needed. Write Today for Free Literature. McPherson Concrete Products Company 904-1126 W. Euclid St. McPherson, Kansas

Reliable Advertisers Only are accepted in Kansas Farmer

May 6 Will Be Our Next Issue Ads for the Classified and Livestock Section must be in our hands by Friday, April 28 If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

Low Cost Control of Coccidiosis



Stops Costly Chick Loss— For About 1c Per Bird Treated

Prevent the spread of cecal coccidiosis this easy, low-cost way. Just drop handy Ren-O-Sal tablets in water and mix. Tablets dissolve quickly. Cost is low... about 1c per bird treated. Give larger recommended dosage at first signs (bloody droppings) of an outbreak. Has reduced chick losses for thousands of poultry raisers.

Start Your Chicks On Ren-O-Sal For Faster Growth—Earlier Laying

In smaller doses Dr. Salsbury's Ren-O-Sal provides outstanding (G. S.) Growth Stimulation factor benefits due to exclusive ingredient 3-nitro 4-

hydroxy phenylarsonic acid. Thousands of tests prove quicker weight gains (average of 14.8% for treated birds). Also, earlier egg production (up to 15 days earlier) and improved pigmentation and feathering. Thousands of successful poultry raisers always start their chicks with Ren-O-Sal for more profitable results.

For low-cost coccidiosis control and for raising all-round better birds, buy Dr. Salsbury's Ren-O-Sal. Packaged in tablet form for drinking water or powder form for feed. Buy at your local hatchery, drug or feed store on your next trip to town.

When you need poultry medicines, ask for

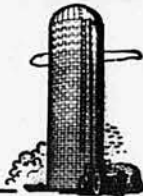
DR. SALSBUURY'S LABORATORIES
Charles City, Iowa



Low Cost Feed— High Nutrition with a KOROK SILO

According to U.S.D.A., there's more food material per acre from corn as silage than from any other crop. Tops for all crops, the extra-reinforced Korok Silo will even handle hay silage with ease. Cut your feed cost—write for our free Silage Facts booklet.

INDEPENDENT SILO CO.
777 Vandalia St. • St. Paul 4, Minn.



DUCK FOOT BLADES

Attach Pence Duck Foot Blades to your Lister for Summer Fallowing, Noxious Weed Eradication, Seed Bed Preparation. Send for Circular.

PENCE TOOL COMPANY, York, Nebraska.

BAZOOKA SPIRAL GRAIN LOADER TYPE A—WITH FAMOUS FLEXODRIVE

"Best Machine on the Market" WRITES NEBRASKA WHEAT GROWER

"Couldn't Ask for Anything Better," says Kansas Farmer. Owners everywhere endorse Bazooka, the better grain loader. It's more flexible, more adaptable to varying conditions... easier to operate, control, transport... moves grain fast and easy without choking down. Sectional tube construction in 16 foot basic length, with 5, 10, 15 foot extensions to make almost any length unit required. Famous Flexodrive shaft provides smooth, even drive, brings engine down LOW. Sealed bearings top and bottom. No obstruction in tube to impede grain flow. "It works 100%," says a Kansas rancher... and it will do the same for you. Write for FREE LITERATURE, low prices today.

THE WYATT MFG. CO., INC., Dept. B-39, Salina, Kansas



ALSO Type B Bazooka with idler drive, in 11-ft. truck unit or 16-ft. basic length. Sectional extensions to 21 feet.
Type C for vertical or permanent installation.
Type D on carrier for electric power.

Moves up to 1500 Bushels per Hour Without Cracking Grain.

Wheat Report

This report issued jointly by—Kansas Agricultural Experiment Station, Kansas State College, Federal-State Crop Reporting Service, at suggestion of Dean R. I. Throckmorton, Kansas State College, and H. L. Collins, Federal-State Agricultural Statistician, Topeka.

MUCH wheat in Kansas is in good to excellent condition, promises a good yield. Some wheat in central and southwestern sections has been damaged. Most extensive losses have resulted from drouth and cold. Insects caused some injury and threaten greater damage if conditions are favorable for their reproduction and spread.

Due to dry surface soil last fall, stands were thin and irregular and growth was scant in many fields in central Kansas... If rains come soon, the situation in that section could be quickly changed and permit recovery in fields having reasonably good stands.

Drouth damage developed in Southwest Kansas where moisture conditions were favorable for early seeding and the crop made very heavy growth during fall. Available moisture was depleted by rank growing wheat in some cases to depth of 4 feet. Only little rain and snow fell in that section during the winter and early spring. Under those conditions the crop was subject to greater damage from freezing... Limited acreage of wheat planted at recommended time in Southwest Kansas is generally in good condition. It usually made enough growth to provide soil cover but did not exhaust soil moisture...

Brown wheat mite is present on wheat in many fields, especially in Southwestern Kansas, adding to damage caused by dry weather.

Cutworms occur in damaging numbers in scattered individual fields in southwestern fourth of state... In many others, even neighboring fields, only a few cutworms and little damage can be found.

Green bugs are reported doing commercial injury to fields where they overwintered in the southern tier of counties... Varying numbers of these aphids are present in many fields north of this area and will constitute a threat to wheat, oats and barley for about 2 more months. Lady bird beetles and other predators and parasites already present in Southern Kansas wheat fields are likely to reduce amount of damage done by the green bug.

Hessian fly flax seed are present in volunteer wheat and in some early-planted fields in some northwestern and southeastern counties. Even if weather conditions are favorable to the fly, damage to wheat by the spring generation will not be evident until nearer harvest time.

At present there are no threats of wheat diseases in Kansas. Diseases ordinarily do not become evident this early. Rusts and mosaic usually show, if present, after considerable new growth has started, and smut does not show until heading time.

