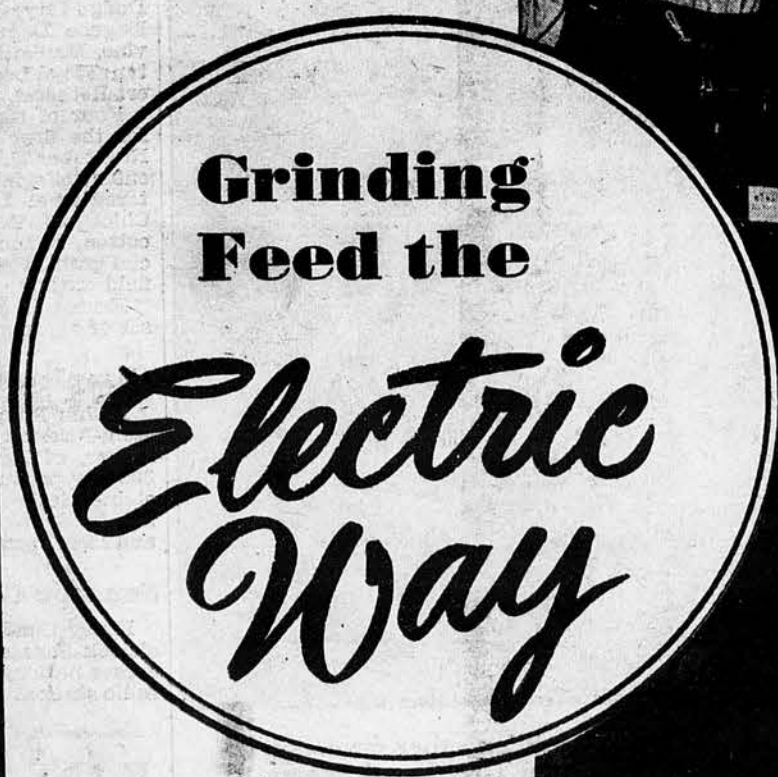


Kansas Farmer



No trouble to get leghorns to pose for their pictures if you scatter grain for an afternoon snack, Mrs. Will Urish, Shawnee county, demonstrates. On the Urish farm about 300 layers perform well the year around.

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WHEN you simply flip a switch and your feed grinder starts humming with a low, gentle purr, you can hardly classify that job as a daily chore. At least that's the way Will Urish, Shawnee county farmer (pictured above), looks upon his electric outfit which plays such an important role in poultry operations on his 80-acre farm. [Continued on Page 2]

- **High-Quality Wheat**Page 4
- **Farm Homes Have Changed**.....Page 7
- **Cows Increase Income**Page 10

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Grinding Feed

(Continued from Page 1)

The feed grinder purchased 3 years ago has a built-in motor and has never given a minute's trouble, according to Urish. Located in a relatively long but narrow building—it was formerly a freight car—the feed mill only requires a big hopper full of grain with bin room below. When the chores about the barn and poultry house are finished, Redd Kilowatt has likely finished his chores too.

The Urish family moved to this tract of land about 4 years ago and promptly built a new home. Only 5 miles from Topeka, the couple decided the standard of building construction for their new house had to be in keeping with the fine type of suburban dwellings that were in the immediate neighborhood and acted accordingly. Landscaped tastefully with farm buildings well to the rear of the building site, the Urish home is one of the nicer farm homes in the vicinity.

Altho the Urish flock of 300 Leghorns consumes a lot of grain that has passed thru the feed mill, that's only a part of the daily ration. Balanced mixed feeds and concentrates, fed in accordance with recommendations of poultry authorities, are used pretty religiously by the Urish family team now consisting of husband and wife since the only son married a few years ago.

Incidentally, the new farm home is all-electric in every particular—cook-stove, hot-water heater, refrigerator, washing machine and all. The family gives due credit to Earl Palmberg, farm engineer of the Kansas Power & Light Company, for counsel and advice in purchase of electric equipment that suits their needs.

Crop Judging Team Named

The Kansas State College crop-judging squad has been named. The 7 men on the team are: Frank Anderson, Dodge City; John Barum, Manhattan; Eugene Dage, Hutchinson; Paul Rivine, Manhattan; Cleo Kuhn, Manhattan; Floyd Leonard, Sublette, and Robert Rethorst, Spearville.

Four of the members will compete for the first time in Kansas City on November 21. Four days later they will enter collegiate competition at the International Livestock Exposition, in Chicago. In the contests they will grade cotton, cotton stapling, and commercial grain. They also will judge various field crops.

Ernest L. Mader, associate professor of agronomy, is coach of the team.

Completes Test

Bluhm Fobes Inka, registered Holstein-Friesian cow owned by Grover G. Meyer, of Basehor, has completed a 365-day production test with the Holstein-Friesian Association of America. She produced 587 pounds of butterfat and 15,697 pounds of milk.

Senator Capper on Radio

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

KANSAS FARMER

Continuing Mail & Breeze

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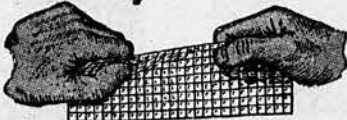
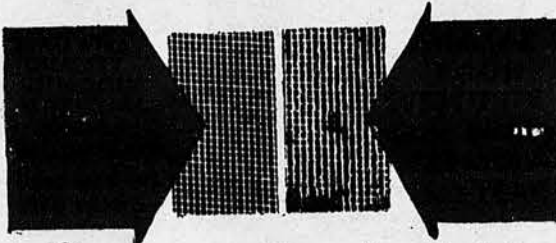


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New Sedimentation Test Singles Out . . .

High-Quality Wheat

By ED RUPP

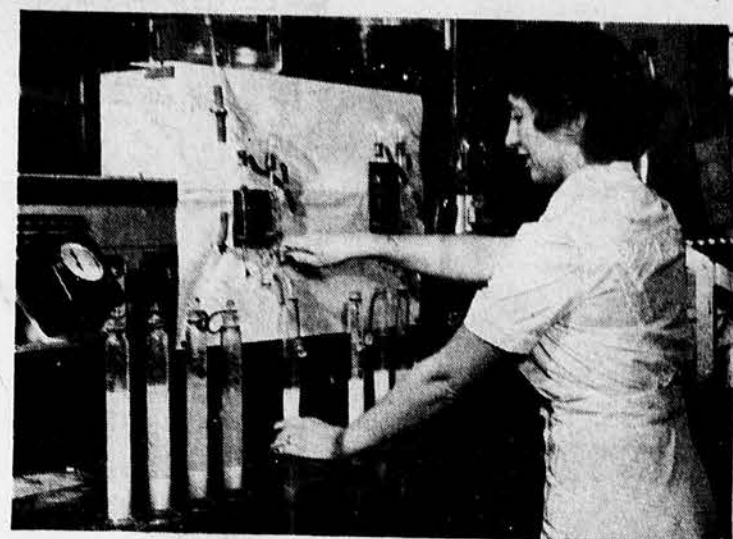
HOW would you like to sell wheat a new way? Sell it on its ability to make good bread, rather than on its weight in pounds per bushel? High-quality wheat is worth more. Let's sell it that way! Sometime in the future we may abandon the old standards of wheat grade, buying it on test weight. A new sedimentation test for wheat quality designed by the USDA looks like one step in that direction. In one operation this new test measures both quantity and quality of gluten in wheat from the standpoint of breadmaking. It is a simple test, comparatively inexpensive and quite rapid.

A wheat farmer has two main goals in view: Yield and price. Basically, a combination of the two determine his income, his livelihood. But the miller is concerned mainly with grade of wheat, as reflected by protein content and gluten quality. He can and does hedge on price for his protection against fluctuations of the grain market.

Those two separate platforms for farmers and millers actually leave little common meeting ground. The farmer gets his pay at the elevator largely on the basis of test weight. But the miller processing the wheat gets his pay from the baker who must have uniformity of protein content, both quantity and quality. The old standards of grade and test weight are entirely inadequate. There is a missing link between miller and farmer, bridged largely now by just a desire on the part of both to do the right thing.

For that reason the USDA was urged to develop a simple, practical test that could be used in routine inspection of wheat. This test would need to result in a more adequate classification of wheat in

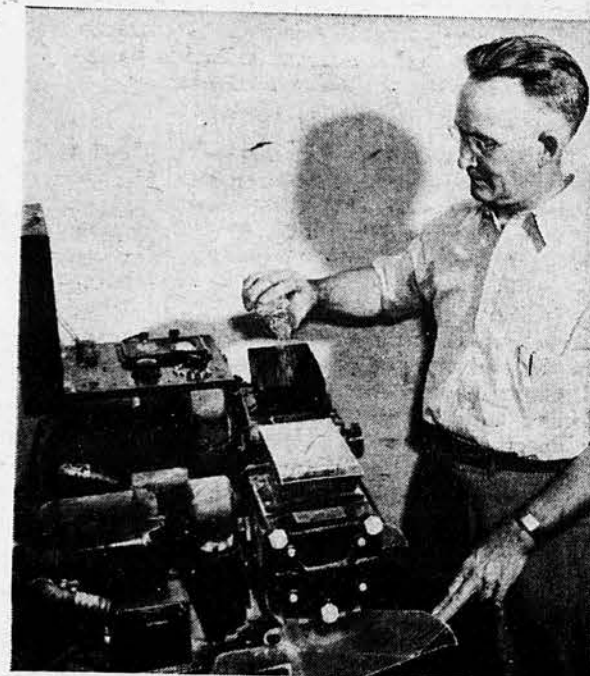
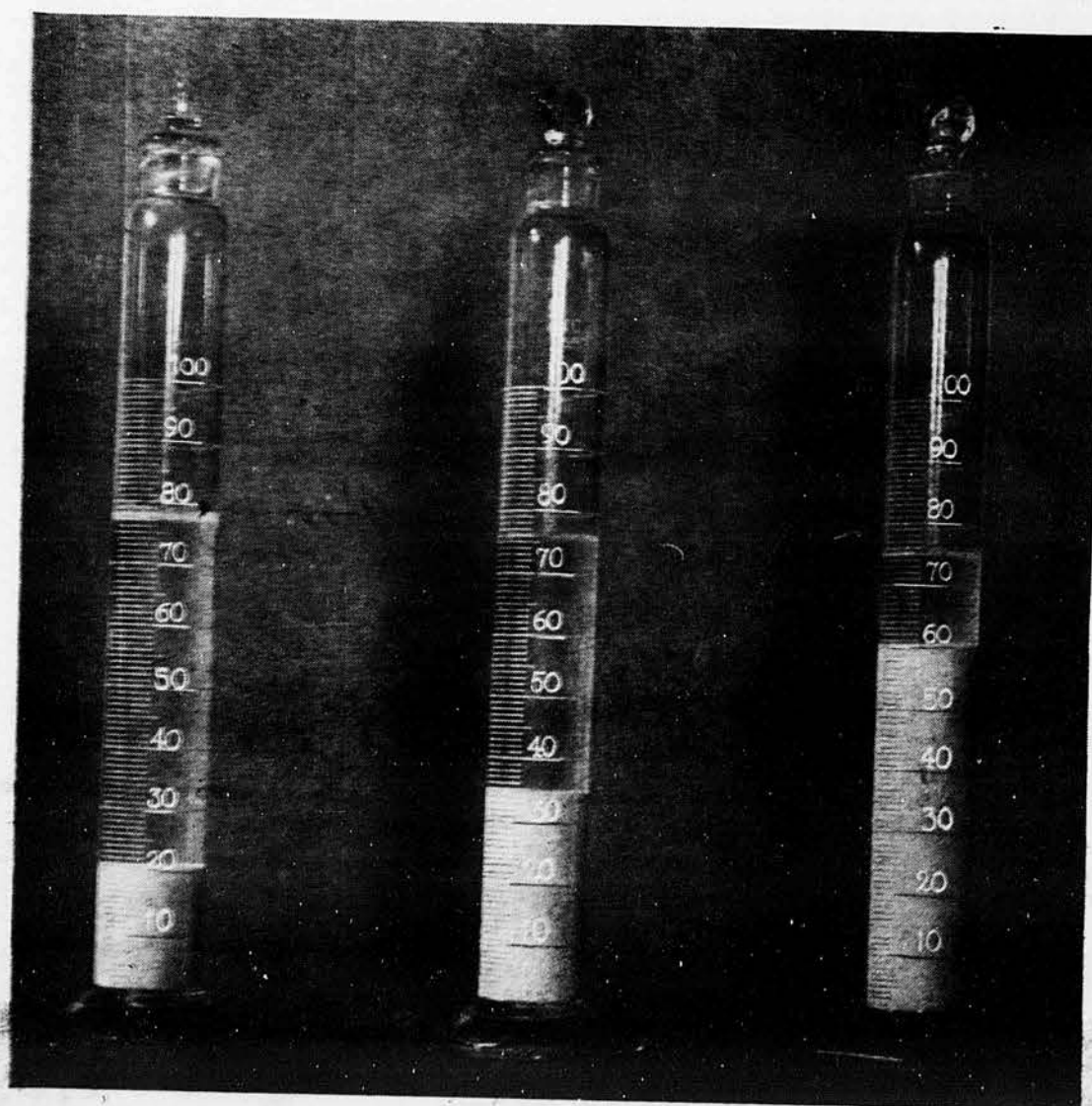
[Continued on Page 26]



LACTIC ACID STEP: Mrs. D. C. Berger, USDA worker, adds lactic acid to mixture of crude flour and water to determine baking qualities of wheat by sedimentation test.



FINAL STEP: Permitting mixture to settle exactly 5 minutes before making sedimentation reading is final important step in test. Dr. Lawrence Zeleny, left, leader of project, discusses with co-workers tests of 2 wheat samples that have been permitted to settle 5 minutes.



FIRST STEP: Grinding grain in moisture tester to produce crude but uniform flour. Preparing this sample is A. J. Pinckney, PMA Grain Branch, USDA. Moisture of grain is determined at same time it is being prepared for new sedimentation test.

TEST FOR QUALITY: Highest level of sediment in graduate at right indicates best bread-baking quality. Samples at left and center may have come from high-protein wheat, but gluten quality definitely is low. Millers and bakers have an interest in quality of gluten as well as protein level. (Photos by USDA.)

Farm Matters

AS I SEE THEM

I WAS much interested in 2 reports which reached my desk this week. The first was from the Bureau of Agricultural Economics, Department of Agriculture, discussing demand and price prospects for next year.

The second was from the Department of Defense, disclosing that the United States has committed \$22,305,779,000 to help Europe since World War II—this total not including cost of increased armaments and maintaining troops abroad under the North Atlantic Pact (treaty). This will run into billions of dollars and probably require as much as 10 divisions of combat troops.

Also, the foregoing figure does not include costs of operations in the Far East, which might become a sinkhole for United States aid of all kinds in the next few years.

In case you missed it in the news columns, here is the Defense Department's summary of major commitments (so far) up to next June 30; most of the total has been committed during the last 3 years:

1. Surplus property: In Europe alone, the United States has disposed of supplies that originally cost \$4,557,779,000 for \$906,225,000.

2. European Recovery (Marshall Plan): By last April, a total of \$5,900,000,000 in outright grants and credits; will be raised to an estimated total of \$10,000,000,000 by June 30, 1951.

3. Mutual defense funds: \$5,500,000,000 provided by June 30; Congress authorized \$1,000,000,000 for arms aid to Western Europe up to last July. It voted another \$1,000,000,000 in August, and added \$3,500,000,000 as a result of the Korean crisis.

4. Aid to Turkey, Greece and Iran: About \$1,750,000,000 have been provided so far; total will climb to \$2,250,000,000 by June 30.

The Department of Defense points out its figures represent only the major government source of aid, and do not include food and clothing sent thru CARE, Freedom Train, and other privately operated agencies.

In other words, United States taxpayers are being called upon now to spend as much annually to maintain governments in power in Europe, as they were required to raise for operating their own Federal Government 15 years ago.

Supporting overseas governments is becoming quite a task—at times a headache.

The 1951 outlook as foreseen by the BAE in its October report on the Demand and Price Situation starts out with these words:

"A very strong demand for most farm products is in prospect for 1951. Prices and incomes received by farmers are likely to be substantially higher than in the first half of 1950, as are prices and income in the Nation generally. But higher costs of production and of living, higher taxes and increasing difficulties in obtaining supplies and hired labor also are in prospect.

"In view of the price increases for agricultural commodities that already have occurred and the likelihood of larger agricultural production in 1951, cash receipts from farm marketings will probably be up at least 10 per cent next year. Farm operators' realized net income

may rise 15 per cent or more from 1950 (in 1951), but is not likely to regain the levels of either 1947 or 1948."

The 1951 outlook, as seen by BAE, is for increased domestic demand for foodstuffs, but a declining foreign outlet. And the increase in the domestic market, when you analyze it, depends to a great extent upon the continuation of the military preparedness program.

Also, there is every prospect that, due to increased labor and machinery and equipment costs, and ever higher taxes, the realized net income of farmers may go down instead of up. And as the inflationary effect of huge government spendings increase, added to probable shortage in many lines of goods, the dollars received will have increasingly less purchasing power until the bubble bursts.

I am very much suspicious of a "prosperity" based on government deficit spending, particularly for military purposes. It can be a hectic "prosperity" while it lasts, but the temptation to keep the boom going by further military expenditures and finally military operations, in the past has been too strong for governments in power to resist.

4-H Achievement Week

I ALWAYS am ready to say a good word for 4-H Club work. To my way of thinking it is one of the greatest forces for good ever developed in this country.

With November 4 to 12 being 4-H Achievement Week, I would like to comment briefly on just a few highlights of this great organization. First of all, 4-H Club work teaches loyalty to our country, a quality more important today than ever in shaping our destiny. It teaches self-reliance and the dignity of standing on one's own two feet. How proud parents can be of these 4-H'ers, all of whom develop the ability to make their own way in life. If this country is to survive in freedom, that quality of character must predominate. More people must be taught to depend on themselves, instead of on Government, for a living. Our 4-H Club members set a good example to follow.

We all can be grateful 4-H Club work is so widespread. Just to refresh your memory, there are 4-H Clubs in almost all counties of every state in the United States, in Alaska, Hawaii and Puerto Rico. Age of members runs from 10 to 21 years. Counting noses, there are about 2 million members right now working in 84,000 clubs under guidance of their 250,000 local volunteer club leaders.

Now, National 4-H Achievement Week is being held to report and study their accomplishments. You will hear and read a good deal about what they have done. Many papers and radio stations will feature results of their work. Exhibits of typical work will be set up in local business houses. Many programs will have talks about 4-H Club work.

It is amazing what 4-H'ers have accomplished

thruout the Nation. They have had this year 100,000 acres in gardens, raised 9 million head of poultry and a million head of livestock. They have produced food crops on 900,000 acres, canned 16 million quarts of foods and frozen 3 million

pounds. They have planned and prepared 20 million meals, improved 650,000 rooms, made 2,200,000 garments. Some 310,000 kept personal accounts, 510,000 participated in fire and accident prevention, 360,000 conducted soil and wildlife conservation practices, 150,000 carried on forestry activities and 50,000 engaged in work relating to agricultural engineering, electricity, tractor maintenance and general farm repairs.

More than 700,000 carried on special health activities, 300,000 had periodic health examinations, 240,000 trained in home nursing and first aid. Thousands checked and improved their food and health habits. Thousands more removed farm and home accident hazards. Some 50,000 served as junior 4-H project leaders, 235,000 conducted recreational leadership activities, 45,000 engaged in community activities, such as improving public grounds, conducting local fairs, and helping those in distress; 415,000 demonstrated improved farm and home practices to their neighbors and other interested people of their communities.

I am glad to say Kansas is one of the leading 4-H Club states. It always has been a source of great pride to me to meet our 4-H'ers in Washington during the national encampment or in Chicago during the International Livestock Show, or anywhere else, because they are such outstanding ladies and gentlemen. I hope more and more farm boys and girls in Kansas will join the clubs. You have everything to gain and nothing to lose. You will find it a wonderful, wholesome experience. And I want to tell you again that I personally and thru Kansas Farmer magazine will do all I can to further the work of 4-H Clubs.

Results of 1950 club work in Kansas are not ready now, of course. But J. Harold Johnson, State Club Leader, tells me 4-H Club membership has reached 29,000 in Kansas, which is highest on record, and that general interest, as expressed in 4-H shows, camps, various meetings and rallies, also exceeds previous all-time highs. This year at Rock Springs Ranch, the state 4-H leadership training center, nearly 4,500 people were accommodated in camping programs. Sixty-one counties used the facilities for their county camps and, in addition, delegates attended the various state-wide camps from virtually every county in the state.

I have given here only a brief picture of what 4-H Club work is and does and means to our state and our Nation. But it is enough to stir our thinking during National 4-H Club Achievement Week regarding how we can help advance such a worthy organization. Let's all boost 4-H Club work.

Arthur Capper

Topeka.

You'll Know More After November 7

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

AN "AUSTERITY PROGRAM" for American people is in prospect for 1951, so well established and enforced that people will have become accustomed to it by 1952.

That is what Washington is anticipating today. But officially Washington knows nothing of such a bleak prospect—until after the November 7 elections.

Of all the Washington information services and business "tip-sheets" sent out to business clients, perhaps the plainest and most forthright language

is used by (Roger) Babson's Washington Forecast of last week, which puts it this way:

"We predict a fairly rapid transition from a largely civilian to a military economy after election day, November 7."

High U. S. military authorities believe Russia has in preparation—date

of delivery uncertain—a sort of "multiple-Pearl Harbor" attack on the United States. They hold the United States should be prepared for this eventuality, and be prepared fast.

That is the military angle, and more and more Washington officialdom is thinking in military terms, and accepting military leadership.

From the political angle it is figured,

having reached the decision all-out preparation is necessary by 1952, President Truman is not going to wait until 1952—when he will be running for reelection—to crack down to the extent the huge military preparedness program will demand.

On the other hand, neither would he feel it politically expedient, unless actually necessary, to break the bad news just preceding the 1950 elections, with control of the 82nd Congress hanging in the balance.

Full extent of the military program (Continued on Page 28)

In Just
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 more
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has been ordered than during
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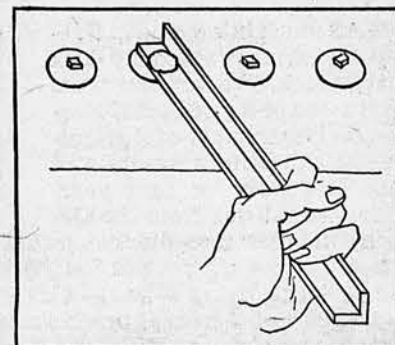
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No stronger testimonial could be written for PIONEER. No stronger recommendation could be made for YOU to plant PIONEER—next year. See your local PIONEER Salesman TODAY and let him help you select the PIONEER Varieties best adapted to your farm.

In '51 plant the No. 1 Hybrid—

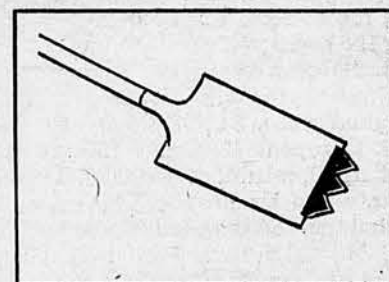
Handy Ideas

To Remove Bolt Stud



If you have ever faced the necessity of removing the remainder of a bolt after part of it was twisted off in an attempt to unscrew it, you will welcome this idea. Bore a hole same size as bolt stud in a length of angle iron. Hold hole directly over bolt and fill to overflowing with an electric welder, being sure the weld to the bolt is good, then unscrew bolt with the angle iron, which provides leverage.—A. B. C.

Simplifies Hard Job



A simple gadget for cutting hard-packed hay can be made from an old spade and 2 or 3 new sickle sections riveted to the lower edge of the spade. Sharpen remaining edges of the spade and presto, it cuts down easily into hay each time you step on it.—S. A. F.

Soap Nails First

When driving nails or screws into hard wood, always rub nails with soap. They will go in easily without splitting the wood.—Mrs. L. W. Todd.

Use Perforated Paddle

When stirring a can of paint, bore several holes in paddle. As lumps of pigment are forced thru these holes they will be broken up. Paint will become smooth sooner and mixing job will take less effort.—K. E. A.

Place for Small Parts

When taking something apart for repair that contains small screws or other parts, place parts on ridged side of a piece of corrugated paper. The ridges will keep the parts from rolling and becoming lost, and also enable you to keep the parts in proper order for reassembling.—K. E. A.

Always in Sight

I have found it handy and useful to paste a list of first-aid treatments inside my medicine cabinet. In case of emergency, one can turn to the cabinet where both the necessary information and supplies for administering are at hand.—N. N. S.

Protects Screens

I keep window screens new-looking, rustless and dustless for next season's use by covering with paper nailed down on both sides, before storing screens away.—Margery Burosh.

Crib Sheet Case

I have found it is easy to keep baby's crib sheet in place by making them like pillow cases. After the sheet is on, it will remain tight over mattress. When a clean sheet is needed in a hurry, the mattress may be turned upside down, using the other side of the sheet.—Mrs. A. Y.

Warm Polish

Before applying furniture polish, I set the bottle in a pan of hot water to warm it. This results in a better job of polishing.—M. O.

How Farm Homes Have Changed!

Big idea now is to plan for use rather
than show. Properly built, your house
can remain perpetually up-to-date

By MURLIN R. HODGELL, Extension Architect, Kansas State College



A typical square 4-room farmhouse.

ABOUT the turn of the century, so the story goes, a young man in the U. S. Patent Office quit his job because it had no future. There was nothing left to be invented.

If that man, assuming he still holds to his old convictions, were to visit an up-to-date Kansas farmstead today, what a shock he would get! Glistening metal machine sheds, symbolic of this age of rural mechanization, have replaced yesterday's big red horse barn. The old windmill, long a country landmark, may have given way to an inconspicuous automatic water pumping system. Closer inspection will show a garage, possibly even an aircraft hanger, as buildings of major importance on the 1950 farmstead.

Two developments—mechanization and electrification—have revolutionized farming and rural living during our lifetime. Despite our friend in the Patent Office, more inventions to help farming and home living have appeared in the last 50 years than were developed in the preceding 500 years. And rate of development of many new

inventions is still gaining momentum.

In many cases the house has changed more than any other structure. Not so many years ago the farmhouse, showing no tangible profits, was likely to be the least developed structure on the farm. Families of 8 to 10 children often were raised in 2- or 4-room houses which were completely inadequate even by the health standards of their own day. Yet, since the entire community lived under comparable circumstances, most families accepted such privations as their lot and were reasonably content.

When Kansas emerged from the homestead period and sod or log huts were replaced by more permanent homes, houses usually were built in square, rectangular or "T" shapes because of ease of construction. From the beginning the farmer-builder attempted to meet the needs of his family with the best methods he knew. High ceilings were an attempt to insulate against summer heat. Division of the house into small cubicles or rooms was

(Continued on Page 9)



T-house in Kansas usually began as a 1- or 2-story rectangular structure. Later, as family increased in size, additional wing was built.



The 2-story square house was popular for both city and rural homes. Most of these were well-built but are difficult to remodel.

