

Kansas Farmer



BASIC SHIPMENTS of semen include 12 vials, 2 for each dairy breed. They are attached by rubber bands to cans of ice and are insulated and packed.



HARRY MUDGE, in the station laboratory, examines a sample of semen before shipment. The new Service Unit now serves 48 counties.



EARL L. FARMER, in charge of artificial breeding work at Kansas State College packs a field kit for shipment to a local inseminator.

Success in a Hurry

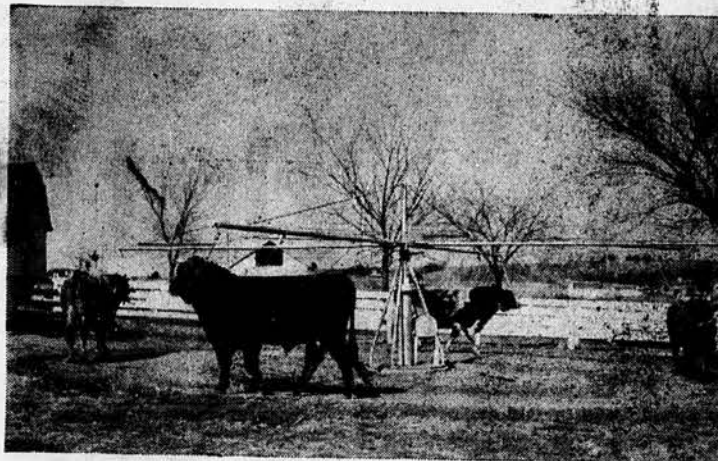
What dairymen saw and heard at Manhattan was good news

SUCCESS has come in a hurry to the Kansas Artificial Breeding Service Unit, Manhattan. After only 6 months of operation, the unit held open house for Kansas dairymen on Labor Day, September 4. What dairymen saw and heard about the new plant and its operation was good news indeed. Here is a brief progress report for you folks who didn't get to attend the open house.

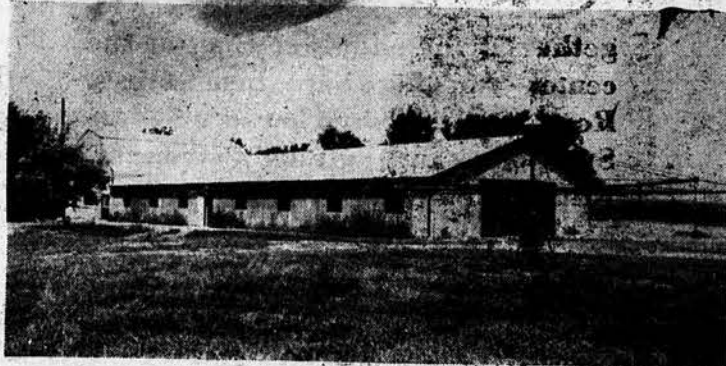
The Kansas Artificial Breeding Service Unit is serving 48 active local units in 48 counties. These 48 units represent 4,992 dairymen and about 45,000 cows. "About 3 times the volume we expected," says Prof. F. W. Atkeson, head, dairy husbandry department, Kansas State College.

Breeding efficiency has been increasing from the very start. First month it was 41 per cent on first service. In April it climbed to 53 per cent, May 56 per cent, and June 62 per cent. The national average for all natural and artificial breeding is 63 per cent. "We feel pretty good to reach such a high level of efficiency in the first 6 months," says Professor Atkeson, "since everybody on our resident and field staff was green to start with."

This improved efficiency is even more remarkable when you stop to think new local units [Continued on Page 30]