Feeding Grain

When feeder lambs are fed grain, hay and protein supplement, about 2 weeks should be taken to get them on a full feed of about one pound of grain per head daily. In grain sorghum areas where grain sorghum grain and stover, protein supplement and ground limestone make up the ration, about 4 weeks are required. This enables the feeder to utilize more of the roughage than in the corn-belt ration.—R. B. Cathcart, K. S. C.

Safe for Poultry

Using BHC to protect chickens from lice is perfectly safe, reports the U. S. Department of Agriculture. The "musty" flavor that sometimes results in fruits and vegetables after using BHC is not transmitted to either the eggs or meat of poultry.

In tests 3 groups of heavily-infested chickens were freed from all trouble with lice by the simple, easy, and inexpensive painting of their roosts with a suspension containing one per cent of the gamma isomer of BHC. For roosts of more than 1,000 birds, 4 gallons were ample.

This treatment was applied in the fall and was completely effective thru

the winter. The immediate effect was as a fumigant. Not a live louse could be found after 48 hours.

A Fruit Paradise

Dear Editor: I would like to tell you how Kelsey Creek, which crosses highway 68 about 1 1/2 miles east of Pomona, in Franklin county, got its name. There is an interesting bit of history connected with it.

When J. H. Whetstone came to the eastern part of Kansas nearly 100 years ago, he had a hope and desire of making this part a paradise of fruit.

He had as a partner or helper one T. Kelsey who was familiar with the propagation of fruit. So while Whetstone did the selling Kelsey took care of raising the apples, peaches, pears and berries and the nursery was down on his creek so it became known as "Kelsey's Creek."

Whetstone got a bill thru the legislature making the Marais des Cygnes

Class or Club Party

Whether you are planning for a class, a club or a community entertainment, the following leaflets will offer suggestions or be found useful.

- "You Can Make It" Party (6 suggestions). Price 3c.
- Games for Young and Old (21 games). Price 3c.
- The Spirit of Our Forefathers (play—speaking and pantomime). Price 5c.
- A Ticket for Amy (play, requiring 3 characters). Price 5c.
- The Rehearsal (play for school-age children—grade or high). Price 5c.

The play leaflets require little stage setting. Please address your order to Entertainment Editor, Kansas Farmer, Topeka.

navigable for boats as far as Pomona—the railroads came considerably later.

Then he set out big orchards on the hills north of Pomona and had apple drying and cider making equipment installed in a large stone building nearby.

In 1869 he laid out a town a mile square and he called it "Pomona" (Goddess of Fruits).

But the dream didn't materialize, the town still lives and every abstract of title in the town goes back to J. A. Whetstone. Kelsey Creek sleeps along except when a sudden rain changes it into a raging torrent.—Mrs. C. E. Reed, Ottawa.

Big Market

Wool from 17 million sheep is required each year in making upholstery for cars, it is announced in Automobile Facts.

SAVE 50% ON THIS SAVAGE
ELECTRO-HYDRAULIC TRUCK BED HOIST
Dumps heavy loads. No power takeoff, joints or gears. Self-contained unit connected to truck generator. Easily installed on your truck. Fully guaranteed. Factory-To-You Savings. Write for Free Folder. THE SAVAGE MFG. CO., 3910 W. Irving, Wichita, Kans.

POST HOLE DIGGER
The modern "Rapidigger" for Ford, Ferguson tractors. No gears, drive-shaft. Revolutionary invention. Guaranteed performance. Write for information.
RAPIDIGGER, 2278 Dudley, Lincoln, Nebr.

For Greater Farm Profits
Own a KANSAS-MISSOURI SILO and GRAIN BIN
They lead the field in every essential feature. There is a reason. Our New Method of manufacturing builds Greater Strength—Beauty—Durability.
Grain Bins that are Waterproof—Fireproof—Vermi-proof. Investigate our payment plan before you buy—monthly, quarterly or semi-annually. LIBERAL DISCOUNT for early orders. ASK any K-M owner. Write for complete information.
KANSAS-MISSOURI SILO CO.
1929 Kansas Ave.
Topeka, Kansas. Phone 2-2757

Dairy CATTLE



GUERNSEY INFORMATION KIT

Whether or not you own Guerneys, you'll find valuable tips on breeding and milk production in this complete 1950 Kit, available through the American Guernsey Cattle Club.

Packed with practical facts and figures and market data - this timely Kit will prove useful to anyone interested in breeding, buying, selling or dairying.

And remember, Guernsey Cattle and premium-priced GOLDEN GUERNSEY Milk have proved a dependable source of better income in countless cases.

FREE Information Kit * Mail Coupon TODAY

Mail coupon form for the American Guernsey Cattle Club, including fields for name, address, and city/state.

JERSEY DISPERSAL

IRA B. KEMERY ESTATE Maloy, Iowa. At Marycrest Farm - 13 miles east of Bedford Saturday, May 6, 1:00 P. M. 24 Head REGISTERED JERSEYS

Registered and Pure Bred WISCONSIN HOLSTEIN CALVES

For Higher Production Herds. Exceptional offering of registered and pure bred Holstein, Guernsey and Brown Swiss heifers and bulls from the finest herds.

Holsteins Sunnymede Farm "BURKE'S"

Senior Sire PABST BURKE LAD STAR. Sire: Wisconsin Admiral Burke Lad. Dam: Olive Lady Star.

BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days.