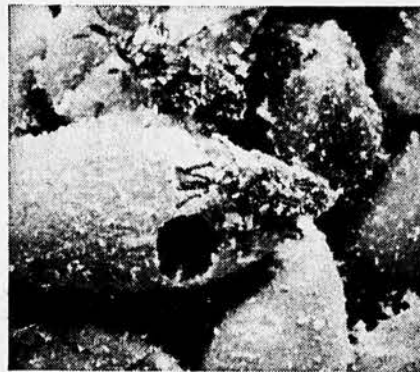
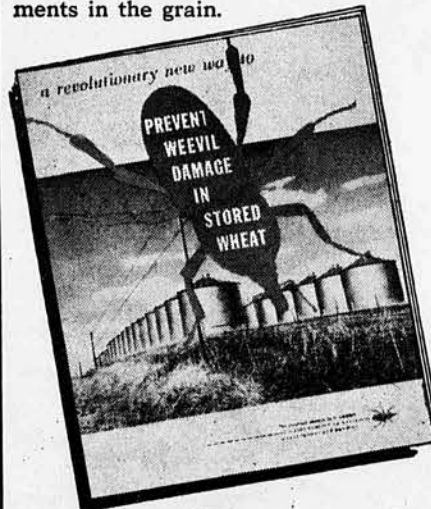
Weevily Wheat a \$200,000,000 problem

At Kansas City, 2,280,600 bushels of the 1944 wheat crop were graded weevily; four years later, the figure had jumped to 6,645,000 bushels. At Hutchinson, Wellington, Great Bend, Dodge City and Atchison, the amounts of weevily wheat had increased four to five times during the same period.

The loss to the farmer and country grain handler due to market dockage on weevily wheat often runs as high as 25 cents a bushel on two-dollar wheat. Add to this the actual shrinkage—the 14 per cent loss you can suffer in one season's storage—and you see why it's not uncommon for weevils to "eat up" as much as 45 cents per bushel.

The best estimate for the 1950 winter wheat crop as a whole shows a staggering money loss of more than \$200,000,000.

THE URGENT NEED for a practical means of **PROTECTION** has been stressed by agricultural leaders throughout the wheat belt. Killing weevils after they appear is not the answer. Weevils mature inside the wheat berry. By the time they come out where you see them, much of the damage has been done. And you still have the problem of down-grading due to insect fragments in the grain.



Close up of weevils doing their worst on heavily infested wheat.

A PRACTICAL MEANS OF PREVENTION has recently been announced which promises to wipe out much, if not most, of this costly insect damage to stored wheat. It is **PYRENONE** Wheat Protectant. Not a fumigant, this protectant represents an entirely new approach to insect control in stored wheat.

PYRENONE Wheat Protectant is highly effective against the multitude of weevil and bran-bug types of insects that attack wheat. It is a fine, uniform powder (using wheat itself as the carrier) which can be mixed directly into the wheat as it goes into storage, or during turning. It presents no health hazards to men or animals, no processing difficulties in milling.

The new Protectant has been extensively tested and demonstrated over the past two years in Kansas, Oklahoma, Montana and Oregon. Well over 100,000 bushels of wheat have been tested or are now under demonstration.

WANT MORE DETAILS? Drop us a card asking for your copy of "Prevent Weevil Damage in Stored Wheat". You owe it to yourself to know the full story of this new and important development.

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AND MORE THAN
 $\frac{1}{3}$ **CHEAPER**
THAN GRAIN

See how Purina Mike is whipping Ike at your Purina Dealer's. Check Mike's cost of gain and compare it with costs in your own feed lot.

Mike's on the New Purina Hog Program that produces 200-225 lb. hogs in 5½ months at the Purina Farm. The New Purina Hog Program produces 100 lbs. of pork on 5 bu. of grain and 45 lbs. of Hog Chow.



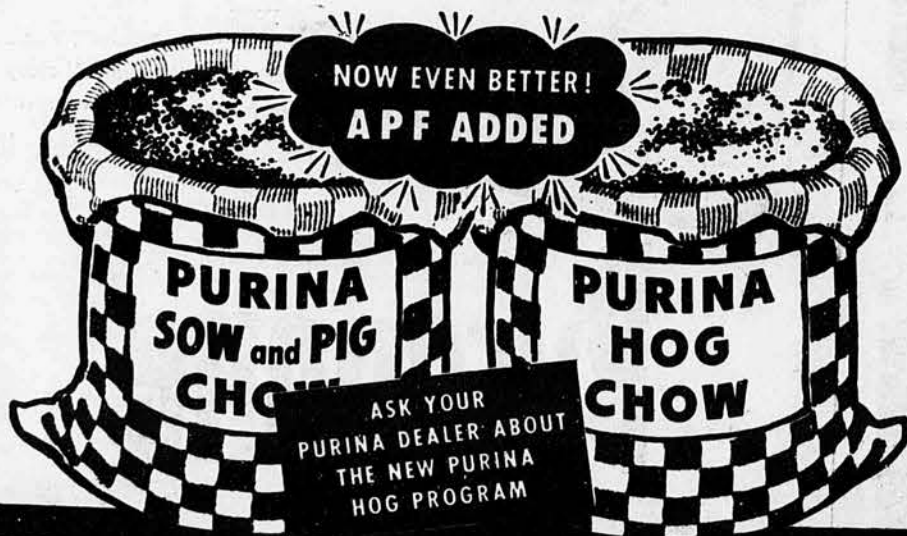
Mike and Ike in a growing race in Purina Stores. Mike is on the New Purina Hog Program. Ike gets no Purina. They started even—but see them now. See the big difference Purina makes!

SEE PURINA MIKE OUTGROW—OUTGAIN IKE AT THESE PURINA STORES

KANSAS

ABILENE, Gorden Mark Elevator Co.
 ADMIRE, Felkner's Hatchery & Feed Store
 ANDALE, Andale Farmers Coop. Co.
 ANDOVER, L. S. Dock
 ANTHONY, Thurman Hatchery
 ARKANSAS CITY, Arbuckle's Hatchery
 ATCHISON, Berry Bros. Hatchery
 ATTICA, Imperial Flour Mills Co.
 ASHLAND, Wallingford Elevator Co.
 AUGUSTA, Furlong Hatchery & Feed
 BALDWIN CITY, Hardy Farm Supply
 BAXTER SPRINGS, Gaines Feed Store
 BELLEVILLE, Hall Mill & Elevator
 BELOIT, Jones Feed & Seed Co.
 BONNER SPRINGS, Coleman Coal & Feed Co.
 BURDICK, Burdick Grain & Food Market
 BURLINGTON, Solsby's Feed & Seed Store
 BURTON, Hensley Oil & Feeds
 CARBONDALE, Surber Grain Co.
 CEDARVALE, L. C. Adam Merc. Co.
 CHANUTE, Farm Service Store
 CHANUTE, Floyd R. Potter
 CHENEY, Ball Produce & Hatchery
 CHERRYVALE, Cherryvale Grain Co.
 CLAY CENTER, Gorden Mark Elev.
 CLEARWATER, Hugh R. Wilk
 CLYDE, Derusseau's Hatchery
 COFFEYVILLE, C. C. Feeders Supply
 CONWAY SPRINGS, Farmers Union Coop. Assn.
 COTTONWOOD FALLS, Schoep Poultry
 COUNCIL GROVE, Hammer Coal & Grain Co.
 DODGE CITY, Casterline Grain & Seed, Inc.
 DWIGHT, Dwight Feed Co.
 EDGERTON, Edgerton Elev.
 EDNA, Edna Produce
 EL DORADO, The Home Grain Co., Inc.
 ELKHART, Elkhart Coop. Equity Exchange
 ELLIS, The Wheatland Elev.
 EMPORIA, The Kansas Soya Products Co., Inc.
 ESBON, Esbon Feed & Seed Co.
 ESKRIDGE, Converse Farm Service Co.
 EUREKA, C. T. Agrelius Feed Co.
 FLORENCE, Florence Hatchery
 FONTANA, Barnes Feed & Seed Store
 FT. SCOTT, Chas. Leist Feed & Seed Co.
 FT. SCOTT, National Coal, Ice & Fuel Co.
 FRANKFORT, Kenro Hatchery
 FREDONIA, Cox Produce and Grain Co.

GARDEN CITY, Western Terminal Elev. Co.
 GARDNER, Gardner Grain Co.
 GARNETT, A. H. Fowkes & Sons
 GAS, Goodsley Hatchery
 GIRARD, Potter's Hatchery
 GREAT BEND, Barton County Hatchery
 GREELEY, Rommelfanger Produce
 GREENSBURG, Security Elevator Co.
 HARPER, The Imperial Flour Mills Co.
 HARVEYVILLE, Harveyville Grange Coop.
 HAYS, Engel Electric Hatchery
 HERINGTON, White Grain Co.
 HIAWATHA, Wolf Feed & Grain Co.
 HIGHLAND, The Derrick-Hischke Farm Supply
 HILLSDALE, Hillside Elevator Co.
 HOLT, Farmers Union Coop. Assn.
 HOPE, The Farmers Coop. Elev. & Sup. Co.
 HORTON, Zweimiller Feed Co.
 HUGOTON, Security Elevator Co.
 HUMBOLDT, Dale's Feed Store
 HUTCHINSON, Berry's Hatchery & Feed Store
 HUTCHINSON, Orth's Feed & Seed Co.
 HUTCHINSON, Salt City Hatchery
 HUTCHINSON, Security Elevator Co.
 INDEPENDENCE, Star Mill Co., Inc.
 IOLA, Art's Feed Store
 IONIA, Ionia Produce
 JUNCTION CITY, Hart Bartlett Sturtevant
 KANSAS CITY, Crawford Hatcheries
 KANSAS CITY, Dyer & Co.
 KANSAS CITY, Kelley Feed Store
 KANSAS CITY, Frank Wells Feed Store
 KENSINGTON, Levin Bros.
 KINGMAN, Goerner Hatchery
 KIOWA, Curran Hatchery
 LA CYGNE, Farmers Produce
 LANE, Gerths Breeder Hatchery
 LAWRENCE, Douglas County Hatchery
 LAWRENCE, Milton Schaeke
 LEAVENWORTH, Hibbs Farm Service
 LIBERAL, Security Elev. Co.
 LOGAN, The Logan Grain Co.
 LONE ELM, Moore's Feed Store
 LOUISBURG, Owens Feed & Produce
 LYONS, W. S. Dayton Hatchery
 MACKSVILLE, Kansas Milling Co.
 MAIZE, Maize Mills, Inc.
 MANHATTAN, Johnmeyer Feed & Seed
 MARION, Seymour Packing Co.
 MARYSVILLE, Mak's Marysville Hatchery



How Farm Homes Changed

(Continued from Page 7)

necessary since the heating capacity of a pot-bellied stove filled with kindling or corn cobs was limited. As often as not, only the kitchen could be used in severe weather since the kitchen range alone could counteract cold winds whistling around windows and seeping thru walls. If the existing house proved inadequate, more rooms were added until in extreme cases the original structure was completely enclosed. Too often the new addition, by

destroying the value of the room it covered, failed to really increase the living space. Since relatively few tools were known for either home or farm labor, big families meant plenty of farm hands and big houses were a sign of prosperous farms.

Automobiles, better roads, radios and rural telephones have rapidly improved opportunities for travel and better education in recent years. Elec-

(Continued on Page 27)

AT THE STORE WITH THE CHECKERBOARD SIGN

McPHERSON, Community Produce
MERRIAM, Merriam Feed Store
MICHIGAN VALLEY, Bulmer Grain Co.
MINNEAPOLIS, Golden Rule Hatchery
MORAN, Louie Benbrook Produce
MORGANVILLE, Gordon Mark Elevator
MOUND CITY, Ward Produce
MOUNDRIE, Moundridge Coop. Elev. Assn.
MT. HOPE, Independence Produce
MULVANE, Moore Grain Co.
NEODESHA, Schacklett Produce
NEWTON, Berry's Feed & Supply Store
NICKERSON, Farmers Coop. Elevator Co.
NORTON, N. L. Johnson Grain Co.
NORWICH, Goenner Hatchery
OLATHE, Farmers Union
OSAGE CITY, Steinhoff & Son
OSAWATOMIE, Osawatome Feed & Prod. Co.
OSKALOOSA, Oskaloosa Feed Store
OSWEGO, Karns Grain Products Co.
OTTAWA, Ottawa Produce Co.
OVERLAND PARK, Jennings Feed & Coal
PAOLA, Washburn Hatchery
PARSONS, Lloyd Feed & Farm Supply
PEABODY, Peabody Coop. Equity Exchange
PENALOSA, Kansas Milling Co.
PERRY, Heck & Seyler
PIQUA, Niemann's Store
PITTSBURG, The Potter Hatcheries
PLEASANTON, Pleasanton Mill & Elev. Co.
PRATT, Pratt Equity Exchange
RICHMOND, Farmers Home Coop. Merc. Soc.
SABETHA, Farmers Coop. Assn.
ST. MARYS, Farmers Union Coop. Business
SALINA, McMinn & Tanner Feed & Prod.
SEDAN, Sedan Seed House
SEDGWICK, J. O. Coombs & Son
SEDGWICK, Sedgwick Alfalfa Mills
SPRING HILL, Zweimiller Feed & Prod.
STAFFORD, Stafford Hatchery
STANLEY, Boyd & Maelzer
STERLING, Sterling Feed & Seed
STILWELL, Stilwell Feed & Coal
STOCKTON, Bouchey Grain Co.
TOPEKA, Emery Shimer Feeds & Seeds
TOPEKA, J. R. Shimer
TRIBUNE, South Side Service
TROY, Winzer Hdwe. Co.
TURON, Turon Hatchery
VALLEY CENTER, Valley Center Farmers Elevator Co.
VALLEY FALLS, Reichart Elevator Co.
VIRGIL, Virgil Feed & Coal
WAKEENEY, The Wheatland Elev.
WATERVILLE, Wagon Produce Co.
WATHENA, Wathena Hatchery
WATHENA, Wm. Weber
WAYNE, J. R. Baxter Produce
WELLINGTON, C. E. Newell Feed Store
WELLSVILLE, Averill Produce
WHITE CITY, White City Grain Co.
WHITEWATER, Whitewater Hatchery
WICHITA, C. Ball Feed Co.
WICHITA, Berry's Hatchery & Feed Store
WICHITA, Kellogg Brothers Feed & Seed
WICHITA, Maxwell Feed & Hatchery
WILLIAMSBURG, Williamsburg Produce
WILSEY, F. S. Riegel
WINFIELD, Wallace Feed Store
YATES CENTER, Yates Center Elev. Co.
ZENDA, The Goenner Hatchery



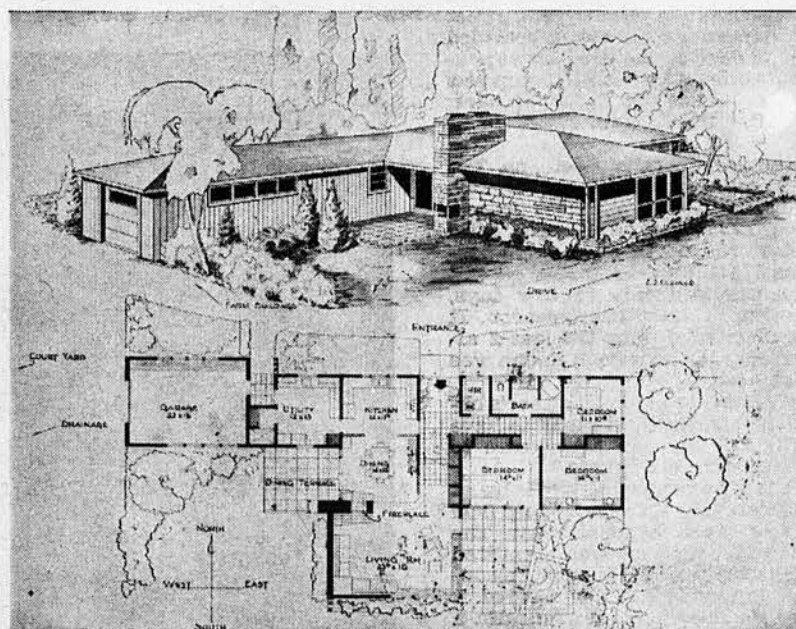
Story-and-a-half bungalow, forerunner of today's ranch-type house, became a favorite as family comforts gained emphasis.



Today's 1-story homes emphasize larger window areas, convenient work areas and a large amount of convenient storage space. This is a home in Barber county.



A home in Finney county.



In this illustration no traffic between areas interferes with living or work areas. Rather than putting part of house in basement, all areas are conveniently above ground. Work areas are on front of house where housewife has a view of drive and farm court. Living areas, despite their increase in window size, retain complete privacy.

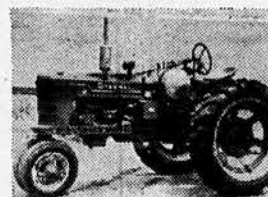
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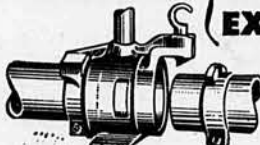
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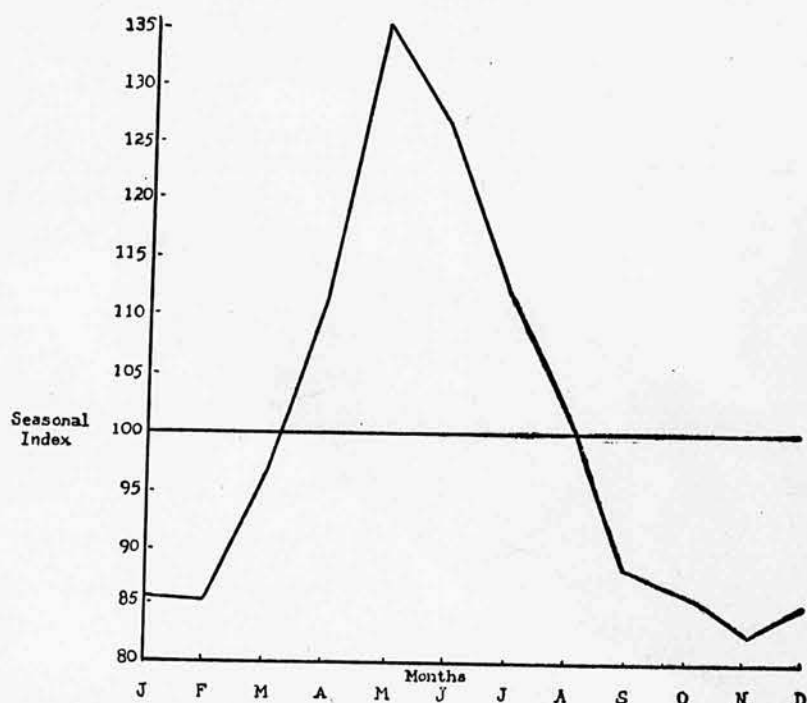
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Milk Cows Increase Your Acre Income

By ED RUPP



HOW WE PRODUCE: Kansas milk production is even more extreme than the price curve, and naturally is directly opposed to the price. Maximum production is reached during April, May and June when everyone else has milk to sell.

CAN we turn to the milk cow to increase our income? Can we expect the milk cow to make profitable use of land taken out of grain production? Maybe. But is there a market for more milk? That must be the first consideration of anyone who considers becoming a dairyman.

If you have a market, milk production, particularly grade-A milk production, can increase your income. It can increase net returns from each acre used.

First, let's take a quick look at the over-all milk picture. Nationally, Kansas ranks 13th or 14th year after year as a state in milk production. In 1948 Kansas produced 1,348 pounds of milk per person. The national average was 770 pounds.

At the same time about 45 per cent of the milk produced nationally sold as fluid milk. About 40 per cent of Kansas-produced milk went into the bottle, 60 per cent for other uses. There was little change in the consumption of fluid milk and cream last year. Most of the increase noted was in manufactured products.

It appears doubtful at present that an increase in dairy numbers aimed at more cream production would be profitable. What about fluid milk, grade-A? There are excellent possibilities for high acre returns in grade-A dairying. But before you start building a new milk parlor make certain you will have a market for your product. Some milk companies already are plagued with surpluses, especially during spring.

Make It Major Project

If you find a market and decide to produce fluid milk make it a major project on your farm. Dairying each year is becoming more of a specialty. The 3- and 4-cow dairy has little business in the fluid-milk field.

Cows with ability to produce milk efficiently, of course, are important. But probably of greater importance even is providing the right food for the cow. And that leads straight to the pasture.

Bertholf dairy, near Wichita, has some excellent figures to show what can be done in getting high acre returns from milk. This dairy sells bottled milk. Year-round production is a necessity. To provide that even flow of milk they have cows freshening every season and attempt to provide pasture thruout the year. They do it with temporary pasture, largely with a rotation of sweet clover, brome and alfalfa, rye and Sudan.

From actual DHIA records and keeping accurate account of cows on pasture, Bill Bertholf came up with some astounding figures. From April 1 to December, Bertholf dairy got 138 cow days per acre from balbo rye. That was from spring and fall grazing. Counting

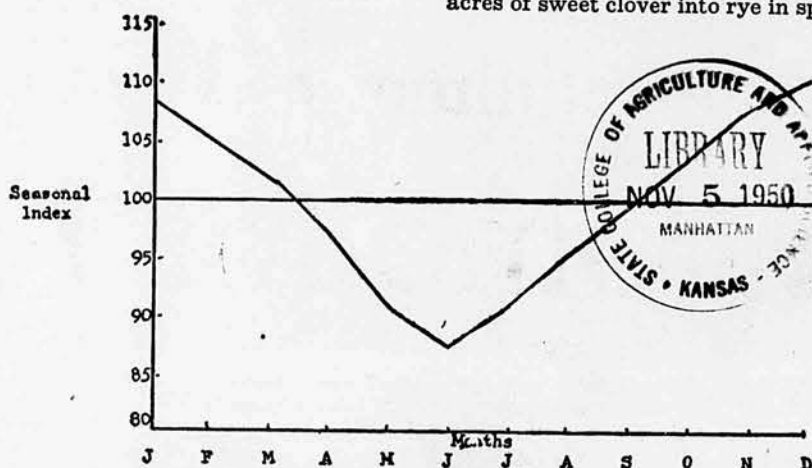
for his 24-cow herd of Holsteins. His farm totals 204 acres but most pasture is grown on the home 80. Silage and grain row crops, alfalfa, wheat and oats are produced on the remaining 124 acres.

With his present program he has nearly 12 months of pasture a year when the winter is open. Grazing wheat with producing dairy cattle last winter filled the cold-season gap.

One side of the 80-acre pasture reserve accounts for about 52½ acres. It is divided into 5 fields with electric fencing that is easy to move. Last spring the fields looked like this: 15 acres of brome and alfalfa, 7½ acres of fallow ground that would be seeded to early Sudan, 7½ acres in rye to be seeded into late Sudan, 7½ acres of rye and vetch in combination and 15 acres of straight rye.

The remaining 27 acres were in native grass. But 11 acres of that had been turned over. Eventually it, too, will be used for more temporary pasture. The native strip will provide wet-weather grazing but will serve mainly as an entrance lane to the temporary pasture.

Merle Foiles, Cowley county, has 18 cows in milk on his 104-acre farm, and that does not count heifers. His soil is extremely sandy. He says he has no room for native grass. His 104 acres are all in sweet clover and brome and alfalfa. Then he uses enough rye to get back into sweet clover. He seeded 18 acres of sweet clover into rye in spring



WHICH MARKET? This Kansas milk-price curve shows a deflated market during April, May, June and July. Gearing production to meet the high-price cycle from September to March would seem advisable.

both seed and milk production from the rye it returned \$127.28 an acre.

Brome and alfalfa as spring and fall pasture accounted for 145 cow days per acre and brought a milk return of \$81.20 an acre. No seed was taken from the brome.

Sweet clover was not far behind. First-year clover, pastured only in fall, provided 49 cow days during October and November. The return in milk was \$27.44 an acre. As second-year sweet clover for spring pasture it provided another 78 days of pasture. It was pastured out completely. No seed crop was taken. The return was \$43.60 an acre. That brought the total for sweet clover up to \$71.04 an acre.

Alfalfa made excellent returns. The first 2 crops were taken off for hay. Third and fourth cuttings were grazed, providing 135 cow days per acre. Total acre return for alfalfa as hay and pasture was \$75.60 an acre.

Sudan provided only 52 cow days, but it came in for a short season. It was supplemented with the last 2 alfalfa cuttings. Return from Sudan was \$29.10 an acre.

These results are from one year's observations. Mr. Bertholf plans to have his study run several more years to lend accuracy to his figures.

There is always grazing available at Bertholf dairy. Last fall a 28-acre field of rye was saved for winter use. The 40-cow producing herd was permitted to get a daily fill on the rye just to supplement winter feed. They figured it saved as much as 7 bales of alfalfa a day.

Dairymen have little use for native grass. Carrying capacity is too small. Harold McDaniel, Sedgwick county, plowed up about 11 acres of flat native sod this year to provide more pasture

main pasture crop is alfalfa. It provides hay, too. Just about everything for his dairy herd except ensilage. Mr. Hardy has been pasturing straight alfalfa 20 years. And that is about all he uses, except perhaps some wild grasses in spring and oats seeded into thinning alfalfa.

Mr. Hardy has used some brome. He thinks it is fine for the man who is afraid to pasture straight alfalfa. We have seen alfalfa pastured before but never with such abandon.

Now, about the marketing situation, there is some possibility of more Kansas-produced milk being sold in Kansas.

Buy Out-of-State Milk!

One way more grade-A milk could be sold in Kansas is to supply Kansas markets with home-produced milk, instead of forcing them to go out of the state for milk during low fall and winter seasons. Kansas is a surplus-milk state. We have better-than-average soil. Eight months and more of pasture out of 12 are entirely possible. Still, Great Lakes states with only 4 months of pasture a year can afford to sell milk in Kansas.

Harry Dodge, state dairy commissioner, has tried locating out-of-state markets to help alleviate our flush season. He showed us the results of replies from 14 states in the South and West. Five indicated seasonal needs for milk. There we are. Right back to fall and winter lows. You could put a question mark following the replies of about 7 other states. Some had surpluses of their own. (And chances are that Minnesota and Wisconsin milk is finding its way into the markets of those states.)

But in fall and winter Kansas has little if any milk to spare. That's the time of year when out-of-state milk flows into Kansas channels. All of which indicates more attention should be given to fall freshening. That applies to existing dairymen and the new dairyman wanting to get into the picture to make those open acres produce.

What about fall freshening? Some claim it costs more to produce milk in fall. Maybe it does, but that statement would need classification. The only kind of cows we have ever seen must eat every season of the year whether fall or spring freshening. The fact is this: Fall freshening means more milk from the same cow. A test run in New York state on thousands of DHIA cows over a period of years always shows an advantage for cows freshening in October or November, with a gradual decrease in total until a low is reached in April and May. The difference in pounds of milk produced usually ranges from 800 to 1,200 pounds each year per cow in favor of fall-over spring-freshening.

But it is not a simple matter to change over from spring to fall. From the standpoint of the dairyman, it is a matter of habit. Even the incentive of a pay differential based on fall production has not effected a large change.

There are other difficulties, too. It is not a simple matter to change spring-freshening cows over to fall. Speed them up too much and you may injure the cow. Give them a longer dry period than normal and production is lost. Probably the easiest way is to move

(Continued on Page 12)



AID TO ROTATION: Temporary fences, like the one shown here by Brian McDaniel, Sedgwick county, make temporary pastures more efficient. Rye pasture across the fence was being grazed heavily during March. Brian, 12, is the son of Harold McDaniel. Brian can tell you with accuracy about their pasture plan, how the cows are producing.



How low cost retailing Produces More Income for Farmers

SAFEWAY'S FUNCTION in food distribution is *retailing* . . . the retail store selling of food at low cost.

Our kind of retailing works to keep *down* handling costs and to keep *up* the volume of farm product sales.

During recent years we've been remodeling and modernizing our stores to make possible even more convenient *self-service* food shopping.