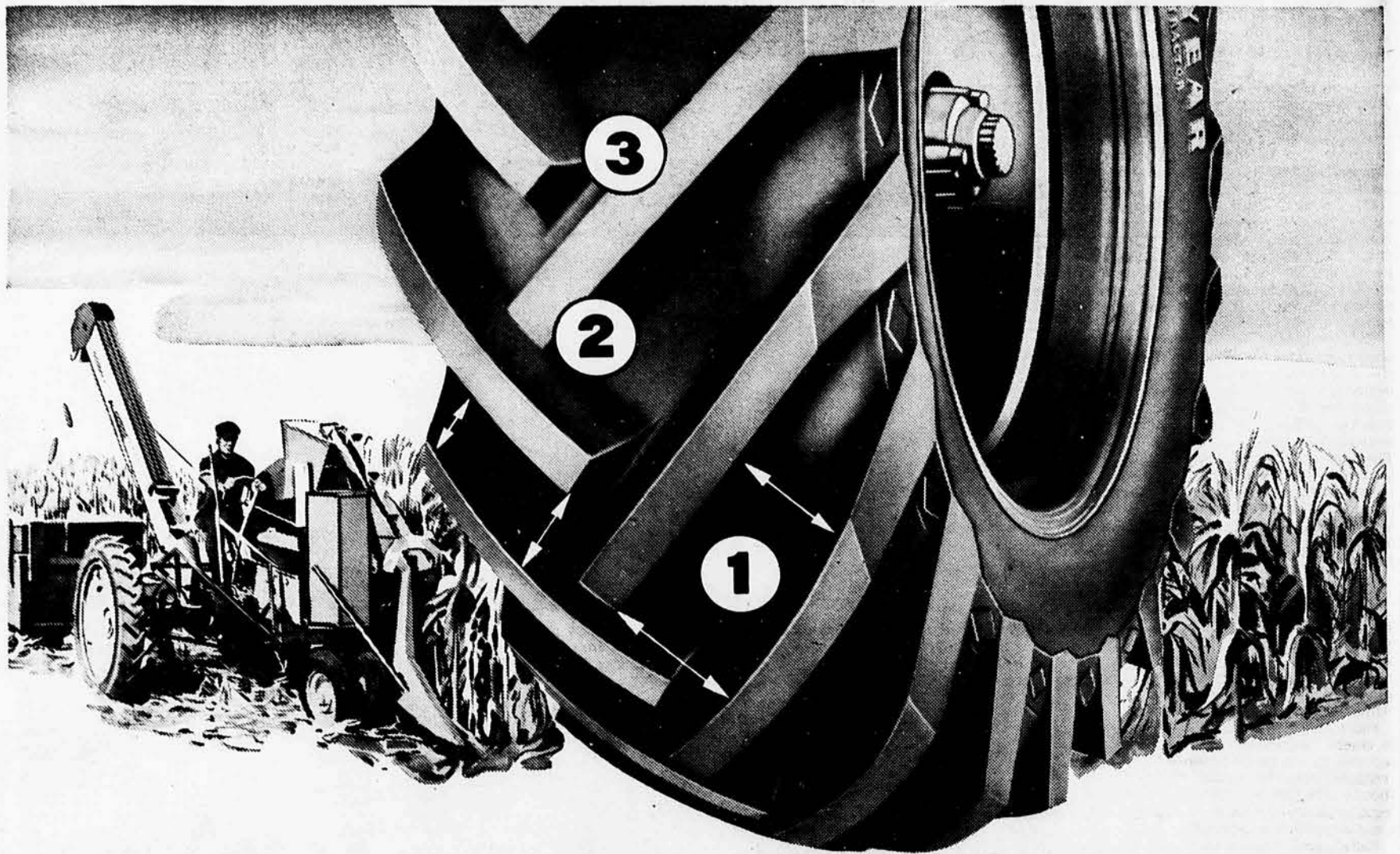
BULLS AT THE CENTRAL STATION get 1 hour exercise daily, walking 1 1/2 miles in the process. The exerciser is operated by an electric motor.



OPEN HOUSE was held September 4, at Manhattan, for the new Kansas Artificial Breeding Service Unit, shown here. The barn is 40 by 140 feet, housing 29 bulls, the laboratory and offices.

- **Roasting Ears Take Spotlight.** Page 4
- **Insure Against Disease.** Page 10
- **Tough Life for Insects.** Page 14

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GOODYEAR

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Super-Sure-Grip—T. M.
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Social Security Benefits Go to Farm Workers

EFFECTIVE January 1, America's Social Security program will bring farmers into a new relation with the federal government. About everybody connected with farm work—on or off the farm—will now be under social security. Under the new Act, passed during the latter part of August, benefits are extended to farm workers who meet certain conditions of employment. Regular farm workers can get a pension at 65. Or benefits will go to survivors.

The new Social Security Act requires farmer-employers to pay half the cost and collect the other half from the worker. The farmer must keep records for both himself and the worker. Also, he must make payments for both to the U. S. Bureau of Internal Revenue.

The program is concerned with 3-month quarter work periods. Here are the conditions which bring a worker under the act. He must first work continuously for one employer for one quarter; altho he gets no credit for this toward his pension, he is not taxed. Then he must work for the same employer for at least 60 days out of the next quarter. His cash earnings must be not less than \$50. The steady worker is favored. One who changes employment must work about 2 quarters to get credit for one.

Who Pays the Tax

The total tax is 3 per cent on the first \$3,600 of a worker's pay. The worker and his employer both pay 1½ per cent. The employer turns this tax into the government at the end of each quarter. The same kind of form used in other businesses will be used.

Farmers who are or may be subject to social security taxes should keep records on which payments to the government may be based. Farmers also should see to it their workers are registered for social security and have a social security number.

Rules and regulations on how the new Act works will be issued in the near future. Information can be obtained from the nearest U. S. Bureau of Internal Revenue office.

New Egg Cases, Flats And Fillers Designed

Eggs produced today have "grown"—they're larger than those of a few years ago, reports the U. S. Department of Agriculture. The PMA conducted studies on sizes of eggs produced, measuring a total of 16,000 eggs. Studies also were made on development of new standards and specifications for egg cases and packing materials. The poultry industry also investigated this problem of fitting the slightly larger eggs of today into cases and materials in general use.

Now, new "regular" egg cases and fillers designed to cut losses thru shipping are being advocated. The new standard fillers may be used in old-style cases, but the new standard flats require the new standard depth of case, which is 13 inches.

According to PMA, here is what egg-case users should do now: (1) buy only new-style, "regular" egg cases

and fillers; (2) after October 1, 1950, specify "regular" flats when making purchases; (3) keep old-style flats on hand for use during the coming packing season for use with old standard egg cases still in circulation; and (4) help yourself and the industry to cut down egg losses by changing over to

new-style cases and packing materials as soon as possible. The manufacturers of these materials have agreed to make them available during the 1951 egg-packing season.