HOGS

FRED FARRIS "NIGHT SALE" of DUROCS

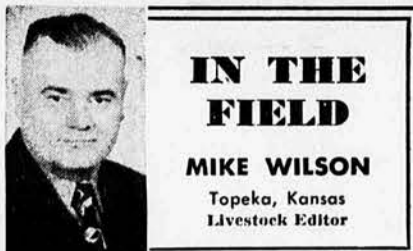
At farm just east of FAUCETT, MO. Faucett is 11 miles south of St. Joseph, Mo. 40 miles north of Kansas City, Mo., on 71 hwy. Selling 15 Fall Boars and 25 Open Fall Gilts on FRIDAY NIGHT APRIL 21 at 8 P. M.

EXCELLENT DUROC BOARS

Sired by Super-Spotlight, Lo Thickmaster, Perfect Trend, and Crusader Ace. These are 4 to 12 months old, heavy hammed, low built, real feeding quality and will improve your herd.

HAVEN HOLLOW FARM DUROCS

Husky Fall Boars and Gilts by MODEL PROMOTER and STAR KING. Registered, immune and guaranteed.



IN THE FIELD MIKE WILSON Topeka, Kansas Livestock Editor

Don't Miss Feeders' Day

The 37th Annual Livestock Feeders' Day, held regularly the first Saturday in May, comes May 6 at Kansas State College, Manhattan, announces Rufus Cox, head of the Animal Husbandry Department.

Among tests reported this year will be a study of grass utilization in beef production, involving:

- 1. Effects of different wintering plans on subsequent pasture gains of steer calves. 2. Modified systems of deferred full-feeding of heifer calves... 3. Winter grazing of yearling steers. 4. Effects of various pasture management systems on the livestock and on the pasture.

An out-of-state guest speaker of prominence will again be a feature of the program.

There also will be a women's program during the afternoon, featuring various items related to livestock production and meat consumption of special interest to women.

Annual Round-Up and Feeders Day at the Fort Hays Branch Experiment Station, at Hays, will be held this year on Saturday, April 29, announces Superintendent L. C. Aicher.

A morning session will begin at 10:30 with presentation of results of full-feeding steers lotted according to sires.

Dr. Rufus Cox, head of the department of animal husbandry, Kansas State College, will preside at the afternoon session, beginning at 1:30. A. F. Swanson, sorghum crops specialist at Fort Hays, will present a discussion on "Forage and Grain Sorghums for Western Kansas."

Dr. C. P. Thompson, of the animal husbandry department, Oklahoma A. & M. College, Stillwater, will be on hand for an address which will be one of the highlights of the occasion.

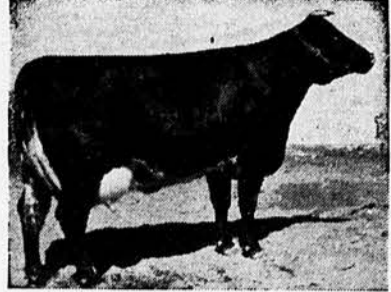
F. E. Meenen, forage crops specialist at Fort Hays, will discuss "Vegetative Cover as Affected by Grazing at Different Intensities," and Frank B. Kessler, animal husbandman at the station in charge of grazing investigations, will discuss last year's results of steer-grazing investigations which have been underway since 1946.

LUTHER GOLDBERG, of Essex, Ia., Spotted Poland China Breeder, made a public sale of bred gilts on February 7, at Shennadoah, Ia. The offering was well fitted and well marked and absorbed by buyers from Illinois, Minnesota, Nebraska, Missouri and Iowa.

The HEART OF AMERICA ANGUS sale, Kansas City, March 9, made an excellent average of \$543 on 66 head. Top bull sold for \$2,450 to Angus Acres, Bern. The champion bull was second high-selling bull and at \$1,650 he went to Triple S Ranch, Rosalia.

KANSAS BERKSHIRE hog breeders gathered at Wichita, February 20, for their annual consignment sale of bred gilts. In addition to the bred sow sale, a number of open gilts and fall boars were sold at satisfactory prices.

JOHN C. GAGE DISPERSAL and JOHN B. GAGE REDUCTION SALE of Milking Shorthorns, April 26



At the farm 1 mile south of highway No. 10, 5 miles east of Lawrence, 3 miles west of Eudora.

65 HEAD—35 Cows, 25 Heifers, 5 Bulls

The offering includes 17 daughters of Iford Earl Kwynne 11th. (imported). Daughters of such herd sires as Neralcam Admiral, Neralcam Victor R. M., Walgrove Campfire R. M., Queenston Babraham R. M. and Lou's Protector R. M.

Catalogs will be mailed only on request. Write to John C. Gage, 1304 Tennessee St., Lawrence, Kan.

FRITZ KERBS & SONS REDUCTION HEREFORD SALE



Selling at ranch 3 miles north and 1/2 mile west of Otis, Kansas - April 22

37 Bulls—18 Polled and 19 Horned 53 Females—24 Polled and 29 Horned

For catalog and information write VIC ROTH, Sale Manager, Box 702, Hays, Kan. Freddie Chandler, Auctioneer Mike Wilson for Kansas Farmer

Production Tested BOAR & GILT SALE Monday, April 17



35 Boars—35 Open Gilts—30 Bred Gilts Representing the maximum in production testing and ideal type. Identical breeding to our champion carload of barrows... housewife approved type. Boars and gilts sired by champions. Bred gilts mated to a littermate and son of Master Model.

LOCATION: At the home ranch 7 miles west of Hiattville on State Route 39. O'BRYAN RANCH - Hiattville, Kansas

ribbon groups—3 in each particular group. The first group of 3 made an average of \$177 a head. The top-selling group of fall boars made an average of \$143. The group of fall gilts averaged \$50 a head.

THE KANSAS STATE ABERDEEN-ANGUS BREEDERS ASSOCIATION will hold its Annual Field Day on July 31, at the A. L. Gorges Farm, at Fall River. This annual event has created quite an interest in the breeding of Angus cattle.