Our modernized stores sell more food per store and per employee. Thus they can operate for fewer pennies out of each food dollar spent in them.

We are selling a much larger volume of food which, together with increased efficiency, has enabled us to reduce costs percentage-wise . . . in spite of the tremendous dollar increases in labor and other costs compared with 10 years ago.

For all retailing services, Safeway now requires less than 14¢ out of each food dollar spent by customers in Safeway stores.

This 14¢ covers all our costs of doing a retail business (wages, rents, taxes, advertising, etc.) plus a profit.

Safeway's profit in 1949 was 1½¢ per dollar of food sales at Safeway stores.

Do not confuse this 14¢ Safeway cost for retailing with the total cost of ALL distribution services.

Such total cost is sometimes estimated to average 50¢ per dollar of food sales (with the remaining 50¢ going to farmers).

For example: Farm products need transportation to market by railroads and trucking companies. They also need, in varying degrees, such services as cleaning, grading, processing, packaging and wholesaling.

All such distribution services, of course, are rendered *before* farm products reach the retailer.

By working efficiently in the field of food retailing, Safeway is able to return to farmers a larger share of each dollar of Safeway sales—and also a larger total number of dollars. Thus we do our part to produce more money income for farmers.

. . .

The Safeway idea of selling more food per store and per employee isn't ours alone. We are in free competition with many stores working toward the same end.

It seems to us that is good for everybody—for farmer, customer and store man alike. We invite you to test our ideas of how a store should be run by doing your food shopping at Safeway, where almost one-fifth of all customers are farm families.



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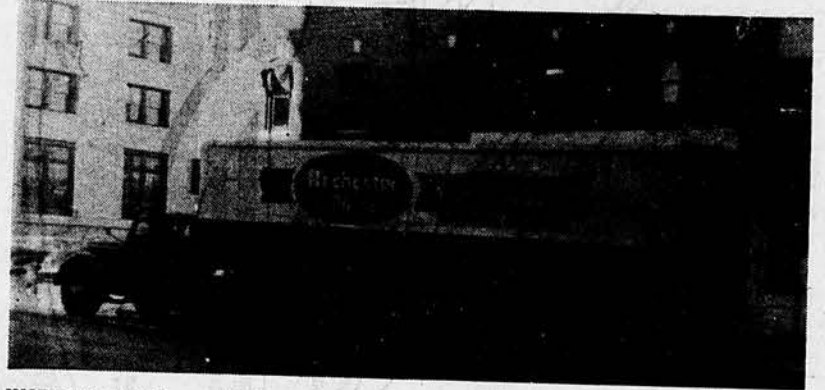
(Continued from Page 10)

just a portion of the herd and begin by starting a few heifers on fall-freshening status.

Mr. McDaniel started with spring-freshening cows. But he is moving around to fall- and winter-freshening by breeding heifers to drop calves at that time of year. Both Mr. Hardy and Mr. Foiles, who are neighbors, keep cows freshening around the calendar. Mr. Foiles has been selling bottled milk, needed an even supply. Mr. Hardy sells on the Wichita market. His final return is based on production thru fall months.

Even then, Don Ingle, Sedgwick county agent, warns that cows freshening in fall need good pasture to keep them in high production. Once they go down in production after calving it is difficult to bring them back.

So, there it is. Kansas is producing more milk than it needs during flush seasons. Not enough grade-A during fall and winter for its own needs. Swinging over to fall freshening can help solve both those problems. But it will require better pasture management to make it work.



JUST VISITING? Long-distance shipment of fresh, fluid milk has passed its peak, says the USDA. But it is still going on. This Minnesota milk truck was observed one morning not too long ago right in Topeka.

Wheat Schools In November

NINE wheat variety identification schools are scheduled to be held in Kansas in November, beginning at Hutchinson, November 6. Other district schools will be held at Hays, November 7; Pratt, November 8; Abilene, November 9; Topeka, November 10; Scott City, November 13; Liberal, November 14; Dodge City, November 15, and Colby, November 16.

Purpose of the schools is to teach terminal and country grain buyers, County Agents, Vocational Agriculture and veteran instructors, seed growers and wheat producers to recognize acceptable and nonacceptable varieties of Kansas wheat.

Norman Whitehair, Extension grain-marketing economist at Kansas State College, says commercial bakers are highly critical of the flour they buy. Because of this millers are necessarily choosy in their selection of wheat varieties. They want varieties that will make flour acceptable to the bakers. "This means," says Whitehair, "that farmers have the job of raising wheat

that will meet these critical markets." L. E. Willoughby and Frank Bieberly, Extension agronomists, and E. L. Granstaff, wheat-marketing specialist of the regional Extension service, will assist Whitehair in the one-day schools. Morning sessions will be devoted to discussions, afternoons to wheat-kernel identification study.

More FFA Members

The National Future Farmers of America organization has 10 per cent more members this year over 1949. This is based on a recent estimate by A. W. Tenney, FFA executive secretary. The national membership is estimated at 305,000 and 279,946 in 1949.

Safety Method

A safe way to use an extension cord in basement, attic or garage is to run cord thru rubber fruit jar rings, then loop rings over nails driven into rafters. —Mrs. J. H.

GRANDMA . . . By Charles Kuhn



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Coming, November 18 . . .

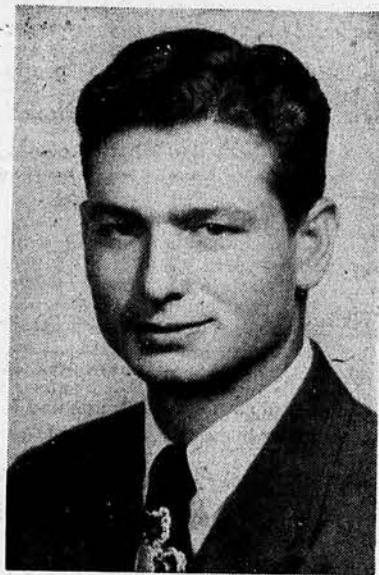
How old is irrigation in Kansas? How has it been used? In how many parts of the state?

There is an interesting story to tell about the early canals, pumping plants, use of windmills and putting electricity to work. And it will come to you in your November 18, issue of *Kansas Farmer*, told by one of the leading experts on irrigation in the Midwest.

Not only will this article tell what has been done but it will indicate what may happen in the future. Our increasing population means an increasing need for food and fiber. Irrigation is bound to play a part in this increase. If you have any idea your farm might benefit from irrigation, you won't want to miss this article in your very next issue of *Kansas Farmer* dated November 18.

Ivan Goes to Germany

We Saw Heavy Destruction But New Stores Are Quite Modern Offering Everything You Can Buy in the United States



Ivan W. Schmedemann

You remember *Kansas Farmer* promised to bring you letters from our 3 *Kansas 4-H*'ers who are spending some time on European farms. Here is the sixth one from Ivan W. Schmedemann, Junction City, written from Cologne, Germany.

DEAR MR. GILKESON: I am living near Cologne in the section of Germany where some of the fierce battles of World War II were fought. As we crossed the Rhine river into Cologne the Patton bridge built by American forces could be seen in the distance, and nearer the remains of a railroad bridge lying where it had been destroyed by some retreating German troops.

The city of Cologne, altho much of the rubble has been removed and many buildings rebuilt, still has sections where not a house is standing; only masses of broken bricks, stones, and twisted steel remain. Stores and houses that have been rebuilt are usually quite modern, with store windows showing the latest in clothing and other items. Nearly everything that can be bought in the United States can be bought in Germany if one just has the money.

Saw Battlefields

Karl Kaulen, owner of the farm where I am now living, took me by car to the battlefields of the Eifel. The Eifel is the name of a range of hills lying southeast of Cologne. Many of the villages were completely destroyed

and the forest looked like a giant had taken a dull scythe and cut the trees down. In some places barbed-wire entanglements remain where the mines have not been cleared.

For miles we drove past destroyed concrete fortifications and tank barriers.

Mr. Kaulen said about 2,000 farmers had been killed after the war by old mines and shells as they started to cultivate their farms.

Buildings of the Kaulen farm are built in a tight rectangle with 2 entrances which are closed by huge doors each night. The roofs had been burned during the war by incendiary bombs. However, the attic had been used for grain storage years before and had a very thick concrete floor which prevented fire from spreading any further than the attic.

Located deep in the basement of the house is a very sturdy double steel door air raid shelter in which Gerda Kaulen, the daughter, informed me they had spent many nights during the war, and also days as the American Army came nearer.

Agriculture of this farm is a great deal more intensified than that of previous farms on which I have lived.

The city of Cologne being very near provides an outlet for such crops as cabbage, cauliflower, onions, potatoes, tulip bulbs, green peas, beans and sugar beets.

Plant Sprouted Potatoes

Mr. Kaulen's explanation of early potato growing was interesting to me. Seed potatoes are placed in crates on end in a room with controlled temperature in December. Temperature must be regulated so sprouts will be about 1 inch long when they are planted in the middle of March. If sprouts are too long they are easily broken off by the workers. The large potatoes are planted first. In case they are frozen they will sprout more foliage, while small potatoes will be more likely to die.

Potatoes are cultivated before they come thru the soil to kill all weeds and to heap dirt so less hand labor is needed later.

The potatoes are spaced from 2 to 3 feet apart to allow room for cabbage and cauliflower to be planted in the row sometime between May 15 and June 1. Usually, potatoes are harvested about June 10, either by machine or hand.

This year potatoes sold for about \$4 per 100 pounds and yielded from 4,500 to 6,500 pounds per acre. Mr. Kaulen said he expected potatoes to cover expenses and vegetables to produce the profits. —Ivan W. Schmedemann.

Emporia Is Host to State Poultry Exposition

CLASSES for both live and dressed broilers will be provided for the broiler branch of the poultry industry at the 1950 Kansas Poultry Exposition, at Emporia, December 7 to 9. The Kansas Poultry Industry Council, sponsor of the event, announces there will also be a class for special pens (4 females and a male each) from breeding and hatchery flocks that produce eggs from which broiler chicks are hatched. M. A. Seaton, exposition manager, thinks it's a big opportunity for broiler growers and breeders of

meat-type chickens to "present their wares."

Every branch of the poultry industry will be represented. These include exhibits of standard-bred poultry (large breeds, bantams and turkeys), dressed turkeys, eggs, baby chicks, dressed roasters and fowl, and processed poultry products. There will be educational and commercial exhibits, also.

A program and premium list is available by writing to L. F. Payne, poultry department, Kansas State College, Manhattan.

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real smoking pleasure
in a pipeful of
Prince Albert,"
says BOB POWERS, contractor

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CRIMP CUT
PRINCE ALBERT GIVES
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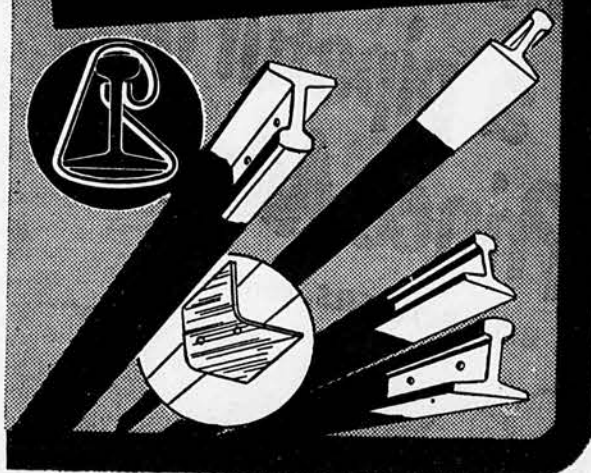
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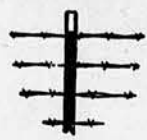
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What Happened To Our Gardens?

By WILLIAM G. AMSTEIN, Kansas State College

FARM gardens in 1950, despite a poor start due to a dry spring, came thru in most all sections of Kansas with good production. This was because of improved moisture and growing conditions as the season progressed. Seldom have as poor early season prospects worked out better. Unfortunately too many folks "summer-fallowed" their garden program on the basis that early season moisture prospects did not warrant planting.

Likewise this was another season when an irrigation setup, provided it was used, paid extra good dividends. Visiting home or market garden layouts, it appears to me extra returns from water applied when needed often is the difference between success and near failure.

Use of quick-couple, lightweight pipe for irrigation has become much more common in Kansas. Market gardeners are finding improved returns certainly justify cost of investment for a portable irrigation system. With the increase in pressure water systems, many more farm gardeners are making use of them for irrigation instead of depending entirely upon the windmill to pump water for the garden.

Many Use Hybrids

Hybrid varieties of vegetables were much more widely used this year. Tomatoes, cucumbers, sweet corn and onions are some of the more important crops where hybrid varieties are coming into rather common use. Hybrid tomatoes certainly offer fine possibilities based on the many plantings I have observed this year. However, in some sections of Kansas total production of the best hybrid varieties does not equal that of one of the best standard varieties such as Sioux under Central and Western Kansas conditions. Hybrid tomatoes are rapidly gaining in popularity and will replace many or most of our open-pollinated varieties in the next 10 years.

Use of plant hormone sprays on early tomato flowers to secure earlier fruit setting paid good returns. Many folks who did not treat blooms reported they fell off for several weeks before any fruit set was noticed. Tomato foliage by midseason showed greater losses from disease than usual, probably due to heavy rains. Late blight, a condition seldom reported in this area, caused heavy foliage and fruit losses in many tomato plantings. A more thorough tomato spray program will be needed in future years if conditions favor these diseases. In addition to Bordeaux and the trade-named lime-free copper sprays, newer materials such as Parzate or Zerlate may need to be used.

Stink Bug Was Cause

Stink bugs were a common cause of injury on tomatoes, peaches and strawberries this year. However, very few recognized them as responsible for the damage. Early in summer many samples of strawberries that bloomed heavily but failed to set and develop normal fruit were received at Kansas State College. Stink bug damage was most often responsible for failure of these blooms to develop normally. As young peaches started to grow the fruit appeared to have deformed, scarred or

chewed areas due to stink bug injury. On ripening tomatoes, the white cloudy flesh under the skin was also due to stink bug injury. On all these crops stink bug damage can be prevented by using chlordane as a spray or dust. It is the same material you used to control grasshoppers.

If You Like Squash

New varieties of squash introduced in the last few years deserve mention and increased planting in 1951 based upon our 1949 and 1950 results. As a summer squash the variety Caserta of the Cocozelle type produced extra heavy early yields of a light, glossy-green product. The plant stays in production through summer if squash bugs are kept reasonably well in check. Uconn, a Table Queen type squash, introduced this year gave good account of itself. The vines do not require much space and are extra productive. Buttercup is a thick-fleshed, small winter squash that is doing well. It is a family-size product that possesses orange-colored flesh. Introduced by Doctor Yeager, a native of Chase county, the Buttercup variety has come to be the favorite of many gardeners. You may care to add it to your list of vegetables for freezing in your 1951 plans.

The 1950 performance of the Gold-Medal All-America winning bush bean Top Crop in Kansas gardens proved all that advance notices indicated. In addition to good quality, resistance to disease and high-yielding ability it was easy to harvest, especially where good fertility and moisture were available. However, bean leaf beetles need to be kept under control on all varieties of beans.

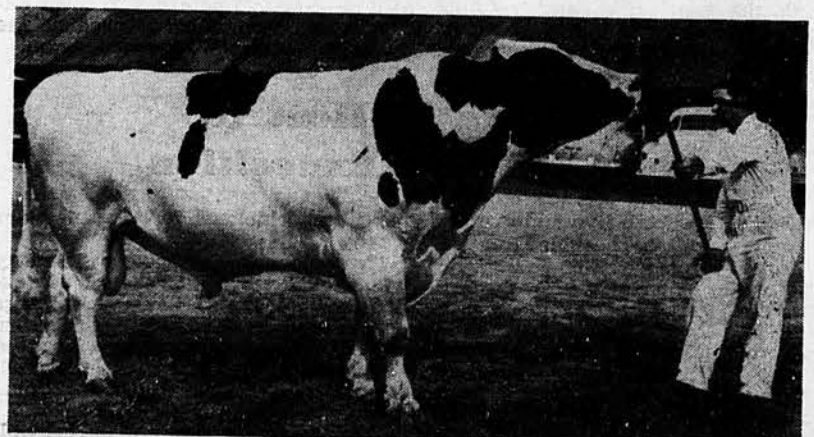
Cucumbers may not rank very high as a food crop but those fine pickles carry plenty of table appeal to all members of the family at mealtime. With introduction of hybrid cucumbers, the striped and spotted beetles have more of a job on their hands if they keep you from producing what your family requires. Certainly you will not lose plants as often from mosaic. This year the Burpee hybrid cucumber came thru in good condition, especially where Rotonone (derris) was used at regular intervals to handle both striped and spotted beetles.

Late Fall Helped

Fall garden production has continued later and better than normal. Beans, spinach, turnips, Chinese cabbage, beets, carrots, and similar crops all have done well this fall. This late season garden produce certainly helps protect our earlier stored vegetable supply. Likewise fall garden produce serves to provide some additional variety to meals.

Sweet potato production in Kansas also has been benefited by the late fall that has provided 2 or 3 weeks for the crop to develop some needed size. However, the Kansas yield this year is much smaller than normal altho over the nation there may be a larger yield than usual. By the way, Kansas-grown sweet potatoes are one of the best vegetable buys today. These high carotene selections such as Nancy Gold and Orange Little Stem have both an attractive skin color and a deep orange flesh color.

Grand Champion Holstein



WAS TOP BULL: This Holstein bull, Lilac Valley King Dean, owned by Wilbur Sloan, Cleveland, was the grand champion at 1950 Kansas State Fair, Hutchinson.

- Being in good flesh
- Plenty of scratch grain
- Good breeding
- Enough room
- Proper temperature
- Warm water
- Plenty of light, all help



Keep Layers Laying

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

ALTHO this year has been somewhat of an exception, it is a general rule that egg prices are normally 50 per cent higher between July 1 and December 31, than during the first 6 months of the year. This means greatest profit in egg production comes in fall and early winter. Pullets laying now must be kept laying if they are going to show a profit.

It is a mistake to force pullets until they are in good flesh. Greatest problem usually comes after pullets have been laying heavily 2 or 3 months. First symptom before a major slump in egg production occurs is a neck molt, frequently followed by general body molt. Once pullets go into a molt and slump in egg production, it may be several weeks before they come back into good production. Most slumps in fall or winter egg production can be avoided if a few necessary precautions are followed.

A general slump in egg production among pullets that have been laying heavily may be due to any one of several causes. Birds that lay at high rate draw heavily upon their body reserves. Unless one feeds to maintain body weight, there is good chance pullets may lay very well, then because of their lack of reserve strength, come down with colds or other illness and go into a fall molt. This results in a big drop in egg production that may last several weeks.

This can best be prevented by not forcing pullets until they have developed strong, healthy bodies and then see that they maintain their correct body weight by proper feeding.

Pellets Will Help

Most mashes are mixed so they should be fed with equal parts of scratch grain. If birds are losing weight it is desirable to give them additional scratch. Feeding wet mash or pellets once a day in addition to the regular feed will usually encourage eating. If there is some question about whether birds are losing weight, it may be worth while to band several birds and weigh them once each week. If a drop in body weight is noticed, necessary management changes can be made to maintain weight.

Another cause for a slump in egg production is heredity. Some hens go

into a winter slump because they inherit this trait from their parents. The wise poultryman purchases chicks from a hatchery that specializes in breeding for winter egg production.

The condition inside the poultry house has a very definite effect upon egg production. Overcrowding will invariably result in a slump in production. Effects of overcrowding show up most as soon as cool weather sets in and it becomes necessary to leave the birds inside. Under ordinary conditions, a poultry house that provides $3\frac{1}{2}$ to 4 square feet of floor space per bird will prove sufficient for birds permanently confined. Overcrowding results in damp litter, and may bring about poor ventilation.

Temperature Is Important

Weather is an important factor in egg production. Ideal temperature for chickens is somewhere between 60 degrees and 70 degrees F. Too high temperature results in fewer and smaller eggs. Temperatures above 90 degrees F., have marked effect upon egg production. Extreme cold also may result in a slump in production. The colder the temperature, the more of the feed a hen eats is used to maintain her body temperature and less for the manufacture of eggs. Any feeding program that will cause the hen to eat more feed during cold weather will help prevent a general slump. More scratch grain should be fed in cold weather. Wet mash or pellets fed on top the regular mash may help.

Hens won't drink sufficient water during extremely cold weather unless some means are provided for supplying them with lukewarm water.

Hens lay best when they get from 12 to 14 hours of light per day. During fall and winter there are not that many hours of natural light. Artificial light must be supplemented if 14 hours of light are to be maintained. Artificial lights may be used either in evening, morning, or both. Some poultrymen even prefer all-night lights. So long as birds get the necessary light, it makes little difference when they get it. It is important, however, to follow the same lighting system once it is started. A 40-watt bulb will light 200 square feet of floor space. If all-night lights are used, a smaller bulb will do.

MR. DAIRY FARMER: WOULD YOU BUILD A New DAIRY BARN at NO COST to YOU?



SOUNDS STRANGE BUT IT'S TRUE!

That's exactly what Ralph Brendle, Rt. 4 Norman, Okla., did!



Ralph is an outstanding Cleveland County Dairy Farmer. Winner of 1st prize in the County Pasture Improvement contest in July 1950, Ralph is on the lookout for better dairying methods. He adopted the Long-Bell 6-Stanchion Dairy Barn Plan . . . built it on the LONG-BELL BUDGET PLAN . . . boosted his milk grade from C to A and paid for the whole thing out of increased milk profits.

MR. DAIRY FARMER: YOU CAN DO THE SAME THING!

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If there is no Long-Bell store near you, please send your inquiry direct to Long-Bell Lumber Co., Dept. "A", Enid, Okla., stating whether you are interested in a 4 or 6-Stanchion plan. Complete information will be sent to you.

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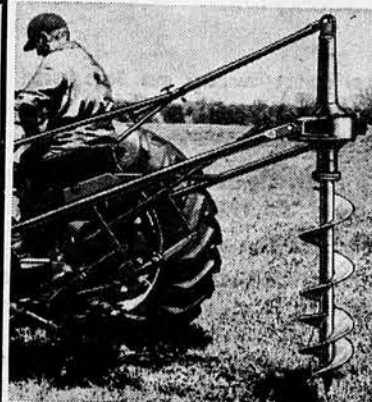
United Nations Flag



UNITED NATIONS flags are becoming popular with many groups. If your group would like to make a U. N. Flag you can get information from your local home demonstration agent. Schools are being held in many counties to show how the flags are made. The official United Nations flag is 3 by 5 feet, with a white emblem on a medium blue background. Shown holding an official flag in this picture are Mrs. Mary Ziegler, center, Shawnee county home demonstration agent, and Alice Niccum, left, and Dorothy Kramer, office secretaries.

SAVE WORK and CROPS with Improved TWIN-DRAULIC Equipment

Wagon Hoist
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Post Hole Digger

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New —LOW PRICE . . . Give years of service—Replaceable bits.

Fencing is now done easily and quickly with a Twin-Draulic Post Hole Digger that fits any farm tractor with built-in hydraulic system . . . works effectively in wet or dry ground. See your dealer or write for free circular.

All-Purpose LOADER The ORIGINAL Twin-Draulic Loader now has double action twin cylinders to operate with new double action hydraulic tractor pumps.

Fits all farm tractor models to do lifting, loading, shoveling and grading work. See your dealer or write for free circular.



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The Fence That Says STOP and Means It!



Strength to stand up under the strain of crowding animals as well as the stress of years and weather is built into Sheffield Fence. Made of uniform, high quality steel, with every step of manufacture under rigid Sheffield control, Sheffield Fences are built to give under impact—and spring back into position without sagging or breaking. A fence is only as good as its ability to bar the way—and when your Sheffield Fence says "stop!" it means it.

See your neighborhood Sheffield Dealer today and have him show you these features that give Sheffield Fence its strength and long life.



1. An extra wrap on top and bottom strands to add strength where strain is greatest.
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3. Heavy uniform coat of zinc perfectly bonded to steel wire for longer life.

Tell him your fence requirements so that he can be sure of providing you with extra value Sheffield Fence. It requires more steel to make Sheffield Fence—but it costs no more.

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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.

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Dale Goes to Finland

Now I Am Living on an Estate That Contains 455 Acres of Crops, 2,000 Acres of Forest

DEAR MR. GILKESON: Life at Laxpojo is different. This estate contains 455 acres of cropland and 2,000 acres of forest. There are 11 field workers, a blacksmith, 3 milk women, a chicken woman, a horse man, several gardeners, and a housekeeper. The owner, Dr. Max H. van Gilse van der Pals and his wife, live in the main house. The house is of French design, paintings and displays of silver and china fill the rooms. My room here is very comfortable. Mr. van der Pal's son and family live in a smaller house nearby. A large lawn slopes to the lake, drooping birch and giant fir trees frame the views. Gravel walks are lined with red blooming begonias. It is a beautiful place.

Among themselves the family speak Swedish, to the workers they speak Finnish, and for kicks they speak German, French and English. I definitely feel ignorant speaking only poor English.

Because Laxpojo is so large the agricultural program is not typical of most Finnish farms. White Leghorn chickens are raised, there is a flock of 27 grey geese. Turkeys raised here are popular with the American Embassy at Thanksgiving and Christmas. Since they need protection from foxes, turkeys and geese must be fenced in, so small farms do not raise many of these fowl.

Outstanding Ayrshire Herd

The Ayrshire herd on this farm is outstanding. Now 28 cows are being milked. Milking is done in the open, using a Danish milking machine. Much of the milk is used in the home and sold to the workers; the remainder is sold to a co-operative creamery and made into cheese, butter and ice cream. Cows are pastured on good clover and timothy.

Since it is necessary to keep livestock indoors during winter, new stanchions, feed troughs and water cups for 80 cows are being installed in the cow barn.

Seventeen Finnish breed horses are used here. The stable floor is made of small wooden blocks laid as if they were bricks.

The first evening I was here I walked down to the lake. As I returned I saw a panel pen and went up to investigate. Immediately a ram charged around and we had a fight. (It was a draw!) I saw the ewes in the pen were eating the lawn grass. Each day the pen is moved to new grass. This beats mowing lawns!

Grain Must Be Dried

Lime underneath helps make the farm's soil very productive. Spring and winter wheat are produced. Wheat isn't cut until the beginning of September. Harvesting is done with a 4-foot Swedish combine, a Munktel and a Fordson tractor. Since it is nearly impossible to cut grain with less than 24 per cent moisture content, all sacked grain must be dried. This is done with the farm's own drier. Grain passes thru a hot-air blast, then is cleaned and graded by a large fanning mill.

Oats is cut the latter part of August using a European binder. Instead of a reel that moves on a horizontal plane this binder's 4-toothed arms revolve in an oblique plane. The bundles are hung on pointed stakes to dry and await threshing.

Rye and barley are handled in a similar manner. As I have worked in the grain, I have been surprised to see many, many light-colored frogs hopping in the stubble.

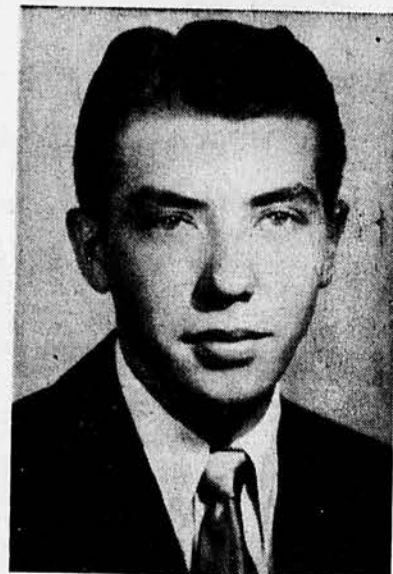
Some of the farm's grain is milled to flour in the small mill and used in the home, the remainder is sold thru a co-operative.