Larger Eggs Produced

The work of developing new standards and sizes began about 5 years ago. The PMA comments that science started it. Almost 20 years of breeding for improved chickens produced better layers and larger eggs.

Four Foreign Farmers Complete Kansas Training

FOUR young farmers from 2 "Marshall Plan" European countries who have been "working guests" on Kansas farms the last 2 months, completed their on-the-job training, August 14. A. F. Turner, Extension district agent at large at Kansas State College, states they have moved on to further agricultural study in other states.

The 4 foreign farmers are: Niels P. Dundtoft, 25, and Svend E. Hansen, 22, of Denmark, and J. M. Brinkman, 20, and Jan Weijns, 26, of the Netherlands. They were brought to the United States by the Economic Cooperation Administration.

Dundtoft lived on the Fred Richards farm, in Shawnee county, near Meri-

den. There he observed a diversified Kansas farm operation, including wheat harvest. Hansen observed the large Holstein dairy of the Phillips Brothers, in Pottawatomie county. The Grover Poole ranch, located in the Flint Hills south of Manhattan, was the summer home of Brinkman. Weijns has been learning Kansas agricultural practices at the farm of Gaylord Munson, Junction City.

There are a total of 35 young Danish farmers from dairy, stock and grain farms now visiting in America. Under a similar ECA plan, 49 young Dutch agriculturists are also studying our farm methods by observation and work on various types of farms.

Announce Wheat Price Support

Secretary of Agriculture Brannan announced August 21 the national average price support for the 1951 wheat crop will not be less than \$1.99 a bushel. This is the same as the support level now in effect for the 1950 crop.

According to the Production and Marketing Administration of the U. S. Department of Agriculture, the 1951 crop support is announced in accordance with applicable legislation that support for field crops be announced in advance of the planting season. As the planting season approaches for spring-seeded 1951 crops, consideration will be given to the individual situation confronting each crop. Support levels will be announced based upon considerations.

The Agricultural Act of 1949 makes price support mandatory for 1951 crop wheat at 80 to 90 per cent of parity. If parity is higher at the beginning of the 1951-52 marketing year, the support will be increased to reflect 90 per cent of parity at that time. But in no event will the support be less than \$1.99 a bushel as a national average.

Senator Capper on Radio

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



How D2 man takes it easy and drills 80 acres daily!

• On the Erlin P. Schweitzer farm, Osborne, Kansas, this Diesel D2 is shown pulling a 27-foot drill hitch. At third speed, the outfit easily seeds 8 acres per hour, with the D2 burning less than 1¾ gallons of low-cost fuel.

So the man on the deep-cushioned seat takes it easy, sowing 80 acres in a 10-hour day. Aside from filling the drill boxes, his main effort is a light pull on a handy steering lever — to turn around at the ends!

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Roasting Ears Take the Spotlight

Here is the story of how the Lower Kaw Valley is making sweet corn replace many acres of Irish potatoes—at a good profit

By DICK MANN

FARMERS around Turner, in Wyandotte county, would like to start a new national pastime. This would begin at mealtime with the words: "Please pass the roasting ears." You see, sweet corn is becoming a major crop in the lower Kaw valley where Irish potatoes once reigned supreme. Some sweet corn always has



EARS ARE PACKED 5 dozen to the sack by this field worker. Average yield is 125 to 150 sacks an acre.

been raised in the lower Kaw, but acreage has expanded rapidly in the last year or so.

This expansion probably is due to the improved marketing outlet thru the Valley Growers Packing Co. This company combines the talents of 2 ex-farmers, Eugene Hale and Arthur Creten, Jr., with those of 2 marketing experts, Don and Frank Palermo.

These 4 men operate a year-around packing business, using both locally-grown and shipped-in products. Sweet corn is a new and rapidly-growing part of the local business.

Sweet corn at the plant is packed 5 dozen ears to the sack and sold under the brand name, "Green Valley."

"Last year we bought 140,000 sacks of sweet corn from farmers in this area," says Mr. Hale. "This year we will handle 200,000 sacks and hope for more next year."

This means about 1,500 acres in the area are devoted to sweet corn. Average production runs 125 to 150 sacks an acre. The average grower plants about 30 acres, altho some growers get up to 90 to 100 acres. Biggest daily run at the plant this year was 5,400 sacks.

Sweet corn season in the valley lasts from about July 15 until frost. Prices fluctuate considerably during the season, depending a lot on the season in other corn-growing areas. This year the price to farmers started off at \$1.25 a sack, went down gradually to 60 cents about August 1, then started up again. Last year the price started at 60 cents and kept climbing to \$1.25.

"Our average price to farmers for the entire season will run 80 to 90 cents a sack," says Mr. Hale.

All picking is done by hand and the labor cost to farmers is about 10 cents a sack. "Our cost at the plant for clipping and sacking corn runs about 35 cents a sack," says Mr. Hale. It costs another 10 cents a sack [Continued on Page 26]



JOHN J. JUBIN, inspector, checks grade on Green Valley brand corn. It must meet U. S. No. 1 standards. Man in rear is spraying shaved ice over layers of corn in truck for shipment.



SACKED CORN is put aboard freight cars or trucks for shipment to city markets.



MEXICAN PICKERS use these long bags with shoulder strap for picking and clipping roasting ears in the field. Here one of the workers poses with Arthur Creten, Jr., of the Valley Growers Packing Co., Turner.