BAUER BROTHERS, famous for good Poland Chinas, held their Annual Bred Sow Sale, at the fair grounds at Fairbury, Nebr., February 13. Thirty-five head were sold, 20 of them going to the state of Nebraska.

Vice-President John E. Brink, LeRoy, of the FLINT HILLS HEREFORD ASSOCIATION, announces the spring meeting will be held on Saturday evening, May 13, at the Burlington Country Club.

Jackson George, known in this country as the "Squire of the Ridge" and his brother, "Phiddlin Phil" and their helpmates have been helping Mr. and Mrs. Brink arrange for a good meal and pleasant entertainment.

SPOTTED POLAND Fall Boars and Gilts

Quality suitable for herd improvement or foundation stock. CARL BILLMAN, Holton, Kansas

REGISTERED SPOTTED POLANDS

Choice fall boars from the outstanding bloodlines of Justrite or New Mercury. Also taking orders for unrelated weanling boars and gilts. EVERGREEN FARMS, Herbert Holliday, Berryton, Kansas

SPOTTED POLAND CHINAS

Choice registered weanling boar pigs. Prices reasonable. MARION MITCHELL, Thayer, Kansas

FOR SALE

Registered Spotted Poland China Fall Boars. Good bloodlines. Extra large. Double immune. ROY G. KELLER, Berryton, Kansas

DUROC CHAMPION BRED GILTS

Bred to champion bred boars by Royal Fleetline 1st and He'l Do's Model, for last half of March and April 1st farrowing. Also splendid September pigs. One very outstanding serviceable boar. B. M. HOOK & SON, Silver Lake, Kansas

ETHYLEDAL FARM

Improved for type and bigger litters. Best of breeding. Choice fall boars and fall gilts ready to go. DALE SCHEEL, Emporia, Kan., Rt. 2

Livestock Advertising Rates

1/4 Column inch (5 lines) \$3.00 per issue 1 Column inch \$8.40 per issue The ad costing \$3.00 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before. MIKE WILSON, Livestock Editor 912 Kansas Avenue Kansas Farmer - Topeka, Kansas

KROTZ STOCK FARMS SALE ABERDEEN-ANGUS CATTLE

Annual Production Offering

**Wednesday,
May 10, 1950**

at the Sale Pavilion
Marysville, Ks.

40 Head

17 BULLS . . . 23 FEMALES



All bulls of serviceable ages, more top herd bull prospects than we have ever offered in a sale before. The females are a top lot of foundation heifers. Nearly all sired by EVER PRINCE of SUNBEAM and his sons.

Ever Prince of Sunbeam

Has been proven, in our past sales and shows, as one of the top sons of BLACK PRINCE of SUNBEAM. His sons in service are:

- Bar Ever Prince 785246
- Ever Prince Revolution 4th 854908
- Ever Prince 44th 1090549
- Ever Prince 100th 1090547

Write for Copy of Our Catalog . . .

KROTZ STOCK FARMS

M. J. KROTZ

Odell, Nebraska

JOSEPH KROTZ



Sutor Hereford Farms

Production Sale

April 19

at the farm

Zurich, Kansas

- 15 Bulls, 20 to 24 months old
- 20 Bulls, 12 to 16 months old
- 9 Bred Heifers bred to S. H. F. Baca 4th
- 10 Open Heifers, yearlings
- 6 Cows with calves at side.

Baca, Domino and Anxiety breeding featured in this sale.

The ranch is 3 miles west, 3 miles south and 1 mile west of Zurich, Rooks county. 30 miles northwest of Hays.

For catalog and other information write

SUTOR HEREFORD FARMS

Zurich, Kansas

WILLOW CREEK STOCK FARM Production Sale of REG. POLLED HEREFORDS

At the Ranch, APRIL 25



- 20 BULLS and
35 FEMALES
- 5 coming 2-yr.-
old Bulls
15-20 mos. old
- 15 Yearling
Bulls
- 24 Open
Heifers
- 11 Bred
Heifers

This offering will be made up of get of WHR Leskan 2nd, 3rd

For catalog and particulars contact

WILLOW CREEK STOCK FARM

JOHN RAVENSTEIN & SON, Cleveland, Kan., Ph. Belmont 7F11

I have a very interesting letter from CLARE SOWERS, of Ottawa, who owns and operates Clare Mar Jersey Farm. He is very enthusiastic about the spring shows to be held in April at various points. He feels his breed needs some promotion work. Clare Mar Farm does not operate on a large scale. They maintain a herd of 20 registered cows of the good-plus caliber with profitable production. They have in mind improving their herd as time goes on.

The Sowers family is made up of Mr. and Mrs. Sowers, and 3 boys aged 2, 9 and 11. This is an ideal family to carry on a dairy farm. The Sowers moved to Kansas in 1944 from Iowa.

An auction sale of registered Hereford bred gilts was held February 23 at HG HEREFORD FARMS, 14 miles north of Colby. This ranch is owned and operated by MR. and MRS. HOWARD GROVER. This was probably the first public sale of Hereford hogs held in the Northwest section of Kansas. The results were very gratifying. Fifty-eight head were sold at an average of \$141 a head. J. D. Hudson, of Stratton, Nebr., purchased the top-selling gilt in the auction at \$202.50. The local demand for this offering was very good, as 47 out of the 58 head were bought by Kansas farmers and breeders. The offering was presented in very good breeding condition and was readily accepted by the purchasers. E. T. Sherlock, of St. Francis, sold the sale.