By irrigating with a portable system and lake water, 2 crops of timothy and clover are produced each summer for making silage. The silage is preserved in pit silos.

A mixture of wheat, oats, sweet peas, and lupin is grown and threshed; these grains are said to be excellent winter cow feed.

Sugar beets are raised; since imported sugar is still rationed, the beets are a profitable crop.

Rybs is a plant grown for its seed from which margarine oil is extracted. This year this farm is growing flax for its seed oil.



H. Dale Johnson

Remember, Kansas Farmer promised to bring you letters from our 3 Kansas 4-H'ers who are spending some time on European farms. Here is the seventh one from H. Dale Johnson, of Salina, written from Lohja, Finland.

I have spent 3 days hanging pea vines on stakes to await threshing. Since the Finns eat much pea soup during winter, dried peas are a good crop.

April and May are dry months here; during September and October it rains often. For more than a week it rained every day. If a shower came while we were in the field we crouched under a stake of grain and weathered the storm.

Use Tile to Drain Land

Underground drainage tile is being installed here; by eliminating the numerous surface drain ditches, 12 per cent more cropland is available. I felt some of the soil being dug up; it contained much organic matter and water could be squeezed from it as if it were a sponge. We spent a day hauling and laying tile for the ditches. Hauling was done with a horse and small sleigh. Quite a treat, sleighing in September.

At 7 a. m. each weekday the field workers gather near the stable. Young Mr. van der Pals comes out and assigns the work. From 9:30 to 9:45 a. m. the men have a snack and coffee from their packs. After an hour at noon work continues until 5 p. m. This makes a 50-hour work week. Rate of pay is 68 marks or about 30 cents an hour. From the pay a small deduction is made for housing, electricity, fuel, milk, flour, and taxes are withheld. Thus the worker's monthly pay is about \$50.

Altho they are well-treated, the workers are often careless and they loaf a lot. Much time is spent leaning on fork handles. It amazes me how many times they can look at their watches when working, but when resting no one thinks about the time. I am afraid all these tricks of the trade will have a bad influence on my laziness.

The air is cool, leaves are turning yellow and the large black and grey crows are flocking. It will be an interesting fall.

—H. Dale Johnson.



"It's just my way of showing you how much I like your cooking!"

Best by "Gain-Test"



From range country experiment stations come news-worthy reports, telling of a sire selection method that's something new in livestock improvement. A method that may help you select sires whose offspring should make faster gains, turn your feeds into meat at less cost.

You want cattle, hogs and lambs that will make you more for the grass or feed you put into them. That's why you look long for good sires; why you will pay a big price for a bull, boar or ram that you hope will improve your herd. But it's often difficult, or too expensive, to buy proven sires. And, even with fine pedigree, appearance and conformation, the young animal that looks best to you may prove disappointing as a sire. Now, the experiments indicate, this new method of "gain-testing" may enable you to use more than your eyes and the animal's pedigree in selecting your sires. Here's how it has worked out:

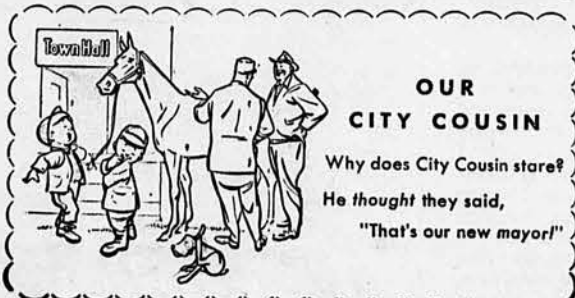
At weaning time a number of bull calves were selected as possible sire material. The weight of each individual was recorded. The young bulls went into a feed lot. They were fed the same ration as fattening steers would get. After several weeks on feed they were weighed again individually. . . . Repeated, carefully controlled tests—by the U. S. D. A. and several co-operating states—have shown that the bulls which make the best gains usually prove to be the best sires in the lot. This test is not "dead sure." But in over 80% of the cases reported sires were able to pass along to their offspring their own fast-gaining ability.

This gain-test method is a new aid to your experience and judgment in sire selection. It's good not only for cattle, but similar tests are valuable in sheep and hog raising also. It can save you time and money. It may speed up your breed improvement program—perhaps more than any other recent development in breeding practice. Ask your county agent or vocational agricultural teacher for information on gain-testing of sires. It might be highly profitable for you.

Competition

What would happen to a meat packer who tried to buy livestock for less than others are willing to pay? He just simply wouldn't get the animals. His plants would stand idle. He would lose money, fast. Pretty soon he would be out of business. . . . Or, if he tried to sell too high, the storekeepers wouldn't buy his meat. It would begin to spoil. Losses would pile up. Pretty soon, again, he would be out of business.

We are in the business of buying livestock, turning it into meat, and selling that meat. As most people know, it is a business of large volume and small margins. For we are dealing in commodities—and against the stiffest kind of competition. Besides Swift, there are 18,000 other meat packers and commercial slaughterers of livestock. At one time or another we are in direct competition with all of them—both in buying and in selling.



OUR CITY COUSIN

Why does City Cousin stare?
He thought they said,
"That's our new mayor!"

"What does Chicago say?"



You have probably heard that question many times. I know I have—livestock commission men, teachers of livestock marketing, producers asking, "What does Chicago say?"

What do they mean by that?

Well, as you know, Swift & Company has meat packing plants in many places. Each of those local plants supplies meat to the customers in its own territory. But when the producers in the area surrounding one of our plants are marketing more livestock than our people know can be sold locally as meat, then our plant asks Chicago for help in distributing that surplus.

To find markets for that surplus meat, Swift keeps track of the demand for meat on a nation-wide basis. Information similar to ours, from government sources, is available to everyone. From it we estimate what meat will bring in consuming centers where little or no livestock is produced. Then our Chicago office advises the local Swift plant with the surplus accordingly. With this information at hand our local livestock buyers go into the market to buy cattle, calves, lambs and hogs. The livestock which our plants buy, with the help of Chicago's advice, they convert into meat and ship to the big consuming centers.

In short, the only time "Chicago says" anything is when a local plant needs help in distributing a surplus supply of meat. Seldom if ever do as many as a dozen out of our fifty plants need this help from Chicago at one time.

This distributing of surplus meats (from areas that produce more than they can consume locally) is of great value to producers and consumers. To producers, because their local livestock prices are thus determined on a basis of nation-wide demand, rather than on an over-supplied condition in their own local community. And to consumers, because it provides adequate supplies of meat to people living in those areas which do not produce enough livestock for their own needs.

F.M. Simpson.

Agricultural Research Dept.

Martha Logan's Recipe for SPECIAL HOT TURKEY SANDWICH

Here's a real he-man sandwich made from sliced cold turkey and heated stuffing and gravy.

On slice of bread (or toast) place about 1 cup of hot well-seasoned stuffing. Over the top lay slices of white and dark turkey. Then pour on about 1 cup of hot turkey giblet gravy. Serve with hot mashed potatoes, if desired. Cranberry sauce, of course.

Soda Bill Sez:

When a feller makes a mistake and doesn't admit it, he's made two mistakes. And if he doesn't fix it up, he's made three!

When a man says, "You're like me . . ." that's a compliment, even if you don't think so.



Quote of the Month

Big business is little business grown up. It grew up and became big because it was useful and contributed to the general welfare; was efficient and rendered a valuable service. Big business grows up because the public allows it to do so. No business can become big business without public approval, and public approval cannot be bought. It is earned through hard work in giving a better service than competition can perform or produce. Demand for its product is what makes it grow big.

The Kansas Stockman
(Published by Kansas Livestock Assn.)

The Role of Grass in Beef Production

by A. J. Dyer,
University of Missouri
Columbia, Mo.



A. J. Dyer

Grass puts stability into the cattle business. Thirty years ago, cattle feeders were corn-minded. Feeder cattle were almost immediately started on grain feed after purchase. Now, wide use of pasture and roughage enables the cattle feeder to make some profit from cattle fattening even if cattle prices drop some between purchase time and date of sale. If income is to be maintained, roughage and pasture must be converted into meat. Beef cattle can do it.

At the Missouri Station, choice 400-pound feeder calves have been developed to 1200-pound fat 2-year-olds grading good in the carcass with about 10 bushels of corn. Sixty percent of the entire gain was made from pasture and 30% from roughage, 10% from grain feeding. Fat 1050-pound yearlings have been produced from 400-pound feeder calves with about 25 bushels of corn. About 40% of the total gain was made from pasture, 30% from roughage, and 30% from grain feeding in dry lot. Feeding some grain is essential in order to market the pasture gains to advantage.

New and old pasture crops and more know-how about utilizing them, increased use of plant foods, development of cattle that put on flesh readily have all contributed to the increased use of roughage and pasture.

Swift & Company

UNION STOCK YARDS, CHICAGO 9, ILLINOIS

Nutrition is our business—and yours



If you're like most folks you just naturally want to get the most for your money. That's why BEM BRAND Fertilizer is so popular with the profit-wise farmers of this area. They know that besides giving them the guaranteed amounts of Nitrogen, Phosphate and Potash, BEM BRAND Fertilizer gives them a "BONUS" of vital secondary elements—calcium, sulfur, and other elements essential to healthy, vigorous plant growth.

BEM BRAND Fertilizer meets your soil's needs because it is made in many different formulas to give complete balanced plant food for your crops and soils. When you want bigger yields of higher quality crops, specify BEM BRAND Fertilizer.



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.

THURSTON

Mary Lou Goes to Wales

I Was Thrilled to Visit Relatives in North Wales, See the Old Homes, and Church Where Grandparents Attended

DEAR MR. GILKESON: In 1886, at the age of 22 years, a young Welsh farm lad left his native country and set sail for the United States—the land of opportunity. After a 14-day sea voyage, he found his way across the states and settled at Emporia, Kan. He became a very successful farmer, returned to Wales for his wife, and then they made their home together in Kansas. This young man was my grandfather, William Edwards. Altho my grandfather spent most of his life in the states he never forgot Wales, and the country he left behind. He was proud of his Welsh blood, and until his death 2 years ago, his greatest desire was to be able to return to Wales for a visit. But since my granddad was not able to come to Wales himself, it was with a feeling of great pride that I journeyed to North Wales to visit Conway, the childhood home of my granddad. This is the part of my trip I have waited for with greatest anticipation all summer.

Beauty in the North

There is a distinct contrast between the industrial South and the agricultural North of Wales. The beauty of Wales is to be found in the north, and a tourist finds it easy to occupy his time with the superb mountains, valleys, sea coast scenery and historic castles offering much picturesque and fascinating adventure. The tradition and individuality of the old Welsh has been maintained to a much higher degree, and everywhere the Welsh language is spoken. The people seem to find a sense of satisfaction in their native tongue. The language is one of



Mary Lou Edwards

You remember Kansas Farmer promised to bring you letters from our 3 Kansas 4-H'ers who are spending some time on European farms. Here is the seventh one from Mary Lou Edwards, of Manhattan, written from Belfast, Ireland.

to hold our Topeka Capitol, it seems incredible. The guide said that altho they had done so much, they had barely scratched the face of the mountain, and there was enough slate left to roof the world for untold centuries.

Our group of 4-H'ers was also especially privileged by an invitation to visit the International Sheep Dog Trials, held this year at Ruthin. "There is no good flock without a good shepherd, and no good shepherd without a good dog"—this has been the motto of the shepherd's society since the time of the first sheep dog trials held in Wales in 1873. Objectives of the society are to stimulate interest in the shepherd and his calling, and obtain the better management of stock by improving the shepherd's dog.

A Very Hard Test

The course for the International championship is undoubtedly the truest test of working ability ever devised. Two lots of 10 sheep have to be "gathered" in 2 runs (first to the right, and then to the left) of about 800 yards, brought thru a gate, united, and then driven in triangular fashion thru 2 further gates. Afterwards, 5 marked sheep have to be "shed" from the remainder and penned. Half an hour is the time allowed for completion. The handler who gives fewest commands and works his dog quietly is preferred. Other important factors include stamina, power, concentration, steadiness and obedience. This year, J. M. Wilson, of Scotland, became supreme champion for the eighth time, with his Colies—Moss, Mirk and Nell. It is indeed a great achievement, and we were all so intrigued by the work, like the dogs, we took no notice of the pouring rain.

The Welsh are intensely musical and great lovers of poetry. One of the most noted symbols of Wales is the Welsh harp. At a Young Farmer's Club meeting in Coernarvonshire we heard brother and sister playing the Welsh harp together. It seems they have a natural urge and ability to express themselves, and with a long and stirring history to draw upon, what should

(Continued on Page 19)

Home-Grown Timber

Are you planning farm building improvements? Could you use your own woodland products? A recent KSC Extension leaflet gives some pointers on uses and selection of native timber; proper air seasoning of timber to reduce losses; sawing lumber from logs; nailing native hardwoods. A post card request addressed to Farm Service Editor, Kansas Farmer, Topeka, will have our prompt attention. Please ask for Circular 221.

SAVE TIME, LABOR AND MONEY!

**Horn Draulic
LOADER BOOM
AND
HYDRAULIC
GRAPPLE FORK**

For Row Crop, Large Standard, Small Standard, Conversion and Track Type Tractors.



Break up stacks with this efficient combination. A one man operation completely hydraulic. Easily installed on all Horn Draulic Loaders. For year around farm operation specify HORN-DRAULIC.

Write for Free Folders

Check the time saving advantages of HORN-DRAULIC! Increase the operating value of your tractor.

Price Brothers Equipment, Inc.
Washington & Orme
Wichita, Kansas

**Mention
KANSAS FARMER
When Writing Advertisers**



chop GRIND IT!
save labor
and power

Here's the way to get more money for your sorghum and roughage. Chop grinding makes feed more palatable and digestible than powder-fine grind. Smalley rotor has both knives and hammers. Chop grinds ear corn, fodder, hay, grain, faster than usual hammer mills. Takes less power.

NEW BIG THROAT feeder hopper handles large sorghum bundles, chunks of square bales, or split rolled bales. Safe pneumatic feed.

**HATCHET
HAMMER MILL**



WRITE—

Smalley
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be more natural than legend and romance should flourish. The Welsh love of music finds expression each year on March 1 in the Welsh St. David's concert, the singing of Welsh songs and hymns, many of them I recognized as the ones my granddad used to teach to me. "All Thru The Night," "Men of Harlech" and the Welsh national anthem.

The best in poetry is proclaimed each year at the National Eisteddfod, when giving prizes for the best poems of the year is attended by carefree ceremonies, the wearing of Dreidical robes and much solemnity. These 2 ceremonies attract people from all over Wales—even from all over the world. We were able to see films of the ceremony.

But I am sure by far the most enjoyable days of my entire trip to the United Kingdom this summer were the few I spent visiting relatives of my Dad and granddad, at Conway and Colwyn Bay in North Wales. While I stayed with my Dad's cousin at Bodidda farm just outside of Conway I was

able to visit other of my grandparents relatives.

At Dolwyd farm, the boyhood home of my granddad, the farmer's wife allowed me to go in and have a "look around" the old, old home. Much of the kitchen is still furnished as it was when my granddad was living there—the open fireplace for cooking, topped with brass candlesticks, the long, narrow table with its bench on either side, and the black Welsh dresser with its display of Welsh china in the blue and white "Willow" pattern, and the walls hung with bits of copper, both useful and ornamental pieces.

In a near-by village "Eglwys Bach" I visited a tiny shop where my grandmother used to work. Formerly it was a draper and grocer shop, while today it is only a grocery store. Proudly I made a purchase at the little shop, and tried to imagine how it was when "Gram" used to work there. Here again I was invited into the living quarters behind the shop, where my grandmother lived as a girl, and over a cup of tea listened to stories told me about life in the village long ago.

And lastly I was able to go to the churches where my grandparents attended in their youth, and visit the tombs of my great-grandparents.

But the week with my relatives passed quickly, and I had to be off to Caernarvon to join the rest of my group. The mountain region was most fascinating, and we found great pleasures in our "attempt" to climb Snowdon, highest mountain in all of England and Wales.

I'm positive there must be a certain amount of prejudice in my opinion, but I think the Welsh people are tops! Their friendliness and hospitality can't be exceeded, and I shall always remember them for their kindness, their quick wit, their ready sense of humor and their beautiful voices.

Their pride and love of country is consistent with every Welsh person as it was with my grandparents. I believe it is well-expressed in the chorus of their national anthem, "Wales, Wales, Favorite Land of Wales, 'til death be past, my love shall last, my longing, my yearning for Wales." "Hwyl Fawr" (good-bye).—Mary Lou Edwards.

Service Bulletins

Circular 219—Kansas Corn.

Circular 220—Sorghums in Kansas.

We have received several requests for information on these subjects, and asked Kansas State College Extension Service to send us their bulletins. We believe you may be in need of similar information, and we are glad to offer these circulars to you.

Subjects in the corn bulletin are soils, rotations, seedbed preparation, fertilizers, varieties.

The name sorghum refers to a large number of crops and there is a sorghum variety for almost any purpose and region in Kansas.

Kansas Farmer's Bulletin Service will have a copy of either one or both of these circulars sent to those interested. Please order by number.

Thoughts TO LIVE BY

Self-Reliance

THE late Senator William E. Borah, of Idaho, said he read Emerson's essay on "Self-Reliance" every year. Borah was such an independent politician he was both the pride and the scourge of his party. It takes courage to stand alone. If such courage can be gained by reading an essay, let's dust off our books and use them a bit. After we have read what Emerson has to say about self-reliance, it would be a good idea to send the volume to our congressman. He feels the pressure of so many lobbyists he would surely appreciate any help in standing for his convictions we might give him.

An old adage expressing an opposite point of view has been coaxing for a comment: "When in Rome, do as the Romans do." When it comes to etiquette, that may be a good motto. When it comes to moral conduct, a standard like that is the refuge of a scoundrel and a coward.

Rome was a city offering vice to the classes and bread and circuses to the masses. Its idolatrous religions had lost the respect of many people. Slavery was taken for granted, and the cruelty and immorality of society made life cheap. It is the nature of a metropolis to provide escape from the moral restraint of the village and small town. It is the large city that appeals to people who desire to live licentious and bestial lives. So it was easy to conform to

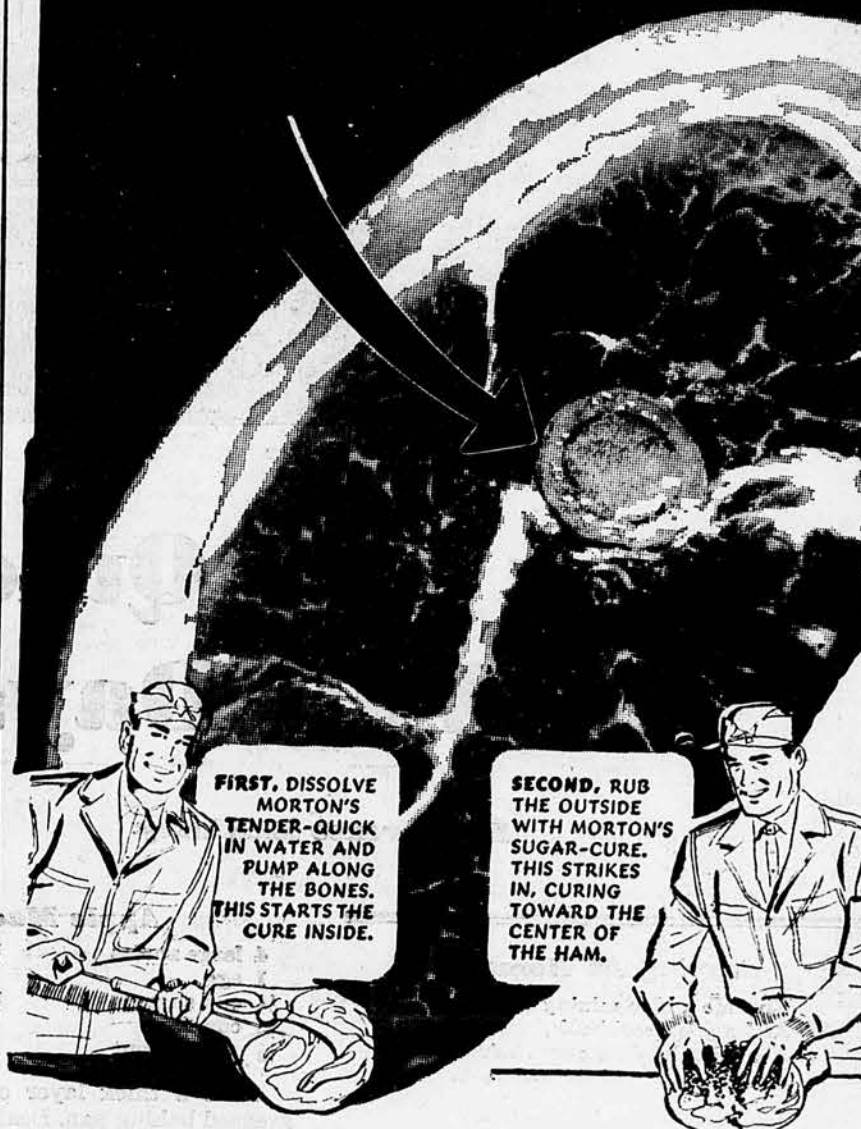
the customs of Rome. To do as the Romans did while one was in the city was to avoid embarrassment and struggle.

There were some, however, who swam against the current. A prisoner wrote a letter in which he alluded to the inroads of Christianity into this pagan capital. He sent the greetings of the saints who dwelt in Rome "chiefly they that are of Caesar's household." In another letter, this same prisoner reminded the followers of "the Way" who lived in Ephesus of their responsibility for "redeeming the time, because the days are evil." There were glorious nonconformists who were the salt of that society, men who would go to prison rather than compromise their convictions. They created new standards of conduct. They refused to do the wrong thing just because "everybody is doing it." Everybody was not doing it, for they were somebodies, powerful people with their own ideas.

When Henry Thoreau was ridiculed because he was out of step with his times, he replied that he was marching to the beat of another drummer. Such self-reliance bespeaks a trust in God. He who would live by faith in God must have the courage to stand alone. Fortunately, history gives assurance that "one man on God's side is a majority." Self-reliance of that kind is the stuff out of which the great and the heroic are made.

—Larry Schwarz.

It's the Cure that Counts Most



FIRST, DISSOLVE MORTON'S TENDER-QUICK IN WATER AND PUMP ALONG THE BONES. THIS STARTS THE CURE INSIDE.

SECOND, RUB THE OUTSIDE WITH MORTON'S SUGAR-CURE. THIS STRIKES IN, CURING TOWARD THE CENTER OF THE HAM.

OFF flavor and undercured spots are most likely to develop around the bone. That's why the inside cure is so important! When you cure the Morton Way, you know you're putting the cure where it's needed first. Tender-Quick pumped along the bone starts the cure inside, assures you an even cure from the bone out. Sugar-Cure on the outside, gives you uniformly cured meat and imparts rich smoke flavor.

Morton's Meat Curing Products are ready to use — no mixing — no uncertainties. Ask your dealer for Morton's Sugar-Cure, Tender-Quick and Sausage Seasoning. You will have the finest cured meat and sausage you have ever put up.



Meat Curing Book 10¢
Write for your copy. 200 pictures — over 100 pages. Easy-to-follow directions on butchering and curing. Send only 10¢ to Morton Salt Co., Box 781, Chicago 90, Ill.

Cure your meat the improved
MORTON WAY



HAVE you discovered the full value of your home freezer? Have you let it help you have mild cured fancy breakfast bacon, ham, picnic shoulder and other cured meat products at any time of the year? Write for new free folder, address — Morton Salt Company, P. O. Box 781, Chicago 90, Illinois.



TEAM ICE CREAM AND APPLES together for a good but easy-to-fix dessert while apples are fresh.

Mexican Braised Liver

- | | |
|-------------------------------|---------------------------|
| 1½ pounds liver, sliced | 3 medium onions, diced |
| 8 tablespoons bacon drippings | salt and pepper |
| 6 carrots, diced | ½ cup water |
| 2 green peppers, diced | 4 cups brown rice, cooked |

Dredge the liver with flour and brown in bacon drippings. Prepare and dice carrots, green peppers and onions. Arrange in mounds on pieces of liver. Season with salt and pepper and add water. Cover. Simmer gently for about 45 minutes or until vegetables are tender, adding more water if necessary. Serve on a bed of hot brown rice, which may be cooked while the meat is cooking.

Butterscotch Tarts

- | | |
|-------------------|--------------------------|
| 2 egg yolks | 2 tablespoons cornstarch |
| 1½ cups milk | 2 tablespoons butter |
| ¾ cup brown sugar | 1 teaspoon vanilla |
| ¼ teaspoon salt | |

Have ready 6 baked tart shells. A 2-crust pastry recipe will be right. Fit into tart pans, prick generously and bake in hot oven (425° F.) for 10 to 12 minutes.

Blend egg yolks and milk. Mix the brown sugar, salt and cornstarch and add egg-milk mixture to the dry mixture. Add butter and cook over boiling water or low heat until smooth and thick, stirring constantly. Cool, add vanilla and pour into baked tart shells.

Top with meringue made by beating 2 egg whites, then slowly adding 4 tablespoons sugar, beating after each addition until mixture holds its shape. Bake in slow oven (325° F.) until the meringue is delicately browned.

Cranberry-Orange Relish

- | | |
|--------------------------|--------------------|
| 4 cups fresh cranberries | 2 oranges, chopped |
| | 2 cups sugar |

Put cranberries and chopped oranges thru the food chopper. Add sugar and mix well. Chill in refrigerator a few hours before serving. Makes about one quart of relish. It will keep in the refrigerator for several weeks.

Spicy Nut Topping

- | | |
|--------------------|---------------------|
| ¼ cup brown sugar, | ½ teaspoon cinnamon |
| ½ cup sifted flour | ¾ cup chopped nuts |
| | ½ teaspoon salt |

Mix all ingredients, sprinkle over unbaked cake batter and bake as usual. This frosting is especially good on chocolate cake.

Easy and Quick for Fall Days

By Florence McKinney

Staying At Home

Give me a blue mixing bowl
And a good cookbook,
A crochet hook, a cozy chair
A window near to see and look.

For I am staying inside all day
And never yearn to roam.
Reading, cooking and looking
Within these walls of home.

—By Helen E. Kindsvater.

Apple Macaroons

- | | |
|----------------|-----------------------------|
| 4 large apples | ¼ teaspoon baking powder |
| 1 egg | ½ teaspoon salt |
| ½ cup sugar | 2 tablespoons melted butter |
| ½ cup flour | |
| ½ cup coconut | |

Place a thick layer of peeled apples in a greased baking pan. Beat eggs, add sugar. Sift flour, baking powder and salt together. Add flour mixture, coconut and melted butter to egg mixture. Spread over sliced apples and bake in a moderate oven (350° F.) for about 20 minutes. Cut in squares and serve with cream.

APPLES on the market and more time in the kitchen as cooler days arrive... these are reasons for putting good food on the table. Too, liver is one of the best meat buys these days, especially considering the nutritive value. Pork liver is a bit better because it is higher in iron than other livers, yet usually lower in price. So we offer new ways to serve apples and liver.

Apple a la Mode

Team ice cream and apples together while the crop is fresh and a good buy.