GROWERS AND PACKERS pose with sacks of Green Valley sweet corn: Lint Worthington, grower; Eugene Hale, Arthur Creten, Jr., and Don Palermo, packers; John J. Jubin, inspector, and Arthur Creten, Sr., grower.

Farm Matters

AS I SEE THEM

ONE result of the huge military program set off by the Korean war—prelude to World War III in the opinion of many—is higher farm prices. Also, higher prices to be paid by farmers; higher wages; higher taxes—and higher inflation (cheap money) all the way around.

The Bureau of Agricultural Economics this month estimates farmers' net income for 1950 will be \$1,400,000,000 larger than the pre-Korean estimates indicated. Pre-Korea "cash receipts from farm marketings" were previously estimated by BAE to drop from 1949's \$28,000,000,000 to around \$25,200,000,000—about a 10 per cent drop.

September's BAE estimate for cash receipts for 1950 is around \$27,500,000,000. This would be a drop of only 2 per cent from 1949, instead of the earlier estimated 10 per cent.

Gross farm income now is estimated by BAE to be \$31,500,000,000 for 1950, compared to \$32,200,000,000 in 1949. Gross farm income, in the BAE "book," includes cash receipts from marketings, value of home consumption of farm products, rental value of dwellings, and government payments.

"With farm production expenses higher than in 1949," the BAE report states, "farm operators' realized net income this year may total about \$13,000,000,000, as compared with \$14,000,000,000 last year and the postwar record of \$17,800,000,000 in 1947."

Previous BAE estimates had placed the realized net income anticipated at \$11,600,000,000.

Part of the estimated increase in cash receipts from farm marketings, of course, is due to the actual and anticipated increase in demand for farm products, due in turn to war demands and to much higher wages in industry, full employment, and more dollars for workers to spend.

Later on, thru restrictions on consumer credit and thru allocations and priorities in industry

(followed by scarcities in goods on the market) and not improbably some form of rationing of consumer goods, still more dollars will be available for food purchases. To the extent of course, that steeply higher taxes do not siphon the extra dollars into the Federal and state and local treasuries.

Another era of inflation, with cheaper and cheaper dollars, which amounts to government taking away a percentage of saved dollars as well as of "spending" dollars, lies ahead. How long it will last, how high it will go, how much it will cheapen the purchasing power of the dollar, no one can tell.

Thanks to the war, the national income of \$300,000,000,000 set as the 1954 goal by President Truman last January, may be attained by 1951, certainly not later than 1952. But the dollars will be cheaper dollars. That means the dollar value of tangible property, especially real estate, will continue going up. Farm real estate prices already have responded to the inflationary urge, as most farmers already are aware.

Getting around to the "human beings" side of the economic picture, here are some advance statistics, believed to be reliable:

Before Korea, our own armed forces were a little under 1,500,000. By the end of 1950 they are planned to reach 2,000,000. By March or April they are expected to be up to 2,500,000, and then 3,000,000 by next summer. President Truman was informed that the total may go higher. The Pentagon expects the total to climb considerably higher than 3,000,000, even without all-out world war.

Prospects are that:

Fathers in the 19 to 26 age bracket will be drafted in early 1951. Men over 26 may not be

drafted in 1951—not a guarantee, in Washington opinion. Deferments for students are more likely to be tightened than loosened. The present law exempting veterans from the draft will be changed, some of these will be drafted. How many depends upon developments in the Far East, the Near East, in Europe.

Twice as many men will be taken from civilian life into the armed services next year as will be taken this year. At least one million young workers will be drawn for military service. Another half-million will go into civilian government services, in Washington and thruout the county. If and when complete controls go on, the number of civilian government employes will go still higher. Present bureaus will expand. There will be many new bureaus; the head of each bureau will center his efforts on increasing the number of "his" employes—the more employes, the higher his rank and pay.

And the demands for workers in industry, particularly in industries connected with the war activities, are going up by leaps and bounds, already. I have learned of estimates in the Department of Labor that 70 million employed, in addition to more than 3 million in the armed services, will be needed when the military program is in full swing.

Kiplinger's sees, as a result of the higher wages and higher prices, both price and wage controls in effect by next spring. Look at the figures (estimates just given) and figure it out for yourselves. No wonder President Truman is calling for "sacrifices." Looks as if there will be plenty of sacrifices for all.

Arthur Capper

Topeka.

President Has Power to Control U. S. A.

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

TECHNICALLY it is the Defense Production Act. But the general term for it is the controls act. Control authority given the President amounts to a complete delegation of power to control the entire economy of the United States. It gives the President authority to make allocations, to control prices, control wages, to ration consumer goods.

But Congress did not specify how these things are to be done. That will be up to the Executive branch of the government. Different agencies will handle different fields in the controlled areas; each will write its own rules and regulations. These rules can, and probably will, be changed from day to day as the effects of previous rules and regulations cause dislocations in production and marketing. There is bound to be confusion.

One thing Congress did attempt. That was to protect farm products against too low ceilings.

For instance, no price ceilings can be set on any farm product at less than parity, or at less than the price prevailing during the May 24-June 24 (1950) period, whichever is the higher.