REPUBLICAN VALLEY HEREFORD BREEDERS' ASSOCIATION annual sale was held at Red Cloud, Nebr., March 5. This organization is made up of Hereford breeders from both Nebraska and Kansas. Seventy-five head of cattle sold for a general average of \$498 a head. Top bull was bought by J. E. Coffman, of Broken Bow, Nebr., at \$2,150. Top female sold to Mrs. Ralph Billenwillms., of Burr Oak, at \$510. Bulls averaged \$562 and females made an average of \$348 a head.

The sale manager reports local demand was very good, and that the cattle were bought by Kansas and Nebraska farmers and breeders. The offering was presented in very good breeding condition. The sale was well managed by Engaard Lynn, of Red Cloud. Charley Corkle sold the offering.

The BOYD GOSCH Ayrshire sale was held on the farm at Norwich, March 15. Number of cattle sold was small but outcome of the sale was very satisfactory. Marshall Oyler, of Norwich, paid \$225 for the top-selling bull. A top of \$500 on cows was reached when Raymond Dicks, of Garden City, gave that figure for a cow in the auction. Bulls sold averaged \$141 a head. Cows made an average of \$382, bred heifers \$275 and the little open-heifer calves averaged \$160 a head.

Weather was not favorable as it rained the entire morning of sale day. However, around 300 people attended the auction. Top bull in this sale was the only animal that was purchased in the vicinity of Norwich. The remainder of the offering was sold out of that territory. Newcom and Hand conducted the sale.

SOUTHEAST KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION assembled at Iola for their 5th annual sale, April 5. A show was held in the morning. Cattle were placed in their various classes by Phil Ljungdahl, manager of Sunbeam Farms, Miami, Okla.

Champion and top-selling bull was BPR Black Prince 718th, consigned by Blackpost Ranch, of Olathe. The bull was purchased by Lawrence Brown, of Toronto, at \$800. Champion female of the show also came from the Blackpost consignment. An August, 1948 heifer, bred to the Blackpost herd sire, sold to Lawrence Brown, of Toronto, for \$500. Top-selling female was Maid of Bummer 19th from the Triple S Ranch consignment, and sold to Black Ridge Angus Farm, of Burlington. This ranch is owned by Joe Jauernig.

Thirty bulls averaged \$417. Thirty-six females averaged \$340. Sixty-six head sold made a general average of \$375 a head. This was \$74 a head more than the 1949 average. Clarence C. Ericson did a fine job in managing the sale. Ray Sims sold the offering.

DEERHILL ANGUS FARM, owned by Mr. and Mrs. Locke Herschberger, Little River, was host to a large crowd at the annual Mid-Kansas Angus Field Day. The generous hospitality of the owners, the nice day and good cattle all contributed to the success of the field day. This Field Day is held each year previous to the annual sale so fellow breeders may have the opportunity of seeing breeding cattle that will be represented in the sale, as well as sale cattle. The 1950 sale will be held May 11 at Hutchinson.

Don Good, Kansas State College, placed the cattle in the show. Deerhill Angus Farm showed both champion and grand champion bull. Champion female was shown by H. F. Sankey & Son, of Sterling. Reserve champion was shown by Harry Pierce, of Hutchinson. Officers of this association are president, Fred Schultis, Great Bend; vice-president, Dick Paton, McPherson, and secretary, Phil Sterling, Canton.

G. M. (MEL) SHEPHERD, veteran Duroc breeder of Lyons, reports one of the heaviest seasons of Duroc trade since he has been in the business. Also his sows have all farrowed this year and have brought unusually large litters. Many of his sows have farrowed up to 16 pigs per litter and they are coming along nicely. In one single day Mr. Shepherd sold 15 bred gilts and 2 boars at private sale. He has moved as many as 5 boars in one day. The breeding stock he has sold has been purchased by breeders and farmers from Colorado, Oklahoma, Texas, Missouri and Illinois and, of course, the larger part of the crop has been absorbed by Kansas buyers.

Mr. Shepherd has bred Durocs since 1904, and the quality and good bloodlines of his herd is widely known thruout the United States. He sees cheaper feed in sight, and also thinks there is a bright future for those who are in the hog business if they stay with the type, quality and bloodlines so much in demand at present.

The FRED SHAMBERGER registered Guernsey sale, Graham, Mo., on March 30, was not a sale where high prices prevailed. Buyers seemed to be conservative in what they wished to pay. Fourteen head of mature animals averaged \$307 with a top of \$390. Two head sold for \$350. Top-selling female was lot 1, a 4-year-old cow that was a high producer, and on the bid of E. Hale Haas, Independence, Mo., she topped the sale. Top bred heifer at \$325 went to Ralph Carter, Skidmore, Mo. Top open heifer sold for \$245 to W. H. Bates, Carthage, Mo. Thirty-two head, which included 4 bulls, all quite young and several quite young females averaged \$242. The 4 young bulls averaged \$128. Top on young bulls was \$140. This herd in DHIA and HIR made an average of 375 pounds of butterfat for the last 4 years.

This was a reduction sale and the older females and the herd bull were retained. These Guernseys went to many sections of Missouri.

Heaviest buyer from Kansas was Walter Sloan, Leavenworth, who purchased 3 head. Bert Powell, Topeka, and Les Taylor, Maryville, Mo., were the auctioneers, assisted by press representatives.

Another record was made by the U. S. CENTER ABERDEEN-ANGUS BREEDER'S ASSOCIATION, when they made their annual sale, in Smith Center, March 28. Their 1950 sale average was highest ever made by this organization. Eleven bulls averaged \$467. Fifty-four females made an average of \$385. Sixty-five head sold in the auction at a general average of \$398 a head.