- | | |
|--------------|---------------------------|
| 2 cups sugar | 3 large apples |
| 1 cup water | 1 quart vanilla ice cream |
| 2 lemons | whole nut meats |

Combine sugar, water and juice and grated rinds of lemons. Bring to a boil. Wash the apples thoroly, cut in half and remove cores. Cook apples slowly in the sirup for about 15 minutes until they become transparent. Do not overcook as they will lose their shape. Dip sirup over apples while cooking. Chill apples in sirup. Arrange on a large serving tray and pile vanilla ice cream in the center. Top with nuts. Serve with remaining sirup. Serves 6.

A GOOD BUY is liver because the price is lower than most meats and the nutritive value better.



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

PROCTER & GAMBLE'S NEW, PATENTED

cheer®

Latest, most remarkable No-Rinse product! Specially made to assure bright, clean washes without rinsing

If you doubt that you can get clothes *clean* the no-rinse way, we dare you to wash your clothes with CHEER—without rinsing! We dare you to try CHEER just once!

With Procter & Gamble's new CHEER, no-rinse washing becomes *really dependable*. Specially made for timesaving, worksaving, no-rinse washing, CHEER *guarantees* you the cleanest possible no-rinse wash!

CHEER floats dirt out of your

clothes and *holds* it in the wash water! When you wring out your clothes . . . out goes the dirt! The wash is beautifully clean, dries soft, irons easily.

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

Try it yourself—with or without rinsing! Whichever way you wash—CHEER offers you the cleanest wash it's possible to get by that method.

HERE IS WHAT THESE WOMEN FOUND OUT ABOUT CHEER



cheer!
Clothes last longer
WITHOUT RINSING!
"Now that I'm washing with CHEER and don't have to rinse, our clothes should last much longer," says Mrs. Bettie Parmelee of Syracuse, N. Y.



cheer!
Clothes iron beautifully
WITHOUT RINSING!
"Before I tried CHEER, I didn't believe clothes could iron so easily without rinsing!" says Mrs. Jean Welch of Sunflower, Kansas.



cheer!
For snowy-white washes
in far less time without rinsing!
"Nothing could convince me I could get a clean, white wash without rinsing until I tried CHEER. It works like magic! And look at the time CHEER saves me!" says Mrs. Jeanne P. Huskinson of Kansas City, Missouri.



GUARANTEED
to give you the
cleanest possible
No-Rinse wash
... or your money back



try cheer once...and you'll cheer forever

CHEER is the trade-mark of a special all-purpose detergent made by PROCTER & GAMBLE.

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How to get a complete SILVERWARE SERVICE for your CHURCH or CLUB...



**Don't Let Valuable
GOLD MEDAL
Silverware Coupons go to waste!**

• Every time the members of your church society or social club get Gold Medal Flour they find a valuable silverware coupon in the bag. These coupons cost them nothing. By saving them, your club can quickly and at little cost own a set of beautiful Queen Bess pattern silverware in Tudor plate by famous Oneida Community Silversmiths. Just appoint a coupon chairman in your club. Send her name to Peggy Adams, General Mills, Inc., Minneapolis, Minnesota, and here's what she will get: (1) a coupon chest for collecting the coupons, (2) Betty Crocker tips and recipes for serving church dinners and club teas, (3) news of what other groups are doing. A Queen Bess pattern silverware collection is a project which may be continued for years. You can keep enlarging your set—replace pieces which are lost. After you get knives, forks and spoons, then start saving for salad forks, butter spreaders, any of the 16 different available pieces.

Here's What Other Groups are Doing!

• One P. T. A. Queen Bess pattern Silverware Club in Minnesota has redeemed almost 2500 coupons. A Centralia, Illinois church guild has 125 Queen Bess pattern forks and spoons. A missionary society in Concordia, Kansas has redeemed 10,000 coupons. Many groups also save for sets to give to pastors, missionaries, unfortunate families.

Coupons come in all these General Mills products: GOLD MEDAL "Kitchen-tested" ENRICHED FLOUR—WHEATIES—KIX—CHEERIOS—BETTY CROCKER CEREAL TRAY—SOFTASILK CAKE FLOUR—BISQUICK—CRUSTQUICK—BETTY CROCKER CAKE MIXES. Higher value coupons in larger sacks of Gold Medal Flour (2 lb. and 5 lb. sacks, 1 coupon value; 10 lb. sack, 2 coupon values; 25 lb. sack, 10 coupon values; 50 lb. sack, 20 coupon values; 100 lb. sack, 40 coupon values).

Good Cooks Rely on Gold Medal Flour

The baking qualities of Gold Medal Flour are uniform from sack to sack. You can count on every cupful—every time. Good cooks know this. It must be better—women buy more sacks of Gold Medal Flour than the next 5 brands combined. Silverware coupon plus folder of tested Betty Crocker recipes come in each of the 6 different size sacks.



Gold Medal Flour Makes Wonderful Bread!

"Betty Crocker" and "Kitchen-tested" are reg. trade marks of General Mills, Inc.

Patterns for All



4600
FOR DOLL
14-20"

*Doll's Clothes
Each from
One piece*

9290
SIZES
34-50

4600—Doll's wardrobe for a 14- to 20-inch doll. One pattern part for each garment. Yardages in pattern.

9290—Slenderizing frock with scalloped detail. Sizes 34 to 50. Size 36 requires 4 1/2 yards of 39-inch material.

9449—A practical, stylish dress with no side placket and no waistline seam. Sizes 14 to 20 and 32 to 42. Size 16 requires 4 1/2 yards of 39-inch material.

9411
SIZES
2-10



4694
S., M., L.

9411—Two dresses with one pattern. Sizes 2 to 10. Size 6 wing-sleeved requires 2 1/2 yards of 35-inch; other 2 1/2 yards of 35-inch; 3/4 yard contrast.

4694—Four aprons, sizes small (14-16), medium (18-20), large (40-42). Small size requires 1 1/2 yards of 35-inch material.

9479—Wrap-a-round brunch coat with scalloped neckline. Sizes 12 to 20 and 30 to 42. Size 16 requires 5 1/2 yards of 35-inch material.

9479
SIZES
12-20
30-42

American Artists Aid Crippled Children



This oil painting, "Kansas Pioneer Home," by Margaret Sandzen Greenough, of Lindsborg, will be put up for auction with 250 others at Topeka on December 4, for benefit of crippled children.

ARRANGEMENTS for the second auction for the Capper Foundation for Crippled Children are underway. The 1950 auction will be held in Topeka at the municipal auditorium Monday evening, December 4. To date, pictures have been donated from 35 states and the District of Columbia.

Kansans alone contributed 40 of the pictures, ranging from still-life and moderns to landscapes of familiar Kansas scenes. Among them are 2 lithographs by Birger Sandzen, Lindsborg, the dean of Kansas artists and 2 landscapes by his well-known daughter, Margaret Sandzen Greenough. Eight Wichita artists contributed as well as 17 from Topeka alone.

Charles Rogers, head of the art department at Bethany College, has sent a western landscape in water color.

Paintings also are arriving from such well-known out-of-state artists as Peter Hurd of New Mexico; Frederic Whitaker of Connecticut; Ernest Flene of Maine; Mervin Jules of Massachu-

setts; Hugo Ballin, California; James Carlin, New Jersey; Floyd Brewer, Minnesota; Rifka Angel, New York; Marion Terry, Florida; E. B. Quigley, Oregon. More than 250 paintings will arrive before the date of the auction.

Last year a similar auction brought \$7,500 for the benefit of crippled children in the Midwest. The Foundation yearly provides treatment for about 200 crippled children.

Catalogs containing reproductions of paintings now are available for free distribution, according to J. M. Parks, secretary of the Capper Foundation for Crippled Children. A copy of the catalog will be sent to anyone free of charge by writing Mr. Parks, Topeka. In order that all may have a chance to buy, it has been arranged for those who cannot attend the auction to select paintings from the catalog and mail their bids. A contribution to the Capper Foundation for Crippled Children will be considered a bid on a painting you select from the catalog.

It's Hominy Time Again!

SOME folks love hominy...the home-made kind, we've decided. Every fall, requests for the recipe begin to arrive in the home department. In 1945, we wrote the complete story of hominy-making together with several recipes for using hominy with other foods. So the demand for information may be satisfied easily, we decided to print part of the story again.

Best feature about hominy is that in frosty weather a large supply can be made at a time and if kept cold it will last many days. That is to say nothing of the economy. It's virtually free-for-nothing.

Usually white corn is used for hominy but that is mere custom. Yellow corn has a bit more food value, as all livestock men know, and it can be used without apology. A pressure cooker is a great timesaver when making it, but the same results can be obtained without one.

Homemade Hominy

2 quarts shelled field corn	1 pint cold water
2 tablespoons lye	1 gallon boiling water

Table Frills

Inexpensive and simple directions for effective decorations for the Thanksgiving table are given in our leaflet, "Thanksgiving Table Frills." There are suggestions for making a turkey, a haystack and candle decorations, from crepe paper, wire and paste. If you would like a copy of this leaflet, please address Entertainment Editor, Kansas Farmer, Topeka. Price 3c.

Wash the corn. Put the lye into an iron or granite kettle and add the cold water. When dissolved, add the boiling water and mix thoroly. Stir in the corn and bring to the boiling point. Boil 20 minutes, stirring constantly with a wooden spoon. If the mixture cooks down so thick that the corn begins to stick to the kettle, add more boiling water. Test some of the corn in cold water. If the eyes fall out when touched, the corn is ready to wash. All or part of the hull also will loosen. In case the eyes do not come off easily, boil a few minutes longer.

Remove from stove and wash with cold water, drain off water and repeat 4 or 5 times. The kitchen sink and running water are ideal for this step. The repeated washing removes all the lye. Do not put your hands into the water. Lye will erode aluminum and a granite kettle should have no chipped spots.

After the lye is washed off, work the corn with the hands until the eyes and hulls are removed. This completes the first stage of the process and the next part of the job may be completed the following day if you wish.

Cover the corn with cold water and bring to a boil, drain off the water and repeat this process 3 or 4 times. After the last boiling, cover the corn with cold water, add salt and boil for 3 or 4 hours. As the corn swells, add more cold water and boil until tender.

Actual cooking of the corn may be done in the pressure cooker but the time depends on type of corn and degree of hardness. Use your judgment as to time and finish with the lid off if it is not yet tender.

Pork dishes, fresh sausage and apples in any number of dishes are just right with hominy. When ready to serve the hominy, heat in hot frying pan with bacon drippings, salt and pepper.

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3 WAYS BETTER

... say Cookery Experts



"Easier to use" says Ida Bailey Allen, world-famous food authority and well-known radio and television personality. "There's no long waiting, no difficult 'special' directions to follow with Fleischmann's New Improved Dry Yeast. I've never known a yeast that works faster and is easier to use."



"Faster dissolving" says Natalie Scott, cookery expert and editor. "It gets to work in jig-time—no other yeast can top it! Just combine Fleischmann's New Improved Dry Yeast with water, stir it well and that's all there is to it! You're ready to start in half the time. It really is the finest yeast I know!"



"Faster rising" says Elizabeth Balmer, food authority and cookbook editor. "When you bake at home—you can depend on Fleischmann's New Improved Dry Yeast to cut down rising time, give finest results. It's more active than ever and stays active for months—just keep it in a cool dry place."

Yes—America's foremost cooking experts agree—no other yeast can beat wonderful Fleischmann's for speed . . . for convenience! It stays active for months when kept cool and dry. It will stay active even longer if you keep it in the refrigerator. When you bake at home, be sure to use Fleischmann's New Improved Dry Yeast.

AMERICA'S PRIZE-WINNING COOKS PREFER FLEISCHMANN'S YEAST

Impressions of A Home Agent

In the last issue of Kansas Farmer, Ida Hildibrand, home demonstration agent of McPherson county, told us of her travels thru England with the group of farm women on their way to Copenhagen, Denmark, to attend the meetings of the Associated Country Women of the World. Following are her impressions of the trip from England to her destination.

DEAR Editor: We left London for Brussels, Belgium, and found the railway station filled with holiday travelers, tourists and young hostellers, both girls and boys, with packs of clothing, all looking fairly unkempt, but happy. We read that many young folks are over here from many countries.

The train trip was pleasant with 4 women in each compartment with sliding doors, upholstered seats, embroidered headrests, pictures on the walls and signs about heat control. We enjoyed final glimpses of London, the great buildings, suburban homes with tiled roofs, fruit and flower gardens and the lovely English countryside.

It was good to disembark at Ostend, Belgium, and to see the gayer colors and healthier-looking people. After we were settled on the train to Brussels, we saw the well-kept farmsteads, solid brick and stuccoed buildings, tall narrow homes and the unbelievably tidy, tilled fields. Rows of tall trimmed trees and smaller ones coming up beside them are apparently a part of the rotation program to increase the lumber supply.

After viewing the 2 cities, The Hague and Amsterdam, the flower market and the wonderful Dutch farming country, we set out by train for our real destination, Copenhagen, by way of Western Germany, where we only stopped for passport inspection. When we were taken off the train at each border, particularly the Holland-German border, and herded into the customs building, we were reminded of many people of many lands who were herded like cattle into places from which there was no escape. The thought was chilling.

I do not mean the Germans alone have been guilty of such business, but I missed the warmth of human friendship, as we entered the occupied country. We ate on the train with the Germans who served us. There was the usual number of plates and the usual amount of tableware, too much, for all the people of Europe seem to do things the hard way.

Passing thru Germany the farms looked much the same as elsewhere, good brick buildings, tiny well-kept plots, hundreds of men, women and children harvesting potatoes.

The cities were beautiful, but we'd seen little in bombed buildings up to that time, altho the devastation probably was no worse than those which had been cleared. We were more than sorry for all the people suffering from the ills of war, both our allies and enemies.

—Ida Hildibrand.

Master Homemakers Go to Biloxi

Seven Master Farm Homemakers of Kansas attended their annual meeting at Biloxi, Miss., last week. The meeting was held in conjunction with meetings of the National Home Demonstration Council and the Country Women's Council.

Those who attended were Mrs. Joseph Dawes, Colby, president of the group; Mrs. John Ramsey, Benkleman, Nebr., Cheyenne county; Mrs. Frank Crase, Garden City; Mrs. Verne Alden, Wells; Mrs. Louis Schaulvliege, Jetmore; Mrs. O. M. Coble, Sedgwick; Mrs. Anna Hansen, formerly of Minneapolis, who now lives in Arkansas, traveled with her adopted state group to the Biloxi meeting.

Mistake and We're Sorry

We're apologetic always when an error creeps into anything that is read by our readers. We're especially sorry about the crochet leaflet for the ruffled doily No. 5901. A company in the East which printed these leaflets omitted part of the instructions. A complete new supply has been sent us and we have insofar as possible sent each one who ordered, a new revised leaflet.

If you have not received your corrected leaflet by this time, please drop us a card at once. Address it to the Home Service Editor, Kansas Farmer, Topeka.

For Fresh Lard

Lard rendered on the farm can be kept fresh for at least a year if about 3 pounds of vegetable shortening is poured into the rendering pot with the hot lard.

On the Brussels station platform was a mob of brightly dressed children, singing happily, accompanied by a few adults and round-hatted priests. We learned it was Liberation Day—World War I, a great day for the Belgians. More hostellers were taking their bikes up the escalators as we descended to the busses. On the way we saw a Harvest Parade, the usual fanfare, horse-drawn floats, filled with beautifully-arranged vegetables and fruits. And there was a Harvest Queen, too. We saw the usual immense ancient buildings, the wonderful flower beds in the many parks, the royal palaces. The people were kind and friendly, a few workers wore wooden shoes, which were new to us.

The next country was Holland, with her beautifully-farmed polders (reclaimed land), dikes and windmills, grand cities so clean after all the bomb damage, thousands of bikes carrying men, women and children. We saw the Peace Palace at The Hague, a beautiful, clean building in which only 23 international meetings have been held since its erection in the 1890's. There was a ghostliness in the atmosphere for the dream about which it was built has vanished in reality.

We visited Vallengdam and Marken. The first is noted for its quaint costumes, the type we think of at home as Dutch. Marken is even stranger as it is an island which was virtually isolated for nearly 1,000 years. On the way there we visited the flower auction where flowers are brought in by the millions, auctioned and flown to distant cities, even New York.

Dutch farming is wonderful. Every inch of soil produces and is conserved. The country is a big garden. There was terrible bombing in Rotterdam and Amsterdam, but all the debris has been carried away. I saw one little child running along a wall left from an apartment house, just as children at home run along a raised curb. Two of our guides had been in concentration camps.

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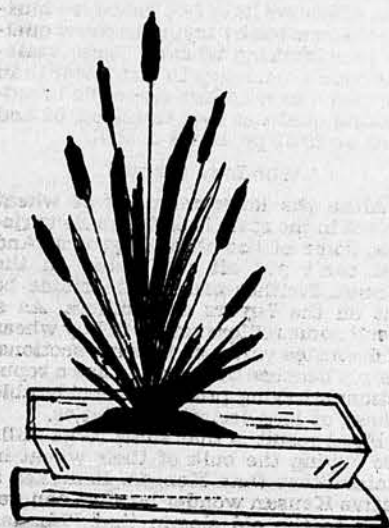
Use What You Have ... For Winter Bouquets

AT OUR very doors is the material for fall and winter bouquets. Popularity of these arrangements is increasing year by year and women everywhere are learning the technique of combining common garden and field plants in pleasing effects. Wheat, oats, dried Queen Anne's lace, thistles, cattails, goldenrod, mullein, bittersweet, milk weed pods, sumac, poppy pods, even sorghum heads... these are the things to gather. There may be others in your neighborhood, in your garden and along the roadsides.

For containers, look about for heavy ones, chopping bowls, baskets, pottery, pewter, old iron stone china. Since no water is needed for most of them, containers may be used that are otherwise useless.

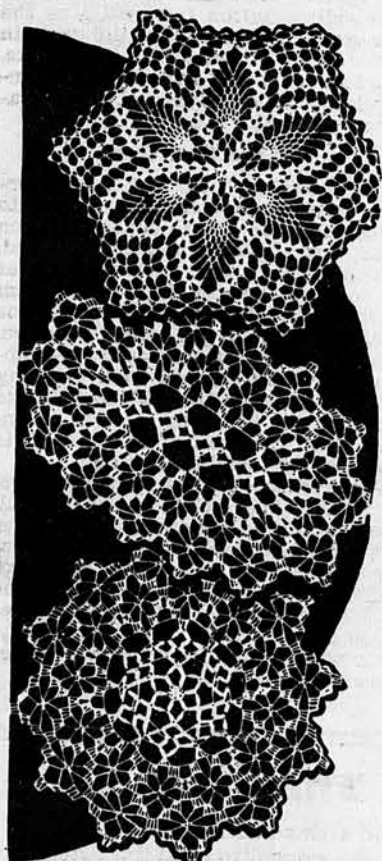
To anchor dried materials use the needle-point holder, but secure it by pouring paraffin in the container, then place the needle holder in the right spot.

Choose a low, oblong container for cattails. It may be necessary to weight the other side with brown pebbles but they will add to the attractiveness of the arrangement. Use about 7 cattails of different lengths depending on the size of the bowl.



An arrangement of cattails will outlast many other more fragile dried bouquets and is especially loved by children.

The Magic Three



Three days to make 3 new doilies! Easy, pretty and useful and can be made from leftover threads. Pattern 7311 includes crochet directions.

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

Bittersweet is one of the most beautiful of all dried plants. Arrange it in graceful lines with sumac heads. For the latter, gather before frost when they are that brilliant Chinese red. A handwoven basket is ideal for bittersweet in this combination.



Low flat arrangements of fall vegetables and fruits are right for the dining table on festive occasions. Gather some gaily colored tree leaves to combine with these. Place the leaves first, making a long oval which tapers to points at both ends. Add fruits, vegetables and pine cones if you have them.



Decorative gourds fit nicely in this arrangement. After picking, prick each one with a darning needle, then wax and polish. This takes the place of the shellac. Try a bright or unusual colored sorghum head among the leaves. Lay this arrangement directly on the table, or on a bright napkin or on a long turkey platter or tray.

As you go about the everyday outdoor tasks you will see other colorful plants and seed pods which can be used. Prove to yourself that you are aware of the beauty at your fingertips. Furthermore, promote a contest in your local club to develop talent among the members.

The Poet's Corner

Autumn's Return

Scarlet maples, a round harvest moon,
Nippy mornings, a hot sun at noon,
Campfire picnics and wiener roasts,
Halloween shocks, turkeys for Thanksgiving,
Ringing schoolbells, a new zest for living,
Frosted pumpkins, goldenrod decked with dew,
Crickets chirping, "bye," to the night-owl's answering "who,"
Bountiful harvests laid up in bursting bin—
Oh wonderful autumn, you're with us again.

—By Pauline Bender Rhoden.

Invitation

Does your heart go back to Kansas,
When the harvest moon hangs low?
Where the air you breathe is mellow,
And the wind comes soft and slow?

Then pack your bag and travel,
Wherever you may roam,
If you were born in Kansas
Then Kansas still is home.

—By Camilla Walch Wilson.

An Autumn Dream

If I were a giant, as tall as a tree
I will tell you what I would do,
I would search for the largest red apple tree
And lift children up for a view.

So they could sit high up in the top,
And look over fields afar,
Then watch the clouds go floating by
And wait for an evening star.

To eat all the good red apples they wished,
And see how a sun ray slants,
Then take their time just inching down,
Forgetting about seats of their pants.

—By Camilla Walch Wilson.

News to You?

AN ELECTRIC fan can do many household jobs around the house besides make you more comfortable. A fan placed at one end of an indoor clothesline will blow the family laundry dry. It will blow the kitchen floor dry after mopping just in case you're in a hurry. A fan in the home freezer will give you a quick defrosting job.

Do not use a copper or galvanized kettle when making pickles. The salt and vinegar react with the metal and make an undesirable flavor.

What influences you most in a change of food habits? Is it advertisements? Or a neighbor and friend? Is it the lesson learned in your home economics club? An Experiment station survey made some time ago reported that

friends and advertising are the 2 most influential factors in changing eating and cooking habits.

If you do considerable sewing a cutting board will serve you well. At notion counters in department stores you will find boards that open up to a size large enough to make an efficient working surface. Evenly spaced dots on the board make it easy to line up both the crosswise and lengthwise grain of the material.

If your iron cord is detachable, connect and disconnect it at the outlet rather than at the iron. Disconnecting the cord at the iron while the current is on may cause sparking. This in time will ruin the plug and may require replacing the connector terminals on the iron.

YOUR BUTTER-NUT COFFEE STRIPS BUY CHRISTMAS GIFTS FOR HOMELESS CHILDREN

MAIL YOURS
BEFORE DEC. 15



JOIN THE CHRISTMAS CLUB NOW! NO MONEY—JUST KEY STRIPS

You can help give thousands of homeless children a glorious Christmas this year, simply by saving Butter-Nut Coffee key strips and jar labels, then mailing them to us by December 15.

No money, please. We supply the purchase fund, basing it on the number of labels and strips received.

YOUR STRIPS WILL HELP

The Butter-Nut Christmas Club is a yearly event. Thousands of Butter-Nut customers send strips and labels. Many save the year around to have a big contribution at Christmas time.

Some of the finest work is done by groups. Huge boxes of strips come from schools, church groups, Sunday schools and clubs.

The Club started in 1937 and has grown ever since. Last year Butter-Nut customers provided for 35,000 gifts. These went to children's homes in all states where Butter-Nut Coffee is sold.

REALLY NICE GIFTS

The gift list includes sleds, dolls, books, games, marbles, jump ropes,

balls, jacks, wagons, roller skates, scooters, kites, teddy bears, and tons of nuts and candy.

LET'S REMEMBER ALL

Our goal is to see that each child in every children's home in all Butter-Nut states is remembered with a gift this Christmas.

Whether we succeed depends on you. It is your strips and labels that make up the fund that buys the gifts. Whether you save few or many, mail them in by December 15.

The modern children's home cares well for its children. But Christmas is something special. Let's not forget a single one this year. Let's give them all a wonderful Christmas!

HOW YOU CAN HELP

Start now saving Butter-Nut Coffee key strips and labels. Send them to the address below before December 15. If you wish them credited to a specific children's home, enclose name and address of the home.

Then... start saving strips and labels for next year!

Butter-Nut Coffee, 701 So. 10th St., Omaha, Nebr.



Butter-Nut
The COFFEE
DELICIOUS

Who Speaks for You?

There are many who would like to speak for farmers and in the not too far distant past they did, but that was before Farm Bureau provided a means for farmers to make their own decisions and carry their own program to Topeka and Washington.

The Kansas farmer today finds his problems interwoven with the problems of all other segments of our state, national and world economy. Each day decisions are made beyond the fence lines of your farm which will have a direct effect on you and the operation of your farm.

What Will You Do?

As a farmer in Kansas, these problems that affect agriculture are yours. You will do one of three things:

- (1) You will do nothing—letting other economic groups decide the destiny of your family and your farm prices.
- (2) You will try to do some of these things alone against competition that has been thoroughly organized and highly financed.
- (3) You will join your Farm Bureau—and choose to carry this load of farm problems in an organized way. When all farmers carry a part of the load, there is no load that cannot be carried, once the farmers themselves have determined the job to be done.

Join 56,000 Kansas farmers and nearly 1½ million members in 44 other states in the maintenance of a Strong United Voice for Agriculture!

Farm Bureau Membership Week
November 13-18

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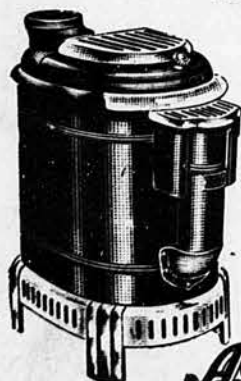
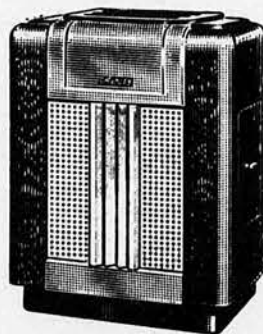
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High-Quality Wheat

(Continued from Page 4)

terms of potential bread-baking qualities.

The problem was assigned to the Grain Branch of the Production and Marketing Administration. Mainly it fell into the lap of Dr. Lawrence Zeleny, with the USDA. Work to develop a new test was begun in October, 1947. Three years of actual testing have been completed since the new sedimentation test was designed. This testing has been done at the Beltsville, Md., station and in conjunction with 3 commercial laboratories, one of which is located in Kansas City. Results have shown a very close correlation between the sedimentation test results and actual baking experiments.

Devised to Test Flour

The sedimentation test originally was devised as a test for flour quality. That is a clue to how it works: The sample of wheat is first ground in a moisture tester. Then it is sifted thru a 100-mesh sieve. The resulting coarse flour is mixed with distilled water containing acid fuchsin, and after 30 seconds of agitation is permitted to stand for 5 minutes. Dilute lactic acid is added to this mixture. After inverting the container 10 times, it is placed in an upright position and permitted to settle for exactly 5 minutes. After that settling time, the "sedimentation value" of the flour is read. This sedimentation value is the guide to gluten quantity and quality in the wheat.

It takes about 15 minutes to run a single test, but several can be run at the same time to speed up the process. And very little technical skill is required on the part of the operator.

As it now stands there is little chance that the sedimentation test can be used during rush seasons at the country elevator. Fifteen minutes still is too long to wait. But the test could be used to advantage at terminals to replace the presently used system of kernel identification and buying on the basis of variety, grade and protein content.

What Equipment Costs

Equipment required for the sedimentation test costs somewhere between \$150 and \$200 in comparison with several thousand dollars required for standard protein-testing equipment. To replace protein-testing equipment now in use at Beltsville would cost \$10,000 or \$12,000. And actual cost of testing the new way is just a few cents for each sample, about 3 per cent of the cost for each protein test.