In case of ceilings on products made from farm commodities, the retail price ceiling should reflect the minimum price back to the farmer. Processors are to be allowed fair margins on top of the farm minimums. Price ceilings can be set higher than the minimum just described, but no lower.

If congressional instructions are carried out in the spirit and letter of the act, there will be no price ceilings on farm products for some time to come. As the general price level goes up, so

will parity. Could mean no controls on food either—for a while.

Under the act, fluid-milk price ceilings cannot be fixed at a lower level than is established by marketing agreements and orders. In areas where there are no agreements, the Secretary of Agriculture can set floor prices which take into account production costs. If price ceilings are set on fluid milk, that means they will be at pretty high levels.

Congress did this intentionally, altho sometimes in rather murky language. Feeling in Congress was that the Administration does not intend to hold down wage increases, which means prices will go up on things the farmer has to buy. Also, felt city consumers will be "hollering" for price ceilings on foods, with odds the farmer would be caught in the middle. So Congress proceeded to postpone the time when ceil-

ings can be set on farm prices. Meat animals and cotton are about the only major farm commodities above the parity established by Congress. Most other crops range from 10 per cent to as much as 80 per cent below parity.

Authority to fix farm wages probably is one of the last that will be used.

The President's authority to fix priorities and allocate materials applies to farm products as well as industrial products. He now has authority to require that orders from essential users be given priority over others. Government also may allocate supplies of any materials among the various users to (1) make sure military needs are met and (2) that what is left be divided fairly among civilian users.

It is not anticipated Government will try to allocate farm products at the farm level. However, food processors can just as well get ready for orders to

fill military orders first; also to be directed to set aside part of their production for military or other essential users. Meat packing industry is expecting allocation orders within a few weeks.

Hoarding by individuals or business concerns is subject to fines and imprisonment.

Probability controls on agriculture and foods will come slowly at first does not mean they will not be imposed later. The Planners want all-out controls over everything as soon as the machinery is perfected. The Planners do not have to run for office; the White House is not nearly so eager for controls (particularly price and wage) as advising Planners are.

Wayne Darrow informs there is a conflict in top official circles as to how tough and how soon the Government should go into the control program.

The President's Council of Economic Advisers (headed by Leon Keyserling), the National Security Resources Board (headed by W. Stuart Symington), the Federal Reserve Board (headed by Thomas McCabe), hold that all-out controls—except price and wage ceilings and rationing—should be effected now.

On the other hand, departmental groups headed by Secretary of Commerce Charles Sawyer, want to proceed more cautiously; use voluntary bases as much as possible; hold interference with business to a minimum.

Washington feels that Symington today is the President's top man in setting control policy. And Symington is one of the "tough" guys, except where Labor is concerned. He has picked a policy committee of which an even half are strongly pro-Labor.

A Child Needs All These

Every child should have mud pies, grasshoppers, waterbugs, tadpoles, frogs, mud turtles, elderberries, wild strawberries, acorns, chestnuts, trees to climb, brooks to wade in, waterlilies, woodchucks, bats, bees, butterflies, various animals to pet, hayfields, pine cones, rocks to roll, sand, snakes, huckleberries and hornets; and any child who has been deprived of these has been deprived of the best part of his education.

—By Luther Burbank.

DOUBLE USE OF QUONSETS ADDS TO FARM INCOME

Versatile, all-steel buildings safeguard crops—
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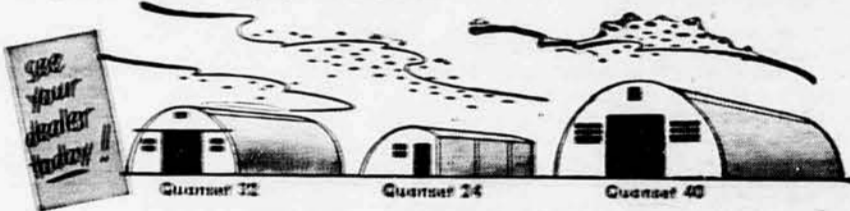
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Who wouldn't like to clear 100 per cent on their investment? Not one year but every year! It can be done—It is being done. In some cases the return has been 200 per cent. Actual return above investment and all costs for 7 years was 210 per cent for one man.

What is? Why, the sheep business. Experts say that doubling or trebling the number of sheep in Kansas would not strain present feed, labor, or other resources, would not mean a decrease in any other livestock, and would add greatly to net farm income.

If you are interested in this, don't miss the special article giving the whole story of sheep and lambs coming to you in the October 7, 1950, issue of Kansas Farmer. It will be written by one of the country's real authorities. It will be a "cash profit" article you will wish to follow.

Mary Lou Goes to England

The Curtis Farm Produces 80 Bushels of Wheat an Acre; Sounds Mighty Good, Doesn't It?

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



Mary Lou Edwards

DEAR MR. GILKESON: We 9 United Kingdom delegates are now in the East Midlands area, after spending a very enjoyable 3 weeks in the Northern area. By this time I am in agreement with the English people; that altho the countryside is beautiful in early summer, it is even more beautiful in harvest season. While there are still the greens in grass and trees, the amber wheat and oats fields are red with poppies, potatoes are in full bloom and the white blossoms look like a flower garden, and the red and white clover is in bloom—it's almost like a rainbow. Everyone still has flowers in the gardens around their houses. Altho roses are gone, zinnias, cosmos, marigolds, gladiolas, carnations and snapdragons are blooming in their place.