A top of \$850 was reached on bulls when T. W. Jackson, of Phillipsburg, purchased lot 58, Ever Prince 6th of Remus consigned by Max D. Remus, of Cawker City. This was the champion of the show held previous to the sale. Harold Gless, of Arnold, was the buyer of the top female when he paid \$720 for the champion female of the show, Cremella June, from the G. W. & Ada C. Caldwell consignment, of Harlan. Guy Caldwell, of Harlan, was sale manager. Hamilton James cried the sale.

21 Earn Scholarships

Twenty-one Kansas 4-H Club boys and girls have been announced as winners of the 1949 Carl Raymond Gray (Union Pacific) college scholarships of \$100 each, according to the State 4-H Club Department, Kansas State College, Manhattan.

Each year the railroad company awards scholarships in agricultural or home economics courses at Kansas State College to outstanding 4-H Club members who live in areas of the state serviced by the Union Pacific railway.

The 1949 winners with their home towns and counties: Dean Robson, Abilene, Dickinson; Norman Elliott, Bendena, Doniphan; Lester Borecky, Wilson, Ellsworth; Jane Kenyon, Bogue, Graham; Harley Holliday, Jr., Holton, Jackson.

Kathleen Sloop, Oskaloosa, Jefferson; Clarelyn Guggisberg, Sylvan Grove, Lincoln; Duane Boston, Oakley, Logan; Janet Bornholdt, Windom, McPherson; Richard Talbot, Marysville, Marshall; Margaret Houghton, Tipton, Mitchell; Gladys Rottinghaus, Seneca, Nemaha.

Marilyn Myles, Bloomington, Osborne; Derrell Hills, Tescott, Ottawa; Bessie Rowe, Manhattan, Riley; Robert Stalnaker, Plainville, Rooks; Barbara Lindburg, Lucas, Russell; Ralph Rawline, Gypsum, Saline; Jeline Jernigan, Wakarusa, Shawnee; Philip Pratt, Hoxie, Sheridan; Virginia Ann Reiss, Weskan, Wallace.

Alternates named included: Joan Engle, Abilene, Dickinson; Sherlund Prawl, Severance, Doniphan; Norma Mantz, Kanopolis, Ellsworth; David McRae, Penokee, Graham; Carolyn Hanson, Axtell, Marshall; Richard Bonjour, Onaga, Nemaha; Richard Russ, Woodston, Rooks; Lawrence Odgers, Salina, Saline; Charles Thomas, Silver Lake, Shawnee.

Newcastle Help

A new-type, low-virulence Newcastle disease vaccine recently put into production by Dr. Salsbury's Laboratories under license from the government, was introduced to poultry raisers February 13. The vaccine, prepared as an intranasal vaccination, is known as Newcastle Disease vaccine, "live virus, intranasal."

Dr. S. B. Hitchner, of Virginia Polytechnic Institute, Blacksburg Va., first developed the vaccine. Its efficiency and safety has been confirmed by extensive field trials, according to reports from several sources.

With Newcastle disease on the increase in poultry flocks thruout the nation, the vaccine is particularly noteworthy. It can be given to birds of all ages, including baby chicks and laying hens. Prior to development of this vaccine, no safe, effective Newcastle vaccine for baby chicks and laying birds was available. Now, however, these birds can be vaccinated against Newcastle with a considerable margin of safety, efficacy, and long-lasting immunity, it is reported.

Indications are that laying hens are not thrown out of production thru use of the vaccine. Almost without exception, tests of Intranasal Vaccine on laying birds have shown no serious losses in egg production.

Vaccination is easily accomplished by administering a drop of vaccine thru one nostril of the bird. According to authorities, this method has proved highly successful.

Cotton for Strainer

It is a simple matter to filter or strain almost any liquid if you know one little trick. Just place a wad of sterile absorbent cotton in a funnel and pour the liquid thru the cotton. It will come out as clear as crystal.—A. B. C.

Beef CATTLE

POLLED SHORTHORNS
John F. Reece

Bull and heifers by Greenland Variety 6 to 18 months old, good number to select from. Reasonable prices. Commercial and breeders bulls.

4 miles south and 2 1/2 miles east of Langdon, Kansas
Phone 2706

REGISTERED SHORTHORNS

All calves to serviceable ages, also a few choice heifers. Good dark color, best of type and bred by the show and breeding bull, Prince William 20th.

LENN E. LACY & SON, Miltonvale, Kansas

AMERICA'S FASTEST GROWING BEEF BREED

Proof of the profit-making ability of Angus cattle is the rapid growth of this modern breed. In 1949 the Angus breed was the only major beef breed showing increases in both registration and transfers of pure-bred cattle. For information write Dept. K, AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION, Chicago 9, Illinois



FOR SALE

POLLED HEREFORDS

Proved sire. Also serviceable-age bulls from our tried-by bloodlines that has been so reliable and produced so many show winners for us.

Jesse Riffel & Sons
Enterprise, Kansas

REGISTERED HEREFORDS

Our registered heifers, 15 months old; one 3-year-old bull ready for heavy service, also bull calves. All sired by Royal Tredway L. by WHR Royal Tredway 8th. Our bulls have sired more champion cattle at Abilene sales than any other sire.

JONES HEREFORD FARM, Detroit, Kansas

YEARLING POLLED HEREFORD BULLS

Bred by Defeo Mischief, Worthmore and Harmon breeding, good individuals, well developed and priced reasonable.

GOERNANDT BROTHERS, Ames, Kan.

Dual-Purpose CATTLE

OFFERING MILKING BRED SHORTHORN BULLS

Calves to serviceable age. Reds and roans. Production tested and classified dams, up to "Excellent." Also a few females.

Peterson & O'Donnell, Rt. 2, Junction City, Kan.