For strictly comparable results the wheat used should have a moisture content of between 12 and 13 per cent. Corrections to be applied to sedimentation values when wheat at other moisture levels is used are being determined now by the USDA.

Before this sedimentation test can be used widely, it first must be accepted as a standard test for wheat. That process alone may require several years. But that lag in time will give farmers a chance to shift gears in changing wheat varieties, if shifting is necessary to get over to the type of wheat that will demand the best price.

Protein Content Varies

Look at the problem this way: The protein content of wheat varies from about 6 per cent to about 20 per cent, depending on climatic and soil conditions under which it is grown and upon the variety of the wheat. Commercial bakers usually demand a flour of only moderately high and rather uniform protein content in order to be assured of a continuing supply of flour that will produce bread of satisfactory and uniform quality. For that reason high-protein wheat usually demands a premium price. It is needed to blend with low-protein wheat for a uniform mix.

But even just the amount of protein is not enough. There regularly is a dif-

ference of 5 or 6 cents in price for various bins of wheat with the same protein content. That difference in price is due to the variety of the wheat, more exactly to the quality of gluten which governs baking quality of each.

Under old standards of wheat buying, it has been practically impossible for a farmer to gain a premium for growing high-protein wheat even with desirable gluten quality. A farmer in the same community growing a less desirable wheat gets the same price. For all practical purposes, these two farmers get an average price of what the miller can pay for the two grades of wheat.

An instantaneous test for wheat quality at all country elevators could, of course, work for an eventual change in price standards. This would permit payment for each load of wheat delivered on the basis of its breadmaking qualities.

Some elevators have tried buying wheat on the basis of variety. Some have even refused to buy wheat of low breadmaking quality. Some have threatened to dock on the price of these wheats. But another bug has reared its ugly head here. Price supports. As long as the price of wheat is supported by the Federal Government largely on the basis of test weight for each bushel, many farmers have felt they were hurting themselves by trying to grow quality breadmaking wheats. These varieties have a tendency to test lower than the varieties with less-desirable breadmaking qualities that tested 62, 63 and even up to 65 pounds a bushel.

Who Is to Blame?

Altho the large majority of wheat grown in the state is of desirable varieties, some of the other is grown. And you can't put all the blame on the farmer. Neither can all the blame be put on the buyers and millers. As a result some millers refuse to buy wheat of desirable varieties in some sections, simply because that section has a reputation of having produced considerable wheat of less-desirable varieties.

Final result is that some large mills are buying the bulk of their wheat in states other than Kansas. It makes a native Kansan wonder how we can get back to the old slogan that "Kansas Grows the Best Wheat in the World."

This new sedimentation test may help make a difference, if and when it is accepted as a standard test of wheat quality. In a matter of minutes at low cost the breadmaking possibility of wheat can be determined. And it doesn't matter whether wheat being tested is one variety or a mixture of several. This sedimentation test will give the average quality picture of the grain in terms of quality or loaf it will make. This test could well supersede the commercial practice of kernel identification now widely used.

Not the Last Word

But it still isn't the last word. Perhaps it is more a finger pointing to things that are due to come. An even faster test of wheat quality is needed. One that can be used with accuracy at the country elevator even during rush seasons when trucks are lined up for blocks waiting to get onto the scales.

One large miller has posed the problem aptly. He warned men working with the question that it was just like butting their heads up against a concrete wall. But, he concluded, there is a hole in that wall somewhere.

What research men in grain marketing must do is find that hole in the wall. They must find a new, instantaneous test for wheat quality. When that test has been found and made standard, just watch the scramble to produce the kind of wheat that will bring a premium price because of gluten quality. Gone will be the bickering over varieties and test weights.

Sound Waves Thru Soil

LONG ago, Serbian shepherd boys found a new and unusual use of soil. They would push a knife blade into the ground to establish listening posts, according to Michael Pupin, a serb who became an American inventor. By putting an ear to the hilt, the lads could follow the movement of flocks and detect the approach of marauders. They also sent and received simple messages, using the only means at hand of being heard afar with some privacy, according to the Bell Telephone System's 1950 almanac.

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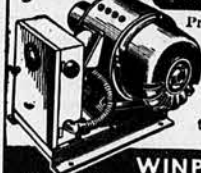


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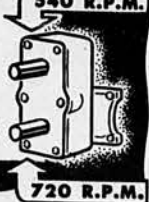


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Behlen Mfg. Co. Dept. 308, Columbus, Nebr.

Farm Homes

(Continued from Page 9)

tricity, already available to three fourths of our Kansas farms, is offering a perfect opportunity to completely modernize home and farmstead. Today's farmer realizes comfort and happiness of his family are essential parts of the security for which he works and on that basis the home assumes a new importance. When improved housing is being considered, the farm family is on very substantial footing. Buying refrigerators, electric ranges, furnaces, plumbing equipment, lamps, motors and machinery by farmers has brought prosperity to the Midwest.

To date, most improvements in the Kansas farmhouse consist of detail improvements within the remodeled house. Even when building new houses most of us still cling to our old ideas of what the outside of the house should look like. We realize that to make a modern car look like a buggy would be ridiculous. We also realize a modern furnace in every room replacing the old wood stove would be a waste of money. But we have yet to realize that the best new planning and construction techniques—if they are to give more strength, better insulation, more convenience, and save money—also will cause the house to look differently. As a result, many of our homes being built today are imitations of some traditional house. Only as we realize our tradition of good architecture in Kansas is in method of planning and construction, not in external styling, will we be ready to take full advantage of housing improvements as they develop.

New Ideas at Hand

Rather than attempting to predict future developments in farm housing, it would seem more prudent to merely list a few of the possibilities now available, but not yet generally accepted by today's home builders. The general public traditionally is slow in taking advantage of new ideas in housing. These ideas, with a few modifications, will be the general trend in housing in 1970.

First of all, the big increase in labor-saving equipment demanded for new homes will make cost savings elsewhere necessary. Flexible housing with fewer, larger rooms or folding walls is one answer to this problem. As areas are planned for more than one use, the number of rooms and total area in the house can decrease. Thus, total cost can decrease without loss of conveniences.

As long as people move about in homes, there will be trafficways. More and more, people are realizing that control of these trafficways, so they do not destroy living areas, is at least as important as room arrangement in determining convenience.

The current trend toward bigger and bigger windows will continue as people discover that, properly installed, large glass areas can improve lighting, retain complete privacy, and actually reduce fuel bills by solar orientation.

Prefabrication, already standard procedure for most household equipment, will be used more and more in construction of the house.

Protect Against Fire

Fire-resistant materials which need no outside paint or inside papering will cause a basic change in the farmstead as well as the house. As the owner realizes fireproof construction and an automatic water pumping system give far better fire protection than his present method of scattering buildings, farm buildings will tend to be grouped closer together. Savings in electrical wiring and a decrease in necessary walking will be added advantages.

Modular co-ordination principles can now eliminate much cutting and wasting of construction materials. New wood, metal and masonry products are available to take advantage of these principles. Clear span low roof construction, made practical by improved insulations, can give stronger roofs for less money and eliminate interior bearing walls at the same time. Slab construction, storage walls, acoustical materials, new kitchen and bathroom equipment, sun, wind and weather orientation, and many other developments now available make possible a better home for less money. Even landscaping, properly planned, can become useful as well as beautiful. Possibilities in home building today seem almost unlimited except for willingness of the future builder to accept new ideas.



Pat gets \$500 proof!

Now AN AUTHORIZED RECONDITIONED FORD TRUCK ENGINE SAVED THE DAY FOR THIS FRUIT AND PRODUCE HAULER...AND IS STILL GOING STRONG AFTER 42,000 TROUBLE-FREE MILES...

PAT'S IN A JAM... HE SEES HIS FORD DEALER

I'VE GOT A \$500 LOAD OF TOMATOES TO MOVE TO MARKET. MY TWO NEW FORD TRUCKS ARE BUSY...WHAT CAN YOU DO ABOUT MY '39 TRUCK?

AN AUTHORIZED RECONDITIONED FORD ENGINE! AND, PAT, "AUTHORIZED" MEANS YOU'RE GETTING FACTORY-SPECIFIED STANDARDS!

HE SHOWS PAT WHAT HE MEANS...



THIS PHOTO IS AN EXAMPLE OF THE KIND OF EQUIPMENT USED IN AN AUTHORIZED RECONDITIONER'S PLANT. THIS MACHINE TESTS FUEL PUMPS...PRESSURE, AND OUTPUT IN CUBIC CENTIMETERS PER MINUTE!

NEXT DAY...

TOM, THAT WAS A FAST JOB. AS SHOP FOREMAN, WHAT DO YOU THINK OF AN AUTHORIZED RECONDITIONED FORD ENGINE?

THE BEST! WITH AN AUTHORIZED ENGINE ALL WEARING PARTS ARE REPLACED WITH RECONDITIONED OR NEW GENUINE FORD PARTS... BLOCK, PISTONS, RINGS...EVERYTHING. AND THE RECONDITIONER GUARANTEES IT AGAINST DEFECTS FOR 4,000 MILES OR 90 DAYS

A YEAR LATER... AS PAT CHECKS OUT HIS '39 FORD TRUCK...

THAT AUTHORIZED RECONDITIONED FORD ENGINE HAS GONE 42,000 MILES SINCE IT SAVED THE DAY AND GOT THOSE TOMATOES TO MARKET LAST YEAR. GOOD DEAL, EH?

SURE WAS, PAT. WE'VE BEEN RUNNING THIS TRUCK SOMETIMES 20 HOURS A DAY...AND WE HAVEN'T HAD A SINGLE BREAKDOWN!

FORD CAR OWNERS! AN AUTHORIZED RECONDITIONED FORD ENGINE AND ENGINE ACCESSORIES ARE YOUR BEST BUYS, TOO. BE SURE TO LOOK FOR THE AUTHORIZED RECONDITIONER'S EMBLEM.



INSIST ON THE ORIGINAL VERMEER

POW-R-DRIVE

GRIND AND SHELL FASTER AND EASIER ANYTIME... ANYWHERE

The Vermeer "POW-R-DRIVE" is the original portable power take-off drive for hammermills and shellers. Thousands in use... farm tested and proved for over two years. For fast trouble-free grinding and shelling operations, insist on the original drive... the Vermeer POW-R-DRIVE. Eliminates long flat belt drives, dragging and staking down. Fully adjustable to fit all hammermills and shellers. Simple to install. Fully guaranteed. See your dealer or write today for FREE circular and prices. Dealer inquiries invited.



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AVAILABLE Everywhere

OMAHA STANDARD BODIES

COMPLETE STOCK OF BODIES and HOISTS AVAILABLE At All the Following DIRECT FACTORY BRANCHES All Branches Located at Stockyards
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- GRAIN TIGHT—BULL STRONG
- BUILT to outlast any truck—Take more road and load punishment
- SUPER-STRONG, Flexible hardwood body—Edge grain floor. No exposed nails.
- All lengths for all trucks
- For over 20 years the Truckers Standard! Often copied—never equalled!



STOP SCOOPING! DUMP YOUR LOAD! **Omaha Standard 10 TON UNDERBODY HOIST** Mounts under all bodies, 9 feet to 16 feet.

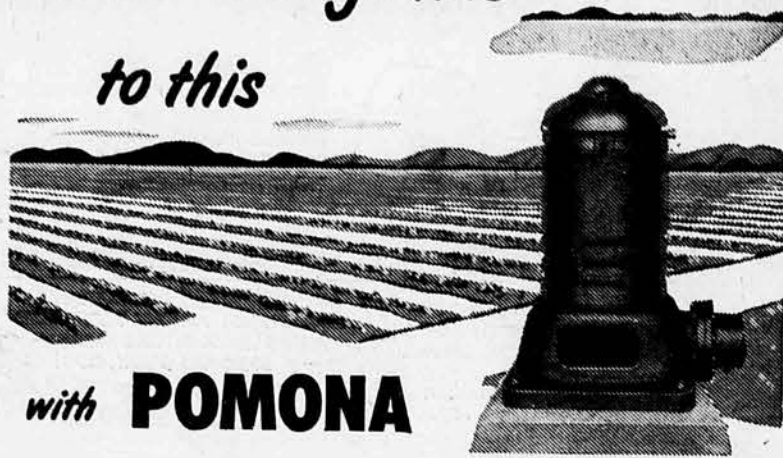
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You can change this

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with POMONA

Yes, with a Pomona Deep Well Turbine Pump and modern irrigating methods, you can vastly increase your acreage yields. You can control the amount of water your crops need for best growth. No longer will you be forced to depend on the weather.

The Pump is the heart of any irrigation system, and that's why the

dependable Pomona is the choice of wise farmers everywhere. They know they can rely on Pomona for trouble-free service . . . for all the water they need at lowest pumping cost per gallon.

Check your pump requirements with your Fairbanks-Morse Pomona Pump Dealer. Fairbanks, Morse & Co., Chicago 5, Illinois.

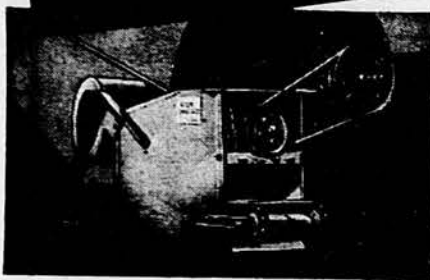


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a name worth remembering

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

Clean Corn



QUICKLY PAYS FOR ITSELF

The Cook Shucker gets all husks, gets all silks. Ideal for corn borer infested fields. Will clean all corn, including nubbins, at any stage of maturity. All shell corn is saved and returned to the wagon elevator. Save precious storage space and have your corn in perfect condition for sealing. Comes complete with nothing extra to buy. The Cook Shucker is the picking bed designed to fit Case Model P, New Idea #8 and General Implement single row corn pickers. For further information and literature write today to:

COLUMBUS STEEL FABRICATING CORP.

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Columbus, Nebraska

STOPS FIELD BLOWING



With the
**DANSCO
ROTARY HOE**

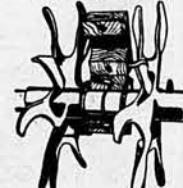
Break that crust and give new life to choked plants and retain more ground moisture. The Dansco Rotary Hoe is time tested and proven in all Midwest wheat producing areas. Available with Cast Wheel or All-Steel.

See your **DANSCO** Dealer today or write for full information.

DANSCO
Farm Equipment Company
123 W. Park Enid, Oklahoma



CAST WHEEL



STEEL WHEEL

You'll Know More

(Continued from Page 5)

in the making, and the additional and new taxes and controls necessary to effect it, and at the same time hold down the inflation that additional government spending will breed, may not be given to the public until January, when the new Congress convenes.

But some "supplemental" defense estimates of additional money needs running into billions probably will be submitted to the "lame duck" session of the 81st Congress. When this Congress recessed a month ago for the campaign, it resolved to meet again November 27. But the White House indicated 10 days or so ago that Congress might be called into special session about 2 weeks earlier. Such a call would have one alleviating condition, from the viewpoint of Congressmen's pocketbooks—if the President calls a special session, they get mileage. If they return in accordance with the Congressional resolution on the November 27 date, no additional mileage allowance.

The "supplemental" billions for the military program, whether asked in mid-November or late November, will act as a spur for new tax proposals to be presented to Congress. Right up until election day, Washington believes, the picture will be more roseate in color tones than will be the more realistic picture to be thrown on the screen by New Year's. The Russian menace will be really menacing, even horrifying, by that time.

Latest military estimates on the defense program now are commonly accepted as around 50 billion dollars. President probably will slice these moderately in the requests sent to Congress this year for the fiscal year starting next July 1. But these will not be the final estimates for that fiscal year. As the world situation "worsens," estimates will be hiked. Some of the more optimistic military minds—and more pessimistic civilian thinking—envision the military total going to 75 billion dollars, providing it is the only threat of Russian action foreseen in the immediate future.

Of course, if the threatened "multiple-Pearl Harbor" attacks come, outlays will far exceed those of World War II, which just failed passing the 100-billion-dollar mark in any one year. For one thing, the shrinking value of the dollar will require half again as large expenditure, even if the dollar drops only to one-third of its pre-World War I value.

Last week stocks on the New York exchange took what commentators at the time called an "unexplained" drop that "wiped out" some 2 billion dollars in market values. Rumors, or predictions from "tip" services that give their clients "information" may have been responsible for the market drop.

General tone of these tips, or predictions, might be summarized somewhat in the following:

Instead of the 2 or 3 million men in the Army, Navy and Air forces by next fall, 5 or 6 million by early 1952.

Next summer drafting of 18-year-olds, instead of the 19 figure in the present conscription act.

Very likely authority—perhaps on a stand-by basis (discretion of the President)—for universal military service for all citizens, instead of just those within present draft-age limits.

Enactment not later than early weeks of 1951 of a drastic excess-profits tax (probably called a war tax) on corporations, retroactive to last October 1, possibly but not certainly retroactive to July 1, 1950.

Early next year another increase on individual income taxes, above that which went into effect last October 1.

Restrictions on all kinds of private construction, going much further than those on "amusement" construction promulgated last week.

More, and more severe, limitations on civilian supplies (inventories for business; reserves (hoarding) for consumers) of strategic materials; and strategic materials is an elastic term that could go to almost everything except the "softest" of consumer goods.

Further restrictions on credit of all kinds, including ordinary retail charge accounts, mortgages on existing residences, and so on.

Limitation of the supply of civilian "non-essentials"—a very broad term—including automobiles, gasoline, tires; this despite the present encouraging words that there will be plenty of tires and plenty of gasoline, altho of poorer quality.

And, not least, control of prices, profits and even wages—after the unions have had "reasonable" opportunity to get wage contracts for from 10 to 15 per cent increases; 20 per cent against large integrated industries.

Except by some old fuss-buddies who always see the clouds without any possibility of silver linings, talk of consumer rationing is being frowned upon, until after the consumers have been conditioned to the other controls.

Farm troubles will be largely the pinch from shortages—especially labor shortages; and insecticide shortages due to military needs for the chemicals that go into insecticide preparations. And, of course, farmers as consumers will be hit by all the other restrictions, controls and scarcities. The Department of Agriculture has the job of seeing that sufficient steel and other materials for farm machinery and equipment are allocated to manufacturers.

The farm production programs on the whole will be with the sky as the limit. In anticipation that the United States will be called upon to help bountifully in feeding allies all over the world, and that Russian submarines, when the "night" outdated parlance was der Tag, the day—comes will take heavy toll of shipping. Farmers will be urged and will receive incentives for greatest production of foodstuffs in all history.

INTERNATIONAL LIVE STOCK EXPOSITION AND HORSE SHOW

Union Stock Yards—Chicago—Nov. 25 to Dec. 2, 1950

\$100,000 IN PRIZES

Plan Now to Attend

Spectacular Horse Shows Daily
Cariots Fat Cattle, Sheep and Swine
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Lowest prices—FARM-RANCH SUPPLIES

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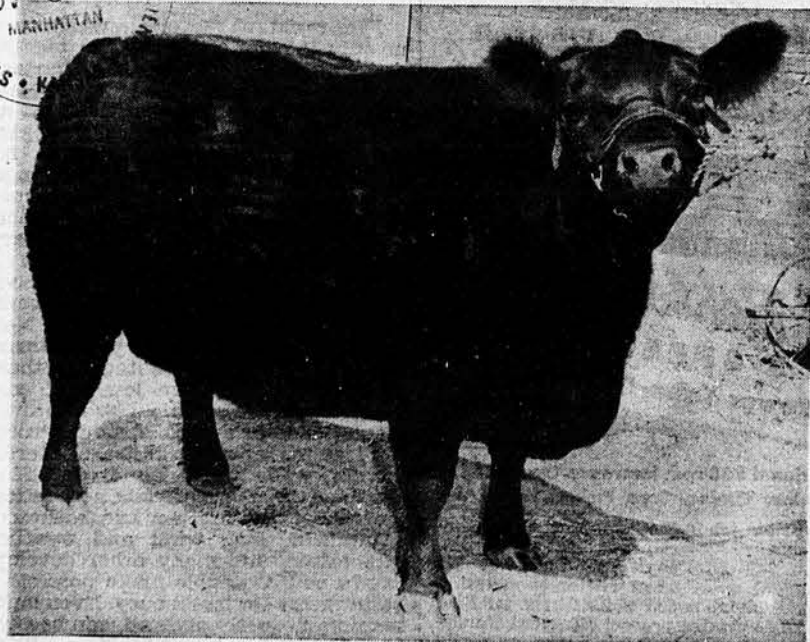
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Grand Champion Angus



TAKES TOP HONOR: Georgina Erica of Blackpost, shown by Blackpost Ranch, Olathe, was judged grand champion Aberdeen-Angus female at 1950 Kansas State Fair, Hutchinson.

Double duty dose!

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CLOSTRIDIUM
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ONE VACCINATION
PROTECTS
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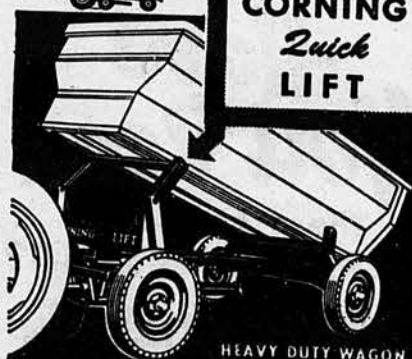
The modern "Rapidigger" for Ford, Ferguson tractors. No gears, drive-shaft. Revolutionary invention. Guaranteed Performer. Write for information.

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BACK UP
AND
DUMP LOAD!

YOU GET
MORE
IN A
CORNING
Quick
LIFT



HEAVY DUTY WAGON

Brand new, the Corning Quick Lift Wagon features an amazingly simple built-in lifting device that unloads in a jiffy. Saves countless work hours and extra wages and takes all the hard work out of unloading.

The Heavy Duty Corning Quick Lift is the strongest and most practical all-steel wagon on the market. Accommodates all standard wagon boxes and has extra wide tread for easy field maneuverability. The ideal wagon for any farm, large or small. Every owner is a Corning Quick Lift booster.

Available in either 15" or 16" steel disc wheels.

It doesn't COST — It PAYS to own a Corning Quick Lift wagon. See your dealer today.

When you think of wagons think of...

NEW MONARCH MACHINE & STAMPING CO.

406 S.W. 9th St., Dept. K7, Des Moines, Iowa

Please send me complete details on the Corning Quick Lift wagon that dumps its own loads.

Name _____

RFD or BOX NO. _____

City _____

State _____

Marketing Viewpoint

By Paul L. Kelley, Dairy Products; Harold M. Riley, Livestock; Joe W. Koudele, Poultry and Eggs; Leonard W. Schruben, Feed Grains.

Are hog prices likely to drop much further? I have some shoats that are still a little light (190 pounds) and I'm wondering whether I shouldn't go ahead and sell them?—H. B.

The major portion of the fall decline in hog prices probably has already occurred. The sharp \$5 to \$6 price drop since late August has carried hog prices below \$20. Even the further seasonal expansion in hog marketings is expected during November and early December, it appears that present \$19 to \$20 prices reflect most of the seasonal decline in hog prices this fall. The pig crop now moving to market is 3 per cent larger than a year ago when pork supplies became quite burdensome and prices finally reached a low of about \$14 to \$15.

Increased employment and greater purchasing power in the hands of consumers this fall is strengthening the demand for meat and will tend to prevent hog prices from dropping as low as they did last fall. Altho hog prices may continue to weaken moderately, carrying your shoats up to weights of 220 to 240 pounds probably would be a profitable operation. Corn prices are expected to decline seasonally during the harvest period and as a result the feeding ratio may improve even with some further weakness in hog prices.

Is there any agency working for the poultry industry to promote increased consumption of eggs and poultry by better merchandising methods?—H. R.

The poultry industry has an official educational and promotional agency called the Poultry and Egg National Board, representative of all branches of the industry. It carries on an intensive campaign to create a better market for poultry products. Among its activities are the following: It maintains an experimental kitchen where home economists develop new uses for poultry products; it publicizes poultry and eggs in newspapers, magazines, educational films and over the radio; it distributes recipe books to consumers and stages cooking demonstrations.

What can I expect the trend for fluid-milk prices to be during winter months?—H. K.

Slight increases in fluid-milk prices are probable for the next month or two. After that some seasonal increase in supplies probably will tend to modify any tendency for price increases. Partially offsetting any price increases for fluid milk is the rising cost of production, particularly labor. No announcement has been made of any change in the government's price-support program for dairy products. This program ends March 31, 1951, and it would seem likely that some announcement of the government's intentions regarding this program would be forthcoming during the next few months.

I have 60 bushels of mung beans and so far no market for them. Do you know of a market?—S. A.

Mung beans can be used for livestock feeding in the same way soybeans are used. They are usually coarse ground and are used as a protein supplement.

There is no market in Kansas as far as I know. This bean is ordinarily grown further south. You might be able to sell the supply you have for feeding purposes or they could be sold to livestock feeders as a protein supplement. The price per bushel would be about the same as for soybeans.

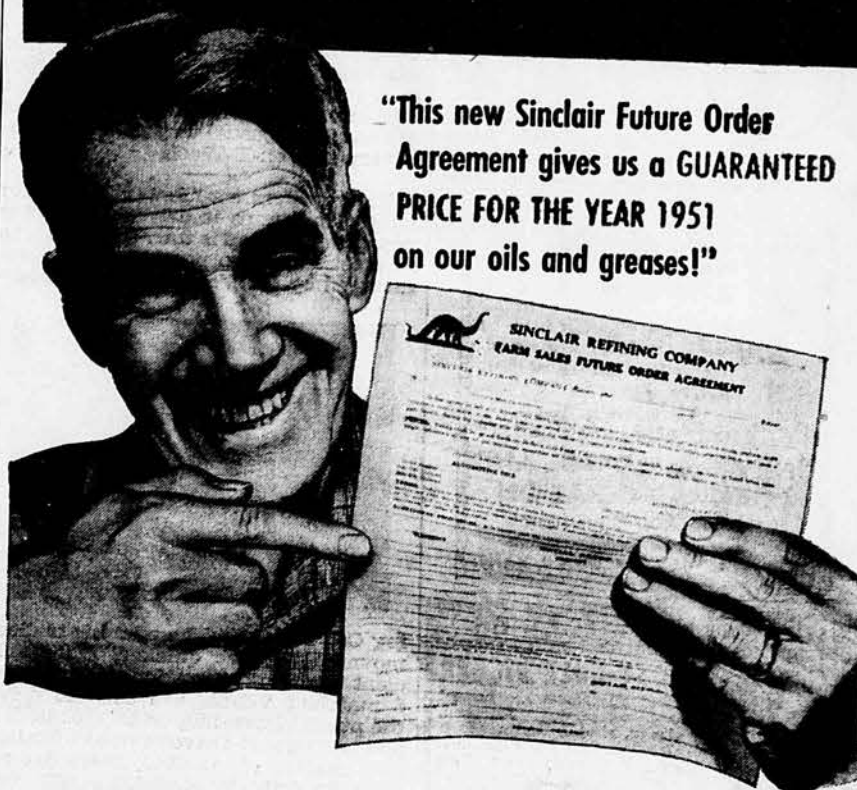
November Programs

"Thankful Hearts," 5c—playlet; characters 2 girls and 5 boys, an announcer and a chorus.

"A Harvest Party," 3c—suggests invitation, games and refreshments.

These leaflets were prepared for an entertainment or program at church, school or club. Your order will be given prompt attention if you address Entertainment Editor, Kansas Farmer, Topeka.