For the first time since we arrived, our group of 9 has now split up into groups of 3, and gone to 3 different counties of the Midlands. Margaret Dial, from Arkansas, Fay Sumpter, from Kentucky, and I, are in Kesteven, an area of Lincolnshire county. I am about 25 miles from Lincoln. We have each gone to a different farm, and are staying with one farm family for the entire 3 weeks, and so we're getting a chance to see and learn some real English farming, from a pitchfork handle.

An Interesting Family

It's harvesttime here on "Wheat Farm" where I am living with Mr. and Mrs. Tom Curtis. The 2 Young Farmers in the family are Joan and Dick. Joan, the 22-year-old daughter, teaches at the village school. She is on summer holiday now for 6 weeks, but the rest of the year she teaches reading, writing and arithmetic to the 8- to 11-year-old children. Dick, the 20-year-old son, is the farm foreman. He is up early each morning to go to the fields and give instructions on the day's work to the farm laborers. Dick is just starting his own herd of registered Lincoln-Red Shorthorns, and is as proud of his stock as any Kansas 4-H'er would be back home.

The Curtis family farms 362 acres, which are in 3 separate farms. Main crops are wheat, sugar beets and potatoes, with some peas, barley, oats and grass. Mr. Curtis' farm really lives up to its name of "Wheat Farm" because some of his fields of wheat have yielded as much as 80 bushels to the acre. Average production over a period of years would be 55 to 60 bushels, and that still sounds mighty good, doesn't it? Hybrid 46 is the variety planted, and it's noted throught Lincolnshire for its high production. All wheat planted here is beardless.

This is only one example of the intensity of British farming today. Costs of production here are enormous in order to make such high crop yields. Besides being more mechanized than our farms at home, these farmers must pay for hired labor. On this 360 acres Mr. Curtis has employed 15 men and women full-time, besides hiring 20 to 25 extra men to help during harvest seasons, especially for wheat, potatoes and peas. High concentration on crop rotation and soil fertilization also adds to cost

of production, until in the end the farmer's net profit isn't as great as a farmer at home growing 25 to 30 bushels an acre.

British farmers must of necessity continue to produce at this high rate. A little over a million people are working on British farms to feed 20 to 25 million Britons—in a country about one fifth the size of the Province of Quebec.

It is indeed surprising to note that England, Scotland and Wales are roughly comparable to the state of Idaho in area. When the United Kingdom population of 50 million is compared with the combined population of the United States and Canada (160 million), the density of population in Britain becomes apparent. Here lies one of the primary problems: how to feed all these people on the small area of available farm land—little more than half an acre per person.

Much Like Home

Mrs. Curtis runs her household and provides for her family of 4, quite like my mother does at home. They have an 8-room farm home, and except for lack of electricity is similar to my own. There is a modern bathroom, and "Kolar" gas is used for lights, cooking and ironing. A neighboring farm girl comes in each day to help, since Joan is away most of the time teaching school. Monday is washday. All the white clothes are boiled in a "copper" and the rest are done in a machine with all the "turning" and wringing done by hand; Tuesday the ironing is done with either the gas or flat iron; churning, just enough for the family use, is done on Wednesday; Thursday the housecleaning, and Friday the whole family goes to Lincoln for market day. Of course, Saturday is left for week-end baking, bread, cakes, tarts and buns.

Mrs. Curtis keeps the garden and takes care of the yard. Her flock of 200 chickens, plus the cream and egg money, make up her spending money, for the most part. So, even tho I am 5,000 miles from home, sometimes life seems so much the same that I can hardly realize I'm not back in Kansas. The differences in our way of life are only small, and essentially these people are just like all Americans—living and

(Continued on Page 7)

**CELEBRATING
OUR
75th
YEAR**

HYER

Comfort for 75 Years
Hyer Boots...the best in the West for comfort...wear...style! Hyer Boots, made of the finest material, worked by master craftsmen, give you the fit and wear you want. You can get Hyer Boots in handsome stock designs for dress or service, or have them custom made in your own design. You FEEL The Difference In HYER BOOTS



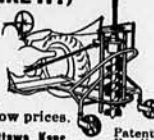
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Write for descriptive Bulletin B-140.

**PEERLESS
PUMPS**

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working for a better world for future generations, and ever striving toward world peace.

The people of Lincolnshire are among the most sports-minded in England. Most all of the Young Farmers belong to tennis, cricket, hockey and football clubs. Last Monday here on the farm the whole family quit work at 1 o'clock to go to the Horncastle show where Joan entered in the girls' 100- and 200-yard races. She has shown me numerous cups and prizes she and Dick have won in athletics. One evening we went to a sports day in Lincoln to watch Arthur Wint, the half-mile Olympic champion and McDonald Bailey, 100-yard British record holder, in action. They were eager to learn to play baseball, too, and since we didn't have enough people for teams we played a game of "work-up."

Even tho our U. K. group is divided up now, we have been meeting once or twice each week for a field day. On one occasion we visited the University of Nottingham, and toured the campus buildings, agricultural grounds, and saw the fine herds of pedigreed Lincoln-Red Shorthorns in their home surroundings. In the afternoon we were invited to inspect the artificial-insemination center.