SHEEP

MO. HAMPSHIRE SHEEP BREEDERS RAM SALE

will be held at the Chamber of Commerce Sales Pavilion.

South St. Joseph, Mo.
May 11 at 1 P. M.

The Sales Offering: 15 of Missouri's Top Breeders have consigned 27 rams for this sale in connection with the Kansas lamb and wool growers association meeting which will be held at St. Joseph on May 10 and May 11. This sale sponsored by the Missouri Hampshire Sheep Breeders' Association.

For sale catalog or other information write to GLEN ARMENTROUT, Sales Mgr. Norborne, Mo.

Auctioneer: Bert Powell, Topeka, Kan.

AUCTIONEERS

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

BERT POWELL
AUCTIONEER
LIVESTOCK AND REAL ESTATE
1829 Plass Avenue Topeka, Kan.

Ross B. Schaulis, Auctioneer
Purebred Livestock, Real Estate and Farm Sales.
Ask those for whom I have sold.
CLAY CENTER, KANSAS

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

Public Sales of Livestock

Aberdeen-Angus Cattle
April 18—Northeast Kansas Aberdeen-Angus Breeders' Association, Hiawatha, Kan. Harry Dandliker, Secretary, Hiawatha.
May 9—Sunflower Farms, Swartz Brothers, Everest, Kan.
May 10—Krotz Stock Farms, Odell, Nebr. Sale at Marysville, Kan.
May 16—Marycrest Farm, Maloy, Ia. J. B. McCorkle, Sales Manager, 3710 A.I.U. Bldg., Columbus 15, O.
November 9—Kansas State Angus Association Sale, Hutchinson, Kan., State Fairgrounds, Don Good, Secretary, Kansas State College, Manhattan, Kan.

Guernsey Cattle
April 24—Missouri Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, University of Missouri, Columbia, Mo.

Hereford Cattle
April 19—Sutor Hereford Farms, Zurich, Kan.
April 21—Calnon Brothers complete dispersion, McDonald, Kan.
April 22—Fritz Kerbs, Otis, Kan. Vic Roth, Sale Manager, Hays.
April 24—Paul & Gladys Molz, Kiowa, Kan. (Polled Herefords)
November 3—Covley County Hereford Association, Winfield, Kan.
December 8—South Central Sale, Newton, Kan. Phil H. Adrian, Moundridge, Kan.

Holstein Cattle
April 17—Central Kansas Breeders Spring Consignment Sale, Hutchinson, Kan. T. H. McVay, Manager, Nickerson, Kan.
October 23—Central Kansas Holstein Breeders Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.
November 2—Kansas State Holstein Sale, Herington, Kan. Raymond Bollman, Edna, Kan., Chairman of State Sale Committee.

Jersey Cattle
May 6—Ira B. Kemery Estate, Blockton, Ia. Sale at Marycrest Farm, Maloy, Ia. Ivan N. Gates, Sales Manager, West Liberty, Ia.

Shorthorn Cattle
April 18—Alvin T. Warrington, Leoti, Kan., and Donald Pepoon, Deerfield, Kan. Sale at Leoti, Kan.
June 15—W. A. Cochel, Parkville, Mo., and D. W. Bishop, Gashland, Mo. Mervin F. Aegerter, Manager, Seward, Nebr.

Polled Shorthorn Cattle
April 15—D. A. Cramer Dispersion, John C. Sell, Fred C. Duey & Sons, Chester, Nebr. Sale at Deshler, Nebr.

Milking Shorthorn Cattle
April 25—National Sale, Springfield, Mo. W. J. Hardy, Secretary, American Milking Shorthorn Society, 4122 South Union Ave., Chicago, Ill.
April 26—John C. Gage and John B. Gage, Eudora, Kan.

Hampshire Hogs
April 17—O'Bryan Ranch, Hiattville, Kan.

Hampshire Sheep
May 11—Missouri State Breeders' Association Ram Sale, St. Joseph, Mo. Glen ArmentROUT, Sales Manager, Norborne, Mo.
June 5—North American Hampshire Sale, Oskaloosa, Ia. North American Sheep Breeders, Managers, Oskaloosa, Ia.

Suffolk Sheep
June 5—North American Suffolk Sale, Oskaloosa, Ia. North American Sheep Breeders, Managers, Oskaloosa, Ia.

Sheep—All Breeds
June 23-24—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Manager, Jefferson City, Mo., care of State Dept. of Agriculture.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$30.00	\$27.75	\$25.75
Hogs	16.35	17.00	19.25
Lambs	28.50	26.50	29.00
Hens, 4 to 5 lbs.	.21	.25	.36
Eggs, Standards	.25 1/2	.30	.41 1/2
Butterfat, No. 1	.56	.58	.54
Wheat, No. 2, Hard	2.36 1/4	2.27 1/2	2.32
Corn, No. 2, Yellow	1.40 1/2	1.32	1.41 1/4
Oats, No. 2, White	.85 1/2	.84 1/2	.79
Barley, No. 2	1.18	1.21	1.24
Alfalfa, No. 1	27.00	27.00	30.00
Prairie, No. 1	14.00	14.00	18.00

On the Job

The veterinary profession is awake as to the need of the livestock industry in filling the nation's meat basket. That this is true is indicated by the vast amount of research work being done on animal diseases, on drugs and chemicals, biological agents, and antibiotics to combat these diseases, the country over. New knowledge of animal diseases, methods of treatment, and improved surgical procedure are becoming every day occurrences as a result of this research.—E. E. Leasure, K. S. C.

Accurate Scales

When you see scales in Kansas being checked by the Weights and Measures Division of the Kansas State Board of Agriculture you can be sure the check will be accurate.

Weights used by the state division recently were given a thoro check, too, and proved accurate to 1/350,000 of one per cent.