WHY WORRY ABOUT PRICE RISES



"This new Sinclair Future Order Agreement gives us a GUARANTEED PRICE FOR THE YEAR 1951 on our oils and greases!"

By ordering now the fine Sinclair Oils and Greases that you will be needing later on—you can protect yourself against possible price rises. For Sinclair's new Farm Sales Future Order Agreement absolutely guarantees the price to you for the full year 1951. Delivery is made to you where, when and as you desire. So... save yourself lots of worry and possibly substantial money—phone your local Sinclair Representative today... and order sufficient quantities for 1951 of these Sinclair oils and greases:

SINCLAIR OPALINE® MOTOR OIL

SINCLAIR PENNSYLVANIA
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Watch
for New
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OILS AND GREASES

Western Land Roller

CENTRIFUGAL
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FOR
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AVAILABLE WITH
Direct Connected Electric
Motor, Flat or V-Belt
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ANY CAPACITY
300 TO 2500 GALLONS PER
MINUTE, AND ANY LIFT FROM
10 TO 300 FEET

WRITE FOR
INFORMATION

MANUFACTURED BY
Western Land Roller Co.
HASTINGS, NEBRASKA

I go up to 15 M.P.H. on my old tractor with a BEHLEN GEAR BOX

for old model
John Deere A or B
or Farmall F-20,
F-30 or Reg. Model

Speed up your old tractor. Go 9 and 15 m.p.h. on your old model John Deere A or B. Two separate, additional speeds. On Farmall F-20, F-30, or Regular Model, you can do 14 to 15 m.p.h.; or if you prefer, you can have 10 m.p.h. gear box for F-20 or for Regular Model. Installed with or without Lift-All Pump. Does not interfere with present gears. At your Behlen dealer; or write today for full particulars. State make and model of tractor.

for Farmall

Behlen Mfg. Co., Dept. 908, Columbus, Nebr.



Have you heard—?

Notes on New Products and Folks Who Make Them

HERE'S news of a car wax that can be applied while the family car is being washed! The car can get a coat in less than 30 minutes without rubbing or polishing. Chemists of C-Z Laboratories, a division of Allied Home Products Corporation, Beloit, Wis., have made extensive user tests. The car washer merely dissolves a solution in a small amount of water. Then he dips in a soft, lint-free cloth and washes the car in the usual way. The new discovery is Wax-E-Wash.

The new Vermeer "Pow-R-Drive" for irrigation pumps is driven by tractor power takeoff and is fully adjustable to fit most irrigation pumps. It is manufactured by the Vermeer Manufactur-

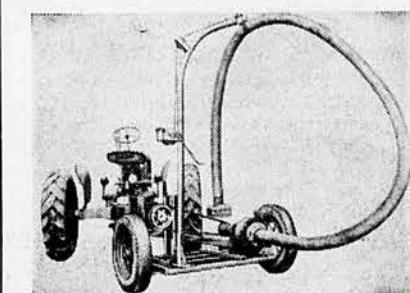
sign advancement is the uniting of the picker with the Ferguson System hydraulic control. This permits raising and lowering gathering points by a simple movement of a fingertip-control lever. New models are currently available thru local Ferguson dealers.

The Maquoketa Company, of Maquoketa, Ia., manufacturers of hydraulic loaders, have a new item on the market. It's a model of their Midwest Powerplus loader. It is built especially for the 1950 Oliver tractor or other tractors equipped with a 2-way hydraulic system. Model 500 operates easily from the tractor-operated system. It has fingertip control, no clumsy overhead equipment and positive bucket-closing device. Its lifting capacity is over one ton.

Dearborn Motors, Detroit, Mich., national marketing organization for Ford Tractors and Dearborn Farm Equipment, has designed a new "Economy Plow" to reduce substantially costs of plowing. The plow has "razor blade" shares which can be used and discarded like razor blades. Their cost is far below conventional shares and they last and plow as long, it is reported. Another feature of the new plow is bottoms that can be used in hundreds of types of soils. This eliminates need for many farmers to buy various type bottoms to meet varying soil conditions on their farms. A replaceable shin piece greatly increases the life of the moldboard.

Knoedler Manufacturers of Streator, Ill., announce a new portable, weather-proofed crop-drying fan—the Knoedler Crop-Drier. This new fan is capable of delivering 20,000 cubic feet of air per minute. It can be used to efficiently dry hay, ear corn, shelled corn, small grains and all forage crops. The unit measures only 43½ by 43½ by 12 inches, can be easily moved about the farm. No belts or pulleys are needed. In actual tests, the fan dried hay at a cost of less than 80 cents a ton and corn at a cost of less than ½ cent a bushel.

Farmers will appreciate the many features of a new electric lantern, writes the Delta Electric Co., of Marion, Ind. It's called the Power-King. A 12-volt, all-purpose unit, it will throw a beam of light a quarter of a mile. Its large silver-plated reflector gives plenty of side light for close-up work. The lantern's adjustable head swings vertically to give light at many different angles. It weighs only 5¼ pounds, complete with batteries. It's compact, easy to store—9½ inches long, 4½ inches wide, and 9 inches over-all.



ing Co., Pella, Ia. The pump is trailer-mounted to give quicker, more efficient pumping operation. Either 4 or 6 matched V-belts are used to drive the pump, depending on tractor horsepower. "Pow-R-Drive" can be installed in a matter of minutes; there are no holes to drill. It eliminates long, flat belt drives, belt slippage, dragging and staking down.

Here's a new all-purpose farm elevator. The New Idea Division of Avco Manufacturing Corporation calls it the No. 175 Elevator. They say it has 3 major advantages for farmers: (1) Its ability to handle anything; (2) its easy maneuverability and convenient adaptability; and (3) its lifetime construction. It has a roomy (17½ inches wide) trough which safely carries baled hay, filled sacks and similar bulky loads. Also featured is a closed return trough which prevents loss of loose grain or shelled corn. Lengths range from 26 to 50 feet. One man can handle heaviest storage jobs.

Harry Ferguson, Inc., farm implement line has just added their 1950 Belle City corn picker which features more than 30 new improvements. These give the new picker an unusually wide range of maneuverability and adaptability to meet varied conditions of season and locality. An outstanding de-

Good Start for Wheat



WHEAT SEEDING was late in Eastern Kansas this year. Only about 50 per cent of the acreage was in by October 10, according to Hubert L. Collins, Federal-State statistician for Kansas. But seeding in Western Kansas was nearly complete. Early-seeded wheat shows good germination and growth in all parts of the state.

Be sure
when you
CURE!

FARM FOLKS FAVOR



Sugar at its best!

Only
\$498



OTTAWA
Mule Team Tractor

Finest low-cost tractor. Costs too little to do without. Engines burn gasoline or kerosene. Starter and lights available. Other larger models to choose from. Over 4,000 in world-wide use. Time-proved, tested. At low cost they easily mow, plow, dig, harrow, plant, cultivate, etc. Sold only direct to user. FREE details. OTTAWA MFG. CO., 2-011 Garden St., Ottawa, Kan.

Have You Read These Articles on TRACE MINERALS?

- "Are We Starving to Death?"
The Saturday Evening Post, September 1, 1945
- "Just a Trace May Help Your Stock"
Country Gentleman, August 1948
- "Good Medicine that Comes in Small Doses"
Nation's Business, December 1949
- "Plants Won't Grow Without Them"
Successful Farming, February 1948

These feature articles, which appeared in the past few years show what has been happening to our soils . . . to our livestock . . . to animal health and thrift for lack of sufficient trace minerals. Don't let Hidden Hunger cut your livestock profits. Feed Morton's Trace Mineralized Salt. Morton Salt Company, Chicago 90, Illinois.

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



TODAY'S BIGGEST BARGAIN

MODEL H POST HOLE DIGGER
Fits all tractors. Lowest price on market. All steel, strong, simple design. Digs clean vertical holes on hillside. Easy, fast mount. Two men can do 10 days of back-breaking work in 1 day.
\$12950 F.O.B. Factory
Cut fencing costs and save much time. Order direct from this ad and give the name of your implement dealer.

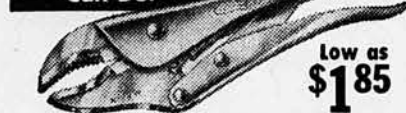
WINPOWER
NEWTON, IOWA

The BEAR CAT
COMBINATION
Grain and Roughage Mill
also Ensilage Cutter



Grinds any feed—green, wet or dry. Snapped or ear corn, roughage bundles or bale flakes and no monkey business. It really grinds, and with ordinary farm tractor. Has both cutter head and heavy swing hammers. Adjustable Drop-Apron Feeder works in any position from ground to truck bed height. Get full information on this real honest-to-goodness Bear-Cat Grinder. Four sizes. Write—Western Land Roller Company, Box 136 Hastings, Nebr.

Genuine
VISE-GRIP
WRENCH
Does Jobs
No Other Tool
Can Do!



It LOCKS to the work with more than Ton-Grip! Turns stubborn studs, nuts, battered screws, etc.—holds broken parts, makes "clamp-on" handle, in emergencies—cuts heavy wire or small bolts. Keep one on every tractor, truck and car. Has these exclusive features:

Involute Jaw Curve holds all shapes with unbelievable ease. Knurled Jaw Tips grip to the very tip. Thin Nose, Super Wire-Cutter.
With Cutter.....No. 7W — 7-in.....\$2.25
No. 10W — 10-in.....2.60
Without Cutter.....No. 7C — 7-in.....1.95
No. 10C — 10-in.....2.25
Also world famous straight jawed model:
No. 7 — 7-in.....1.85
No. 10 — 10-in.....2.15

Order from your dealer.

Manufactured Only by
PETERSEN MFG. CO. INC.
Dept. KF-11 DeWitt, Nebr.

What Kansans Did At American Royal

KANSAS wasn't represented at this year's American Royal, in Kansas City, by very many breeders but those who did enter made up in quality for lack of numbers.

Top placings for Kansas exhibitors were as follows:

Fat carlot cattle (all breeds)—15 head grain-fed steers weighing 1,000 pounds or under, Dan Casement, Manhattan, 2nd and 3rd; carload feeder steers 1 year old and under 2, Andy Olson, Council Grove, 2nd; carload feeder steers under 1 year old, Dan Casement, 1st; carload feeder heifers under 1 year old, Joe O'Bryan, Hiattville; champion load of feeder cattle, Dan Casement.

Aberdeen-Angus—Carload 20 head feeder steers 1 year old and under, Andy Olson, Council Grove, 1st; Heart Cattle Co., Sedan, 2nd and 3rd; carload 20 head feeder steer calves under 1 year, Fred Claussen, Russell, 2nd and 3rd.

Hereford—Carload 15 head grain-fed Hereford steers, weighing 1,000 pounds or under, Dan Casement, 2nd and 3rd; carload 20 feeder steer calves under 1 year, Dan Casement, 1st; carload 20 head feeder heifer calves, Joe O'Bryan, Hiattville; grand-champion carload of Hereford feeder cattle, Dan Casement.

Shorthorn—Carload 15 head grain-fed Shorthorn steers weighing 1,000 pounds or under, Herman Bub, Atchison, 1st; carload 20 head Shorthorn feeder steers 1 year old and under 2, B. O. Weaver, Mullinville.

Hereford open-class steers—Junior yearling steers, Kansas State College, 2nd; summer yearling steers, Kansas State College, 3rd; senior steer calves, Kansas State College, 1st; junior steer calves, Kansas State College, 3rd; reserve-champion Hereford, Kansas State College.

Hereford breeding cattle—Junior yearling bulls, CK Ranch, Brookville, 2nd; junior yearling heifers, Walnut Hill Hereford Ranch, Great Bend; pair yearlings, CK Ranch, Brookville, 1st.

Aberdeen-Angus steers—Steers calved between January 1 and April 30, 1949, Kansas State College, 1st; steers calved after January 1, 1950, Kansas State College, 1st; champion steer, Kansas State College.

Aberdeen-Angus breeding stock—Junior yearling bulls, Simon Angus Farm, Madison, 1st; summer yearling bulls, Sunflower Farm, Everest, 2nd; reserve junior champion bull, Simon Angus Farm; 2-year-old heifers, Black Post Ranch, Olathe, 2nd; reserve senior and reserve grand-champion female, Black Post Ranch; produce of dam, Simon Angus Farm, 2nd.

Shorthorn steers—Steers calved between September 1 and December 31, 1949, Kansas State College, 2nd.

Swine

Fat barrows (all breeds)—Barrow, 260 pounds and under 300 pounds, O'Bryan Ranch, Hiattville, 1st and 2nd; Dale Scheel, Emporia, 3rd; 3 barrows 180 to 219 pounds, Dale Scheel, Emporia, 2nd; O'Bryan Ranch, 3rd; 3 barrows 220 to 259 pounds, O'Bryan, 2nd; Dale Scheel, 3rd; 3 barrows 260 to 290, O'Bryan, 1st; Dale Scheel, 2nd; 5 barrows, get of one sire, O'Bryan, 1st; Scheel, 2nd.

Duroc barrow, 180 pounds and under 220 pounds, Kansas State College, 1st and 2nd; barrow, 220 pounds and under 260, Kansas State College, 3rd; barrow, 260 and under 300, Kansas State College, 1st; champion barrow, Kansas State College; 3 barrows from class 10, Kansas State College, 1st; 3 barrows from class 11, Kansas State College, 1st; champion pen of barrows, Kansas State College; 5 barrows, get of one sire, Kansas State College, 1st.

Spotted Poland China barrows—Class 12, Kansas State College, 1st and champion.

Berkshire barrows—Class 12, T. E. Frain, Minneapolis, 2nd.

Hereford barrows—Reserve champion, all classes, Kansas State College.

Hampshire breeding swine—Class 1 boars, O'Bryan, 1st; W. J. Stewart, Waterville, 2nd; class 2 boars, O'Bryan, 2nd and 3rd; class 3 sows, W. J. Stewart, 1st and 2nd; O'Bryan, 3rd; class 4 sows, O'Bryan, 1st and

2nd; Stewart, 3rd; champion sow, O'Bryan; breeder's herd, O'Bryan, 1st and 2nd; Stewart, 3rd; get of sire, O'Bryan, 1st and 2nd; Stewart, 3rd; produce of dam, O'Bryan, 1st and 2nd; Stewart, 3rd; breeder-feeder litter, O'Bryan, 1st and 2nd; premier exhibitor, Stewart, 1st; O'Bryan, 2nd.

Poland China breeding swine—Class 2 boars, A. L. Wiswell & Son, Spring Hill, 1st and 2nd; H. A. Wiswell, Spring Hill, 3rd; champion boar, Wiswell & Son; class 3 sows, Wiswell & Son, 1st and 2nd; class 4 sows, Wiswell & Son, 1st; H. A. Wiswell, 2nd; Wiswell & Son, 3rd; champion sow, Wiswell & Son; breeder's herd, Wiswell & Son, 1st and 2nd; H. A. Wiswell, 3rd; get-of-sire, Wiswell & Son, 1st; H. A. Wiswell, 2nd; Wiswell & Son, 3rd; produce-of-dam, Wiswell & Son, 1st and 2nd; H. A. Wiswell, 3rd; breeder-feeder litter, Wiswell & Son, 1st; H. A. Wiswell, 2nd; premier exhibitor, Wiswell & Son.

Berkshire breeding swine—Class 1 boars, T. E. Frain, Minneapolis, 3rd; class 2 boars, Frain, 2nd; class 3 sows, Frain, 1st and 2nd; class 4 sows, Frain, 3rd; breeder's herd, Frain, 2nd; get-of-sire, Frain, 2nd and 3rd; produce-of-dam, Frain, 1st; premier exhibitor, Frain, 2nd.

Berkshire barrows—Class 12 barrow, Kansas State College, 1st; champion barrow, Kansas State College.

Poland China barrows—Class 10, Kansas State College, 1st; class 11, Kansas State College, 2nd; class 12, Kansas State College, 1st and 3rd; 3 barrows from class 10, Kansas State, 1st; 3 barrows from 11, Kansas State, 2nd; 3 barrows from 12, Kansas State, 1st; champion pen of barrows, Kansas State; 5 barrows, get of one sire, Kansas State, 1st.

Hampshire barrows—Class 12, O'Bryan, 1st and 2nd; Dale Scheel, Emporia, 3rd; 3 barrows from class 10, Scheel, 2nd; O'Bryan, 3rd; 3 barrows from 11, O'Bryan, 2nd; Scheel, 3rd; 3 barrows from 12, O'Bryan, 1st; Scheel, 2nd; class 16, O'Bryan, 1st.

Chester White breeding swine—Class 1 boars, Eldon Mosler, Oswego, 2nd; class 3 sows, Mosler, 2nd; Lloyd Cole, Auburn, 3rd; class 4 sows, Mosler, 2nd; class 5, Mosler, 3rd; class 6, Mosler, 3rd; class 7, Cole, 2nd; class 8, Cole, 3rd; premier exhibitor, Mosler, 2nd.

Sheep

Hampshires—Class 9 wether lambs, Kansas State College, 1st and 3rd; class 10 wether lambs, Kansas State College, 1st.

Southdowns—Class 10 wether lambs, Kansas State College, 3rd.

Rambouillets—Class 9 wether lambs, Kansas State College, 1st, 2nd and 3rd; class 10, Kansas State College, 1st; class B grade or crossbred wether lambs, Kansas State, 3rd.

Shropshire breeding classes—Three ewe lambs bred by exhibitor, Kansas State College, 3rd; pen 3 ewe lambs, Kansas State College, 3rd; flock, Kansas State College, 3rd; Association special flock, Kansas State College, 3rd.

Southdown—Three ewe lambs, bred by exhibitor, Kansas State College, 3rd; association special, 3 ewe lambs, Kansas State College, 3rd.

Rambouillets—Class 4 ewe, Kansas State College, 2nd; class 5 ewe lamb, Kansas State College, 3rd; class 7, Kansas State College, 2nd; association special, ram, Kansas State College, 3rd.

Hampshires—Class 5, Kansas State College, 3rd; association special, pen 3 ram lambs, Kansas State College, 3rd; class 6, 3 ewe lambs, Kansas State College, 3rd; association special, pen 3 ewe lambs, Kansas State College, 3rd; association special, flock, Kansas State College, 2nd.

Suffolk—Class 3 ram lamb, Sylvester Martin, Mt. Hope, 2nd; American Suffolk Sheep Society special, ram lamb, Martin, 2nd; National Association special, ram lamb, Martin, 2nd; class 4 ewe, Martin, 3rd; American Suffolk Sheep Society special, ewe, Martin, 3rd; National Association special, ewe, Martin, 3rd; class 6 ram lambs, Martin, 2nd; American special, pen of 3 ram lambs, Martin, 2nd; class 7 ewe lambs, Martin, 2nd; American Society special, pen of 3 ewe lambs, Martin, 2nd; class 8, flock, Martin, 2nd; American Society special, flock, Martin, 2nd; National Association special, flock, Martin, 2nd.

Wool department—Class 1 commercial fleeces, Earl Bushnell, Coffeyville, 1st; Virgil McClure, Newton, 2nd; Hampshire fleeces, Kansas State College, 1st; Shropshire fleeces, W. A. Lytle, Wellsville, 1st; Clarence Lacey, Meriden, 2nd; Southdown fleeces, Frank Gillmore, Cedarvale, 3rd.

Quarter Horses

Class 163 mares, Claude Trueblood, Osage City, 1st; class 165 mares, Trueblood, 3rd; class 167, mare and foal, Trueblood, 2nd; class 168, mare and 2 offspring, Trueblood, 3rd; class 158, stallion, Trueblood, 2nd; class 160, stallion and 3 mares, Trueblood, 3rd.

4-H Club Fat Cattle

Angus—Class 1 heifer, Larry Henry, Rudolph, 2nd; class 2 steer, Lee Brewer, Jr., Manhattan, 2nd.

Hereford—Class 3 steer, Leland Jensen, Quenemo, 3rd.

Shorthorn—Class 5 steer, Bryce Davidson, Americus, 3rd; class 6 steer, Jim Phillips, Eskridge, 1st and reserve champion.

4-H Club Fat Hogs

Durocs—Class 9, Junior Wendland, Manhattan, 3rd.

Successful Lamb Feeding!



A typical case of Enterotoxemia. Photo courtesy Colo. Agri. Exp. Sta.

Put Lambs on Full Feed Without Former Hazard of Enterotoxemia

You can now greatly reduce the hazard of Enterotoxemia (Overeating Disease) caused by *Clostridium perfringens* Type D. Vaccination with a new bacterin developed in the Corn States research laboratories opens the way to safer feeding profits because you can now—Push lambs on full feed—Lamb down cornfields, self-feed, use grass wheat pastures, graze bean fields—Shorten feeding time.

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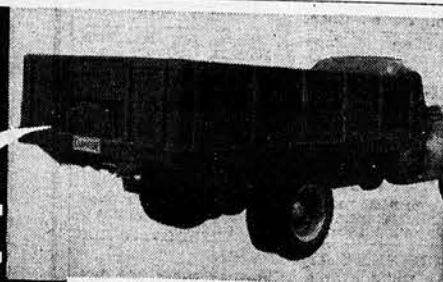
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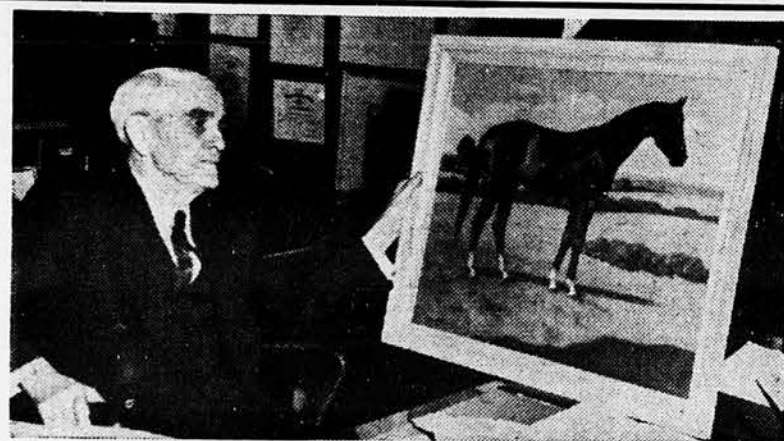
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This year's holiday art sale will commemorate the 30th anniversary of the Copper Foundation. High ranking artists from 35 states are donating original paintings. They will be sold in the Topeka municipal auditorium on the evening of December 4, and the money received will go to the Copper Foundation.

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Located 11 miles south of Lincoln, Nebr., on No. 77 and 2 miles west on 33, or 12 miles east of Crete, Nebr., on No. 33.

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260 Center St., Brandon, Va.

AUCTIONEERS



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LIVESTOCK AND REAL ESTATE
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Ross B. Schaulis, Auctioneer
Purebred Livestock, Real Estate and Farm Sales.
Ask those for whom I have sold.
CLAY CENTER, KANSAS

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1/2 Column inch (5 lines) ... \$3.00 per issue
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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

Reliable Advertisers Only are accepted
in Kansas Farmer

SELLING SHORTHORNS AT HUTCHINSON—NOV. 10

THREE TOP BULLS—One by Kelburn Bugler, Maxwellton Harvester and Divide Alert.
THREE FEMALES—A good roan daughter of Maxwellton Harvester, and 2 deep red daughters of Divide Alert. All are bred to Kelburn Bugler.

R. M. COLLIER & SON, Alta Vista, Kansas

BANBURY'S POLLED SHORTHORNS

Note—"Cherry Hill Herd" lead all herds at the Chicago International Show. Our herd sire—Cherry Hill Hallmark—new blood and of the best. See his get at Kansas State Fair.

Males and females—Some of the choicest of the herd for sale. Over 100 in herd officially vaccinated.
Farm—22 miles southwest of Hutchinson, 1 mile west of Plevna.

J. C. BANBURY & SONS, Plevna, Kansas



IN THE FIELD

MIKE WILSON
Topeka, Kansas
Livestock Editor

Forty lots were sold in the **TRI-STATE BROWN SWISS SALE**, Topeka, October 18, for an average of \$487. The average was higher than last year. Top cow was lot 35, consigned by Earl Weber, Arlington. This 7-year-old cow, a daughter of Gene of Glendale, and bred to La Rainbow Wonder Del, was the 1949 Kansas grand champion bull. She sold for \$975 to Garden City Experiment Station, Garden City. Second high-selling cow at \$800 was consigned by North Repelmar Farm, Versailles, Mo., and this February, 1946, cow was purchased by Ferndale Ranch, Santa Paula, Calif. Ferndale Ranch was the heaviest buyer in the sale, taking 9 head. Third high-selling female was lot 8, consigned by Henry Duwe, Freeport. This 2-year-old bred heifer also sold to Ferndale Ranch. Lot 1, 4th high-selling female was a 2-year-old bred heifer. She was consigned by Dr. A. W. Anderson, West Point, Nebr., and the buyer was Ted Friesen, Garden City.

Two bulls topped at \$400. This price was paid for a March yearling bull consigned by F. M. Weber, Kingman, and purchased by C. O. Shultz, Marland, Okla. R. O. Gregory, Muleshoe, Tex., paid \$400 for a December, 1949, bull calf consigned by Henry Duwe, Freeport. Five bulls were sold.

Kansas buyers in this sale were J. M. Montgomery, Penokee—3 head; Garden City Experiment Station, Garden City; A. S. Ritchie, Wichita—4 head; George F. Smith, Yates Center; Kenneth Allen, Parsons; Otto Creek Valley, Burlington; Gary Rayl, Hutchinson; Waldo Huming, Walnut; Bill French, Pretty Prairie; Edward Wilson, Larned; and Ted Friesen, Garden City.

Brown Swiss were purchased by buyers from Kansas, California, Missouri, Oklahoma, and Texas. Nine head went to California, 7 to Texas, 5 to Oklahoma, 4 to Missouri and the remainder to Kansas.

The sale, held at the Free Fair Grounds, was attended by a large crowd from many states. Bert Powell was auctioneer, assisted by Charles Cole, Wellington; Glen McCormick, Cedar; and Dick Sholtz, Lancaster. Norman Magnusen, Lake Mills, Wisc., read pedigrees. The president of the Tri-State Association is Dr. A. W. Anderson, West Point, Nebr., and the secretary is Ross Zimmerman, Abbyville.

The **MID-KANSAS & CENTRAL KANSAS AYRSHIRE BREEDERS** joined forces in holding a Fall Consignment Sale. This sale was held October 24 at Newton in the pavilion at the fair grounds. Attendance was probably one of the largest in Central Kansas. Bidding was brisk, the sale was a great success. Thirty-two cows were sold for an average of \$380 per head; 4 outstanding bulls sold for an average of \$335. Nineteen open heifers, many of them just babies, averaged \$144 per head. Six heifer calves, for 4-H and FFA work, sold for \$117 per head. The top of this sale was a heifer just fresh consigned by Chester Unruh, Hillsboro, and sold to Andrew Gray, Powhuska, Okla., for \$475. Her baby calf was sold for \$95 to a 4-H member—Darryl Wade, Wichita. This made a total on lot 28 of \$570. Donald G. Worthley, Dunnell, Minn., paid \$530 for Woodhull Perky Min, consigned by G. Fred Williams, Hutchinson. Lemie Shoemaker, Minneapolis, took the top-selling bull in the sale from the Jake Walters consignment at \$425. The heaviest buyer in this sale was Mr. and Mrs. Andrew Gray, of Oklahoma, taking 9 head at \$3,510. Mike Wilson sold the offering, assisted by Walter Hand and Rudy Kriebble.