On a visit to the National Agricultural Advisory Service we found the functions to be quite similar to our own Extension Service. The council serves to bring the latest of scientific and technical advice to the farmer, and help him with his individual problems. We recognized many of the books in their library as ones from our own classrooms, and bulletins of U. S. Extension Service.

At the Oakham Agriculture Show our group participated in the livestock-judging competitions. We judged Shorthorn dual-purpose cattle, and then gave oral reasons over a microphone. We were mighty proud of Harold Baxter, Tennessee, who won the contest and was awarded a silver cup. Dale Stahl, from Kentucky, placed second, being just one point behind Harold. Even the girls didn't do badly!

Along with all this we still find time for some entertainment. We all went swimming in the North Sea—it was cold, and we nearly froze, but at least we can say we've been there. We spent one evening at Black Pool, England's "Coney Island," where we could swim, dance, and go to the pleasure beach to ride the "round-a-bouts." We've been to Scarbrough and to Skegness, 2 other seaside resorts, to see British films and vaudeville shows, because this too, has a part in our IFYE program—to see how European farm families live. But only by actually living in a farm home these last few weeks—helping to cook breakfast, gather the eggs, shock wheat, thresh peas, visiting in the evening, going to the village church on Sunday—and sharing in the family trials and tribulations can the fullest appreciation of living and better understanding ever come to be.

Friday, we 9 Americans will meet in London for the week end, and then travel down to the south of England. It will be quite a change from working in the harvest field here from 7:30 in the morning riding the binder, and then shocking the wheat until dark at night.

—Mary Lou Edwards.

Cleans Drains

My car developed a habit of breaking speedometer cables. So I put one of those old cables to work in my home. Just fasten one end of the cable into a hand or breast drill, just like you would a metal bit. With this combination you have a ready-made drainpipe cleaner. Insert the cable into the drainpipe and turn it with the hand drill. It cleans the collection from the drainpipes.—E. R.

Prevent Fires

Let's get ready to observe Fire Prevention Week, October 8 to 11. An excellent little booklet, "Fire Safety on the Farm," published by the National Board of Fire Underwriters, is now available which has helpful suggestions on how to prevent fires. Also, if you are planning to build or remodel your home or barns, there is much information on how to build for fire safety. For a free copy of the booklet, please address Farm Service Editor, Kansas Farmer, Topeka.

**The Fence That Says STOP
and Means It!**

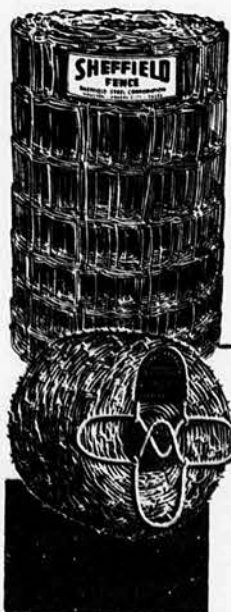


Strength to stand up under the strain of crowding animals as well as the stress of years and weather is built into Sheffield Fence. Made of uniform, high quality steel, with every step of manufacture under rigid Sheffield control, Sheffield Fences are built to give under impact—and spring back into position 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.

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Building with youth for a BETTER KANSAS

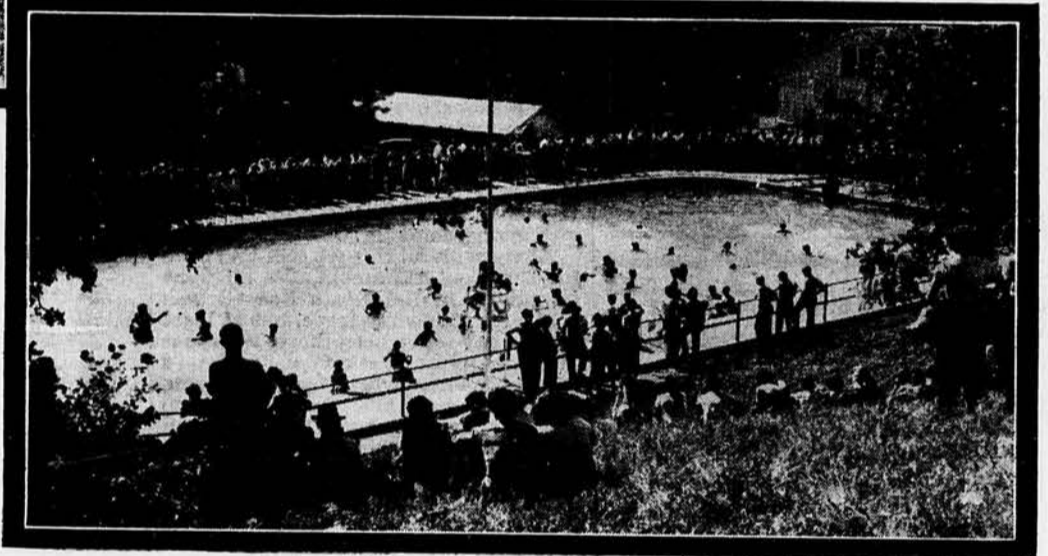
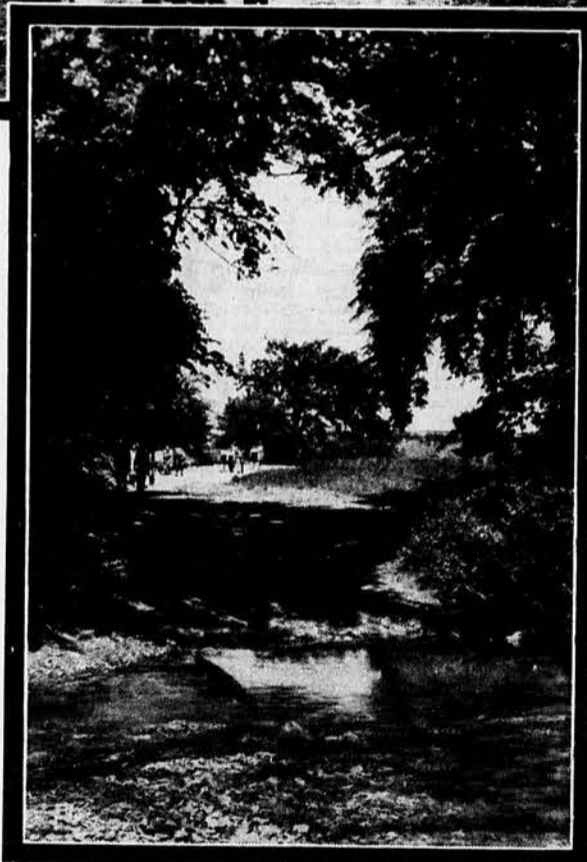
(UPPER LEFT) Horsemanship instructors lead a group off for a ride on the camp Palominos.