The Kansas weights were tested by the National Bureau of Standards, Washington, D. C., according to J. Fred True, state sealer.

For School Lunches

Kansas school children, thru the school-lunch program, soon will be munching on 90,000 pounds of sweet potatoes purchased in East Texas thru the PMA, it is announced.

CALNON BROTHERS
Complete Dispersion of REGISTERED HEREFORDS
April 21, 1950

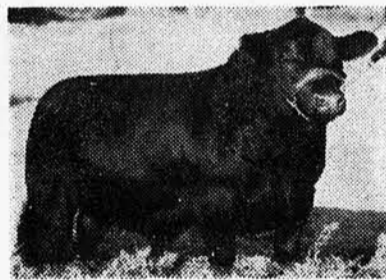


88 Females --- 12 Bulls

The bulls include 10 yearlings and our 2 herd bulls. Premier Tredway 7th by WHR Royal Tredway 9th 4643346 and Carlos Domino Jr. 25th by WHR Carlos Domino 3rd 5113534. Also 50 head of 1949 heifers not registered and 50 steer calves. The offering consists of cows with calves by side, open and bred heifers. This herd of registered Herefords was founded and built from the strongest bloodlines the breed affords. Good herd bulls have been used, consequently it has been developed into one of the good herds of Northwest Kansas. Don't fail to be with us sale day. The cattle are selling in range condition and are Tb. and Bang's tested. Sale starts at 12 o'clock C.S.T. and will be under cover at the ranch, 8 miles south and 1 1/2 miles east of McDonald, Kan. Write for catalog to

Calnon Brothers, Owners, McDonald, Ks.
E. T. Sherlock, Auctioneer Mike Wilson for Kansas Farmer

Selling the Get of . . .
Revolution's Black Prince
and the service of . . .
Ever Prince of Sunflower



Ever Prince of Sunflower

Tuesday, May 9

1:00 P. M.
at the farm

Everest, Kansas

3 miles east on Kansas Highway 20 from Everest, and only 40 miles west of St. Joseph, Mo.

52 HEAD

These cattle are sired by such outstanding bulls as REVOLUTION'S BLACK PRINCE, a grandson of Revolution 7th and EVER PRINCE REVOLUTION 2d, a top son of Ever Prince of Sunbeam.

15 BULLS

10 Are Ready for Heavy Service

5 Bulls from 12 to 14 months old, sired by Revolution's Black Prince, Ever Prince Revolution 2d and Sunflower's Prince 13th.

37 FEMALES

12 Bred Heifers, daughters of Revolution's Black Prince, and carry the service of Ever Prince of Sunflower and Ever Prince Revolution 2d.
25 Open Heifers by Bandolier's Barbarian H. F., a son of Bandolier of Don Head 3d. Most of the heifers are out of Briarcliff bred cows.

SUNFLOWER ANGUS FARMS

Swartz Brothers (Keith and Bob), Everest, Kansas
Cols. Roy Johnston and Ray Sims, Aucts. Mike Wilson for Kansas Farmer

RE AND S
 APR 17
 KANSAS



FARM NEWS-GRAPHIC

A picture review of successful farming brought to you by the Standard Oil Company



Homemade anti-weed sprayer.

Efficiency and economy are claimed for this farm-built device for spraying weeds. It was constructed by Frank Lemler of Bourbon, Indiana, who is seen operating it in his corn field. The sprayer is attached to the front of the tractor and carries two 50-gallon barrels of spray. A pressure pump runs from the power takeoff and gives about 40 pounds of pressure at twelve nozzles which are about 18 inches apart on the 18-foot boom. It sprays six rows of corn at a time. And speaking of efficiency and economy, Mr. Lemler says that he gets both power and lubrication at low cost with STANDARD RED CROWN Gasoline and PERMALUBE Motor Oil. "Yes, my Standard Oil agent saves me money in two ways. My fuels and lubricants go further and I get less engine wear," he says.



Ribbons to George Collins.

The ribbons seen on the table in front of George Collins, of Monticello, Minnesota, are a few of his many awards for raising and exhibiting purebred Jersey cows. Some of his ribbons, medals and trophies were won at Illinois, Iowa and Minnesota State Fairs and the National Dairy Congress. A steady Standard Oil customer for eighteen years, Mr. Collins counts on PERMALUBE Motor Oil to keep down repair bills in his power-farming operations. "I can always depend on PERMALUBE for perfect lubrication," he says.



North Dakota Seed King. John H. Ridley, Maida, North Dakota, could easily claim that title. He has raised thousands of bushels of certified seed, including durum wheat, flax and barley, which he has sold nationally since 1937, and has won many seed-show awards. In his power farming operations he is a steady user of Iso-Vis Motor Oil.



Topper cropper. On just 300 acres of irrigated land near Avondale, Colorado, Louis Aldred raises 2,000 lambs, sugar beets, pop corn, field corn, beans, alfalfa, and one of the largest crops of vine seeds in the United States. He also is a livestock feeder and horse breeder. The bags of cantaloupe seed shown on the truck are worth the price of a small home, Mr. Aldred said. Many Standard Oil products are used on the Aldred farm, including BOVINOL Stock Spray with Methoxychlor.



Meet Royal Rambler!

You are looking at the winner of the first prize in the Senior Yearling Division of the Short-horn Class at the Minnesota State Fair, Royal Rambler, owned by H. A. Craft (left) and his son, Arden Craft, of Correll, Minnesota, who are holding the fine animal. The Crafts use STANDARD RED CROWN Gasoline exclusively, declaring it gives them fast starts and quick warm-up. "We ought to know, because we've used it for 28 years," said H. A. Craft.

Your Standard Oil Man