HARRISON COUNTY, MISSOURI, ANGUS breeders sale was held September 23 at Bethany, Mo. Fifty-one females averaged \$450, one bull sold for \$300. Buyers made purchases from 3 states. Don Thompson, Bethany, had the high-selling female at \$780. J. C. Ford, Marion, Ill., was the buyer.

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	\$32.50	\$25.75	\$35.00
Hogs	19.90	19.25	17.35
Lambs	29.00	26.50	24.00
Hens, 4 to 5 lbs. ....	.21	.23	.20
Eggs, Standards .....	.39	.35	.41 1/2
Butterfat, No. 1 .....	.55	.55	.57
Wheat, No. 2, Hard ...	2.26 1/4	2.26 1/4	2.29
Corn, No. 2, Yellow ...	1.43 1/4	1.47 1/2	1.17 1/4
Oats, No. 2, White ...	.88	.85	.77
Barley, No. 2	1.34	1.28	1.17
Alfalfa, No. 2	35.00	28.00	32.00
Prairie, No. 1	16.50	15.50	16.00

BRED EWE SALE

State Fair Grounds

Hutchinson, Kansas

THE KANSAS PUREBRED SHEEP BREEDERS' ASSN.
will hold its 5th Annual Show and Sale
Monday, November 20

High quality bred ewes of the Hampshire, Shropshire, Suffolk, and Southdown breeds will be offered.

Judging of Show Ewes — 10 A. M.

Sale — 1 P. M.

For catalogue address

KANSAS PUREBRED SHEEP BREEDERS' ASSN.

T. DONALD BELL, Secretary

Kansas State College, Manhattan, Kansas

JERSEY PRODUCTION SALE

60 Head—50 Registered and 10 Grades

Sale to be held in 4-H Barn.

Manhattan, Kansas

Wednesday, November 15

Sale at 12:30 P. M.



In this sale there will be daughters and granddaughters of Superior sires. Some of the best the breed affords. The lot consists of cows and heifers milking or heavy springers, also 1 2-year-old bull. Most all cattle have DHIA records, some with 500 lbs. fat and over. Herd average 422 lbs. fat and 386 lbs. fat. All cattle have been calfhood vaccinated. They are Tb. and Bang's free. Lunch to be served on grounds. For catalog write to

DAVID M. SCHURLE, St. George, Kansas

GEO. E. SCHURLE — RAYMOND SCHURLE — E. H. TAYLOR

Bert Powell, Auctioneer

Mike Wilson for Kansas Farmer

WILLOWMEADE FARMS

GRADE DISPERSAL AND

REGISTERED AYRSHIRE DAIRY SALE

Fair Barn

Newton, Kan., November 17, 1950

12 Noon

55 HEAD 55



20 registered yearling and senior yearling open heifers, 8 grade yearling heifers, 16 fresh and springing cows and heifers, both grades and registered, some bred heifers, baby calves and cows in all stages of lactation. This herd has been built through 20 years of breeding by the use of good bulls as their ancestors. Nearly all of the registered cattle carry pedigrees with production records and type classifications. Grades and registered all feature bloodlines of the breeds best. A real opportunity for anyone wanting foundation females or to add to your present herd.

For catalog and information write to owners:
ELMER SCHMIDT, Walton, Kan., and J. H. SCHMIDT, Peabody, Kan.
Auctioneers: Mike Wilson, Eli Bontrager and Walter Hand

SHOW WINDOW SALE of ABERDEEN-ANGUS

to be held Thursday, November 30

at the Dexter Park Sale Pavilion, Union Stock Yards

Chicago, Illinois



This annual event, held during the International Live Stock Exposition, will include 50 HEAD OF TOP CATTLE—10 BULLS and 40 FEMALES—selected from outstanding breeding herds of this country and Canada. Consignments come from 15 states and Canada.

CONSIGNORS:

BONESS, JOSEPH D., Waukesha, Wis.
BOWNE, BEN, Batavia, Ill.
CLEARY, PHILLIP, Odell, Ill.
COCHRAN FARM, North Salem, N. Y.
COLD SATURDAY FARM, Finksburg, Md.
DENNIS, PAUL E., Wilmington, O.
DON HEAD FARMERS, Ltd., Richmond Hill, Ontario, Can.
ETLING, BETTY J., Marshallville, O.
FISHBACK, W. D., Versailles, Ky.
A. C. FLINT FARM, Bethany, Mo.
FRANK, IVO J., Jefferson City, Mo.
GOODFELLOWSHIP FARM, Towson, Md.
GREEN, ROBERT E., Oaktown, Ind.
HAMILTON, LESLIE T., Good Hope, Ill.
HINTON, MARVIN, Commercial Point, O.
HOUSTON, MR. & MRS. DON C., Dunlap, Ia.
KASSNER, MATTHIAS, Elkhorn, Wis.
LE BARON FARM, Warrenton, Va.
McKEGGER, HOWARD L., Rochester, Mich.
MOORE, H. B., Lewistown, W. Va.

NOBIS, OTTO G., Davenport, Ia.
OHIO STATE UNIVERSITY, Columbus, O.
PAGE, I. DEAN, Milan, Mo.
PICKRELL, MARSHALL & SONS, Augusta, Ky.
PIERCE, LEWIS B., Creston, Ill.
ROBINSON, WILLARD & ROBERT, Masonville, Ia.
RUNACRES FARM, Madison, Conn.
SCHLUEDERBERG, W. F., Monkton, Md.
SHADOV ISLE FARM, Red Bank, N. J.
STOERGER, GEORGE & SONS, Monticello, Ill.
STUDER, BEN G., Wesley, Ia.
SUNFLOWER FARM, Everest, Kan.
TIPTON, E. M., Jefferson City, Mo.
J. GARRETT TOLAN FARMS, Pleasant Plains, Ill.
TOMLINSON FARMS, West Frankfort, Ill.
VAUGHN BROS., Albion, Mich.
WARNER GROVE FARM, Greenville, O.
WEST WOODLAWN FARMS, Creston, Ill.

For Sale Catalog write to **FRANK RICHARDS**, Sale Manager, care of **AMERICAN ABERDEEN-ANGUS BREEDERS' ASSN.**, 9 Dexter Park Ave., Chicago 9, Ill.
Auctioneers: Roy Johnston and Hamilton James

HOGS**Big Rugged
Hampshire Boars
For Sale**

80 Head to Choose From
Priced from \$75 up

We ship on approval to mail order customers. Visit our farm if possible. The signs will direct you. Every day but Sunday is sale day.

SUNSHINE FARM
Morrill, Kan. Phone Morrill 2121
Warren Ploeger

**ETHYLEDAL
FARM**

Improved for type and bigger litters. Best of breeding. Choice spring boars and spring gilts ready to go.

**PRODUCTION
HAMPSHIRE**

DALE SCHEEL
Emporia, Kan., Rt. 2

REGISTERED HAMPSHIRE

20 Boars, 200-300 lbs. No better breeding at any price. Early buyers get better choice. 4 Registered Hereford Bulls. DWAIN HOLCOM, Gypsum, Kan.

FOR SALE
As Long As You Sell Pork by the Pound Raise

**Spotted Poland China Hogs
Spring Boars and Gilts**

Champion bloodlines bred for fast economical gains. The middle of the road, farmer type hog. New blood for old customers. Unrelated pairs.

LOWELL ABELDT, Hope, Kansas
Phone Elmo 1202

REG. SPOTTED POLANDS

Spring boars, serviceable age, new bloodlines. Also unrelated weanling boars and gilts.

EVERGREEN FARMS
Herbert Holliday, Berryton, Kansas

SPOTTED POLAND CHINAS

Boars for sale. Registered and double immune. See or write

RANDALL TUCKER, Codell, Kansas

**REG. POLAND CHINA
Spring Boars and Gilts**

Priced right. Sired by Massif Lad and Buck's Prestige. Grand champion and reserve champion at Topeka and Hutchinson fairs in 1950.

J. H. SAYLER SONS & DAUGHTER
Quenemo, Kan., Rt. 1, Phone 9212

POLAND CHINA BOARS

of April farrow. Sired by Cardinal, Cavalier, Copy Right and others. Top individual quality and breeding.

BAUER BROS., Gladstone, Nebr.

REG. POLAND CHINA BOARS

Sired by Massif Lad and out of a dam that is a full sister to the grand champion boar of Kansas. Immune and ready to go. Neal Graham, LeRoy, Ks.

SUPERIOR DUROCS

40 Excellent Spring Boars sired by Super Spotlight. Perfect Trend. Deets King. Crusader Ace—a boar battery second to none other. These are well-grown, rich red, heavy hammed, deep, thick with smoothness and short, well-set legs. Come or write as we can solve your boar problem to complete satisfaction.

G. M. SHEPHERD, Lyons, Kan.

ROEPKE'S DUROCS

For Sale—Spring Boars ready for service. Featuring Blocky Knockout, Leader's King, and Golden Prince Image. Vaccinated.

ARTHUR ROEPKE, Waterville, Kan.

Haven Hollow Farm Durocs

Service age Duroc boars. Spring gilts. Farmer prices.

G. F. GERMANN & SON, Manhattan, Kansas

REGISTERED DUROC

Fancy Spring Boars and Gilts sired by Royal Fleet Line First, He'll Do's Model and Super Model, a top son of the twice Ohio grand champion boar and from splendid dams.

B. N. HOOK & SON, Silver Lake, Kansas

IT'S A FACT

Gentle Chester Whites Farrow. Raise Larger Litters That Gain Faster on Less Feed—Probably Produce More Meat Type Market Toppers. For Facts, Write

CHESTER WHITE SWINE RECORD ASS'N
Levi P. Moore, Sec'y, ROCHESTER, IND.

**November 18
Will Be Our Next Issue**

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

Friday, November 10

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

SUMNER COUNTY HEREFORD ASSN. SALE

The Consignment Sale of this association will be held at
Caldwell, Kan., on Monday, Nov. 27—Time 12:30 Noon

Both Horned and Polled Herefords Sell

SELLING 58 LOTS—26 Females, 20 Bulls, 12 Helpers suitable for FFA and 4-H work. Most of the bulls are service age.

CONSIGNORS:

B. W. Barnes, Oxford
John L. Holland, Freeport
Vernon Mosby, Milan
Charlie Volvaka, Caldwell
Roy Rusk & Son, Wellington
Dale Morrison, Caldwell
Howard Lowe, Caldwell
Carl Downing, Belle Plaine

Rex E. Haggard, Wellington
George A. Hunt, Wellington
W. C. Bender, Oxford
Leroy Hess, Belle Plaine
R. M. Mattingly, Caldwell
Earl E. Peck & Son, Wellington
A. R. Oglesby, Wellington
Paul Phillipi, Argonia

For sale catalog write to **RAY RUSK, Wellington, Kan.**
Auctioneer—**W. H. Heldenbrand, Oklahoma City, Okla.**

REG. HEREFORD PRODUCTION SALE

Horton, Kan., November 27, 1950

Civic Center Building

**50 Head Top Quality Reg. Hereford Cattle**

18 Bulls by such sires as Royal Tredway 55th, son of the great WHR Royal Tredway 8th, and WHR Star Mixer. 10 extra good bred heifers bred to J. C. P. Larry Domino 4th. Also some are carrying the service of WHR Star Mixer. 22 Open Heifers by Royal Tredway 55th and WHR Star Mixer. The dams of this offering are by the New Prince 50th, and many of them trace back to the old home of Battle Mischief. This is really a good offering of young cattle that will be a credit to most any herd. For catalog and information write

BELDEN
Horton, Kan.

Jewett Fulkerson, Auctioneer

and

SCHUETZ
Mercier, Kan.

Mike Wilson for Kansas Farmer

KANSAS ABERDEEN-ANGUS ASSOCIATION**Kansas Annual Angus Show and Sale**

November 16, 1950, Hutchinson, Kan.

State Fair Grounds. Show at 9 A. M.—Sale at 1 P. M.

18 BULLS—61 LOTS—43 FEMALES

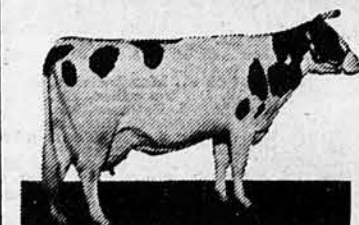
This top offering has been selected from 20 of the leading herds of the state. Buy Kansas tops in this sale . . . It will pay. Banquet 7:30 P. M., November 15, 1950, Wiley Tea Room, Hutchinson, Kan.

CONSIGNORS

	Bulls	Females
1. KANSAS STATE COLLEGE, Manhattan	1	1
2. JOE J. McQUILLAN, Clearwater	2	1
3. ENOS HONEYCUTT, Blue Rapids	0	2
4. W. L. MORRISON, Willow Creek Farms, Linn	1	2
5. D. W. WRIGHT, Sterling	0	1
6. FRANCIS PERRIER, Eureka	1	1
7. H. NELSON SIMMONS, Strong City	0	2
8. RAYMOND P. GEORG, Rush Center	0	3
9. LEWIS E. WHITNEY & SONS, Norton	1	1
10. HAROLD GIESS & SON, Arnold	0	2
11. HENRY H. GLINN, Newton	1	0
12. LOCKE, HERSHBURGER, Little River	1	1
13. FRED H. SCHULTIS & SON, Great Bend	1	1
14. DETERS BROTHERS, Big Oak Stock Farm, Cawker City	0	3
15. BLACK POST RANCH, Olathe	0	4
16. G. W. & ADA C. CALDWELL, Harian	0	2
17. CLIFFORD C. GOODRICH, Columbus	1	2
18. LLOYD ERICSON, Marquette	1	1
19. SIMONS ANGUS RANCH, Madison	1	2
20. RALPH POLAND, SON, Junction City	1	3
21. LARRY SANKEY, Sterling	0	1
22. FRED O. COX, Jr., Assaria	1	0
23. AL J. GORGES, Fall River	1	2
24. SWARTZ BROTHERS, Sunflower Farms, Everest	1	2
25. CHESTER BARE & SON, Protection	1	0
26. J. B. HOLLINGER, Wheatland Farms, Chapman	1	1
27. STANLEY WINCHESTER, Hutchinson	0	1
28. ALBERT GILLIG & SON, Kiowa	0	1

OFFICERS

President—**Lock Hershberger**, Little River, Kan.
Vice-President—**Urban Simon**, Madison, Kan.
Secretary-Treasurer—**Don Good**, Manhattan, Kan.
For reservation write: **CHARLES SUMMERS**, Hutchinson, Kansas
For catalog write: **DON GOOD**, KSC, Manhattan, Kan.
John Tolan, Pleasant Plains, Ill., Judge
Roy Johnston, Auctioneer
Mike Wilson for Kansas Farmer

COMPLETE HOLSTEIN DISPERSAL SALE

Sale will be held at the Wm. Brown Farm 20 miles southeast of JUNCTION CITY, KAN., on Humboldt Creek Road. Sale starts at 1 P. M. on

Thursday, November 16

26 High Grade Cows and Heifers

Artificially bred and DHIA records. Herd average 3.7 butterfat test. 18 head from 2 to 6 years old. Several heavy springers. Dairy Equipment—3-unit surge milker and cooler.

For information about this herd write to
WM. BROWN, Owner, Dwight, Kan., Rt. 1
Auctioneer—**Bert Powell, Topeka, Kansas**

Beef CATTLE

ATTEND THE R. A. HEROLD

**Reg. Hereford
and Reg.
Duroc Sale**

TUESDAY, NOV. 14 — 1 P. M.

3 miles south of

BATES CITY, MISSOURI

35 Reg. Herefords Sell—Plus Lamplighter breeding.
20 Reg. Durocs—One litter by Peppard's Market Type.

Write for catalog to—
R. A. HEROLD, Rt. 1, Bates City, Mo.
Auct.: **Jewett Fulkerson & George McSpadden**

**Spencer
Herefords**

Sires in service
CK Royal Duke
3rd, reserve
champion bull
1948 Kansas Futurity, M. H.
Royal Tredway
93rd by WHR

Royal Tredway 8th. We have sons and daughters of these 2 great bulls in our herd that look like real prospects. Our cow herd consists mostly of descendants of Advance Stanway cows from the Gordon-Hamilton herd purchased by us in 1945.

Watch for our dispersion sale this fall.

JOHN SPENCER
Whiting, Wetmore, Kan.

**WALNUT VALLEY
HEREFORD RANCH**

Bulls—Registered Herefords—Heifers
12 bulls one year old, several herd bull prospects and top range bulls. Popular bloodlines and prices. 10 open heifers 15 months old, a quality set.

WAITE BROTHERS, Winfield, Kansas

**OFFERING REGISTERED
POLLED HEREFORDS**

20 choice bull calves and several heifer calves, sired by Advance Choice 16—a great son of Advance Domino 50, and Advance Domino 8, a son of CMR Advance Domino 35. Priced reasonable. Write or visit.

MARTIN I. SHIELDS & SONS
Lincolnton, Kan., Near Highways 77 & 50 N.



**POLLED HEREFORD
BULLS AND HEIFERS**
9 to 15 months old.
**GEORGE L. RIFFEL
& SON**
Hope, Kansas



**REGISTERED
POLLED HEREFORDS**
Heifers and bulls, age 6 to 18 months.
DAN RIFFEL, Hope, Kansas



FOR SALE
**5 Polled
Shorthorn Bulls**

from 8 to 12 months old. Sired by son of Gloster Dale. Also a coming 2-year-old red bull sired by the International Reserve Champion Cherry Hill Royal Oal.

GERALD SCHERMEYER
Superior, Nebraska

Dual-Purpose CATTLE**Offering RED POLL BULLS**

8 to 10 months old. Sired by Victory Advancer, champion at the national and first prize winner at Minnesota, Wisconsin and South Dakota State Fairs. Good quality. Priced right. Come see them.

H. E. REED, ATTICA, KANSAS

Polled Milking Shorthorn Bull

For Sale—Serviceable age, from RM dam and sired by Woodside Bandit QM-X with RM pedigree. Also selection of younger polled bulls. "Woodwards Reveler" son of Trixie Queen now heads our herd. W. A. Hegle, Lost Springs, Kan.

SHEEP**MISSOURI HAMPSHIRE
BRED EWE****SHOW AND SALE**

November 11, 1950

LIVESTOCK PAVILION

Columbia, Missouri

More Than 50 Head of Top Quality

BRED EWES

Show 9 A. M. — Sale 1 P. M.

For catalog write
Rollo E. Singleton, Sales Manager
Department of Agriculture
Jefferson City, Missouri
Auctioneer: **Col. Bert Powell, Topeka, Kan.**
Judge: **Don Fullin, Waterloo, Iowa**

O'Bryan Polled Hereford Sale

at the home ranch
Hiattville, Kan., Saturday, November 18



Beau Perfect 246th get will be represented in this offering. He is the sire of Beau Rollo 74th, the \$27,500 bull sold by the Alfalfa Lawn Farms, Larned, Kansas, last year. He also sired the highest price female ever sold in a National Polled Hereford sale.

46 Outstanding Heifers

About half of these heifers are bred and about half of them open and ready to breed. They are sired by Beau Perfect 246th and ALF Choice Domino 11th. Some are bred to the 11th and ALF Battle Mixer 10th. 50 Bull and Heifer Calves. Ready to wean. This is really a good set of calves with a lot of promise. They are sired by ALF Choice Domino 11th. A few cows bred to ALF Choice Domino 11th and ALF Battle Mixer 10th. Also included in this offering are 12 bulls of serviceable age. They are sired by Beau Perfect 246th and ALF Choice Domino 11th. This is a group of bulls that are well bred with lots of quality, most of them are real herd bull prospects. Write for catalog.

O'BRYAN RANCH

Joe O'Bryan

Hiattville, Kan.

Fulkerson and Watson, Auctioneers

Mike Wilson for Kansas Farmer

CENTRAL KANSAS POLLED HEREFORD SHOW AND SALE

at the fair grounds

Herington, Kan., November 15

Selling 60 Head of Selected Bulls and Females
representing the top bloodlines of the Midwest.
The same that have won national championships
for the past ten years.

CONSIGNORS:

W. R. Zimmerman, Alta Vista	F. H. Wittorff & Son, Inman
Robt. L. Zimmerman, Alta Vista	Richard L. Schmidt, Newton
Leo Ebel, Wamego	R. D. McCallum, Matfield Green
Geo. L. Riffel & Son, Hope	Irl Tinkler, Gypsum
Clarence Brooks, Wayside	Elmer Riffel, Hope
Irvin R. Schmidt, Buhler	Lester H. Kolterman, Onaga
Jesse Riffel & Sons, Enterprise	Arthur Wittorff & Sons, Inman
Cecil Medly & Sons, Tampa	C. M. Newman & Son, Axtell
O. J. Shields, Lost Springs	Richard Ziegler, Junction City
Walter Schepman, Holyrood	Allen Engler, Topeka
Harold Gingrass, Sedgwick	Mulvane Farm, Rossville
	Wm. Longhofer, Enterprise

Hereford Breeders Banquet the evening before the sale at
Masonic Temple. Judge: Don L. Good, Manhattan, Kan., As-
sistant Professor of Animal Husbandry Kansas State College.

For catalogs, information or reservations write to

O. J. SHIELDS, Secretary, Lost Springs, Kan.

Auctioneer: Freddie Chandler

Mike Wilson for Kansas Farmer

A Register of Value Sale in '49 STILL GREATER VALUES IN THE 1950 Sunflower Hereford Futurity

State Fairgrounds — 12 Noon

Hutchinson, Kan., November 14



Attend the All-Kansas
HEREFORD SHOW
Hutchinson, Kan.

125 ENTRIES!
NOV. 13, at 10 A. M.

Judge: Wilbur Drybread
Valentine, Nebraska

65 HEAD SELL

The Pick of the Kansas Crop . . . Selected From 100 Entries
Kansas farmers and ranchers have been able to buy good bulls and founda-
tion females in this sale each year at reasonable prices.

42 Bulls

Forty of them serviceable age by sale day. A burly, rugged, heavy-
boned group of young bulls with plenty of size—the ranchers'
kind. At least half of these bulls are herd-bull caliber.

23 Females

A select group, most of them mated to top bulls. Kansas breeders
have paid up to \$40,000 for the herd sires to which these heifers
are mated.

You'll find plenty of Register of Merit breeding in this catalogue.
Get your free copy by addressing . . .

THE KANSAS HEREFORD ASSOCIATION

GENE WATSON, Secretary-Manager

State Fairgrounds

Hutchinson, Kan.

10th ANNUAL ARMISTICE DAY SALE OF REGISTERED HEREFORDS



Selling at

VALLEY VIEW RANCH
Haven, Kansas

The ranch is located 3 miles west and 3 1/2 miles south of State Highway No. 96 at Haven between Hutchinson and Wichita, Kan. Good all-weather road. From Hutchinson go 11 miles south on Highway 17 to oiled road, then east 6 miles to sign on highway. Follow signs to ranch. Trains and busses will be met on request.

Phone Ranch 18F11, Haven

50 HEAD 50

The blood of the following bulls will be represented: C. A. Proud Mixer 1st, Advance K. Tone & WHR Saturn Domino 22d.

The cattle will sell in good grass condition.

Guest Consignors:

O. W. FISHBURN & SON

ORIN CHAIN & SON and RALPH CHAIN & SON

Saturday, Nov. 11, 1950

Sale at 1:00 P. M.

Any buyer taking 3 head or more will receive delivery
anywhere free of charge.

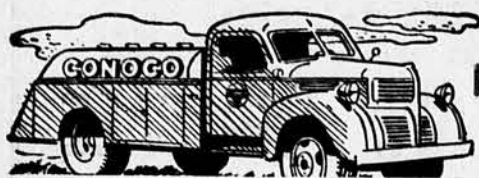
Harold Tonn, Auctioneer

Mrs. Harold Tonn, Clerk

For catalog write to HAROLD TONN, Haven, Kan.

W. H. Tonn & Son, Owners

Mike Wilson for Kansas Farmer



The Tank Truck



Dale Hepker, left, and his brother, Lyle, inspect a load of canning peas, never before raised in their area. Following his interest in new crops, Dale tried them last year, found them profitable.



Dale Hepker, who uses mechanized farm equipment to produce 100 bushels of corn to the acre, thinks Conoco Products are "the best."

How to replace cockleburs with corn

Reclaiming the soil is a hobby . . . and a job . . . with Dale Hepker, Urbana, Iowa. In 1935, Dale started buying run-down farms and putting them back into full production. The first thing he does is take out all but the border fences. Then he brings in a crew to 'doze the land . . . fill up the gullies, terrace the slopes. Contour plowing and crop rotation follow.

As an example of his success, he recently bought 160 acres on which nobody had been able to grow anything but cockleburs and sprouts. A year after the "Hepker treatment," Dale picked 50 bushels of corn to the acre.

Mr. Hepker farms 400 acres of fertile farmland in "the breadbasket of the world." Last year, with his modern farming methods and using mechanized farm equipment, he got 100 bushels of oats

and corn to the acre. "We picked and hauled corn for 30 days," he says. "I sure got tired hauling corn!"

"I've been using Conoco Products for 10 years," he added, "and believe me, they're the best."

Dale Hepker is an outstanding example of the progressiveness of the American farmer, who has used modern machinery to make the earth yield more. He is typical, too, of the thousands of farmers who use Conoco Products to make their farm machinery produce more, over longer periods, on less fuels and lubricants.

Oatmeal Bread



by
Mrs. Herman Backs,
R. 2, Petersburg, Ill.

1½ cups boiling water
½ cup molasses
1 T. butter
5 cups flour

2 cups uncooked rolled oats
½ t. salt
½ cup sweet milk
1 cake yeast in ½ cup lukewarm water

Add boiling water to oats and let stand for 1 hour. Add rest of ingredients in order named; let rise until double; knead good, put in pan and let it rise again. Bake in two loaves, time 1 hour. Temperature: 425 degrees for 10 minutes and 375 degrees for remaining time.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Oklahoma. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN



When time means money

The loss of time can be a lot more expensive than the repair bills, when the farmer's truck, car or tractor breaks down. Milk and eggs have to be delivered . . . cattle shipped . . . grain hauled to storage . . . on time. That's why the story of the Conoco road test could mean a big saving in money to you.

To test the wear-fighting qualities of new Conoco Super Motor Oil, six new cars and four new trucks were driven over blistering highways along the Mexican border. After 50,000 miles of continuous driving, engines showed no wear of

any consequence! For the test fleet of cars, the average wear on cylinders and crankshafts was only one-twelfth of the amount of wear before overhauls are necessary! For the test fleet of trucks, average wear on the connecting rod journals was only one-twentieth of the amount of wear requiring an overhaul.

Yes, the 50,000-mile test proved that Conoco Super Motor Oil, with proper crankcase drains and regular care, can virtually stop wear before it starts . . . keep the engines of your trucks, tractors and cars performing like new for years and years. Conoco Super OIL-PLATES engines . . . makes farm equipment last longer, perform better, use less fuels and lubricants. For a drum or a 5-gallon can of remarkable new Conoco Super Motor Oil, call Your Conoco Man, today!

Fire Rake



One man can put out a brush or grass fire with remarkable speed with this fire rake, says W.N. Ballinger, R. 4, Guymon, Okla. Weld 6 sections of a mowing machine cutter to the back of a heavy rake.

Feed Rack Cattle Walk

Old railroad ties, laid full length in front of the feed rack, make good solid dry footing for the animals, suggests G. Willis Hargreaves, Wray Rt., Holyoke, Colo.



PRIZES FOR IDEAS!

Send your original ideas to The Tank Truck, Dept. E, Continental Oil Company, Ponca City, Okla.—and get a genuine \$8 D-15 Henry Disston Hand Saw for every idea that's printed!



YOUR CONOCO MAN