(UPPER RIGHT) There is always plenty of good, wholesome food on the tables at the Ranch.

(LOWER LEFT) A group of 4-H members start out on a hike through the rolling hills and fields.



(LOWER RIGHT) Everyone enjoys a cool dip in the Rock Springs Ranch swimming pool.



"This is your business-managed, tax-paying electric companies of Kansas, working together to bring better living to your community and to your county—another example of our American Free Enterprise System of work."

ENCOURAGING and building leadership among farm youth is the most important job that any of us can undertake.

One of the outstanding means for undertaking this program is the Rural Leadership Training Center at Rock Springs Ranch, the State 4-H Camp. Here, Kansas youth and adults participate in an influential center of democracy which enriches the individual lives of all who attend.

The electric utilities of Kansas are naturally proud of having been allowed a small part in making this camp possible. But these companies all understand that this is no place to stop. Each Company, through its rural department and rural representatives, is actively engaged in helping to promote the various farm projects and youth organizations that make better farmers, better community leaders and better citizens.

ELECTRICITY— Does the Job Better!

Central Kansas Power Company
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This Message from the Pioneers of Rural Electrification

After soil test
mobile mixer supplies . . .

Fertilizer by Prescription

By ED RUPP



MOBILE MIXER: Limestone from the truck at left is being elevated into the mixer barrel. Phosphate, potash if needed and ammonium sulphate were put into the mixer thru the elevator at right. After all fertilizer components are in the huge barrel, it revolves to mix the goods much like a concrete mixer. Spiral vanes inside the barrel move fertilizer forward. Then the drum is reversed to move the mixture back.

FERTILIZER just the way you need it. Mixed as a prescription for your soil and then applied. That is a new service being offered by Hayes Farm Fertilizer, a division of L. W. Hayes, Inc., 4550 Main Street, Kansas City, Mo. A demonstration of this mobile mixing and applying equipment was made at the Hayes quarry, west of Paola, September 5.

First step in this new service is a quick test of soils to be treated. Then fertilizer is mixed according to requirements of the soil as indicated by the test. Final step is application of the mixed goods to the soil by use of specially equipped fertilizer trucks.

In One Operation

This is the most advanced step to date in the rapid development of the plant food industry. Only a few years ago a few far-sighted farmers were buying lime, spreading it with wagons and manure spreaders. Soon after custom lime trucks appeared. Quite recently a few lime contractors offered another service, custom spreading of rock phosphate. You might say this step by the Hayes company had to come. It was the next step to take. In one operation major plant food requirements of the soil are applied according to dictates of the soil test.

First public demonstration of the new service was made on a 15-acre field near the Hayes quarry. Two types of soil were apparent in this field. Several samples were taken from each area to make 2 typical samples for testing.

The first area showed need of 2 tons of limestone an acre. It was low in phosphate. Soil test showed about 1,000 pounds of rock phosphate were needed. There was no apparent potash deficiency but nitrogen content was low. Ammonium sulphate was applied at the rate of 300 pounds an acre which would supply about 60 pounds of available nitrogen an acre.

Second area in the 15-acre field showed slightly less acidity, only 1½ tons of limestone were required. However, there was a greater phosphate deficiency. It required 1,200 pounds an acre to bring the soil up to maximum production condition for that element. Again there was no apparent potash

shortage but 300 pounds of ammonium sulphate again were needed in the nitrogen department.

The fertilizer was mixed in 3-acre batches and spread on the field to bring soil up in fertility to maximum production condition.

Necessarily, the demonstration was slow. The entire procedure was taken step by step. The mixer was not started until soil tests were completed. It tended to make the procedure look slow. In actual practice, soil testing will be done in advance. Then mixing and applying departments will be able to work without delay. Actual mixing time for each 3-acre batch was about 16 minutes.

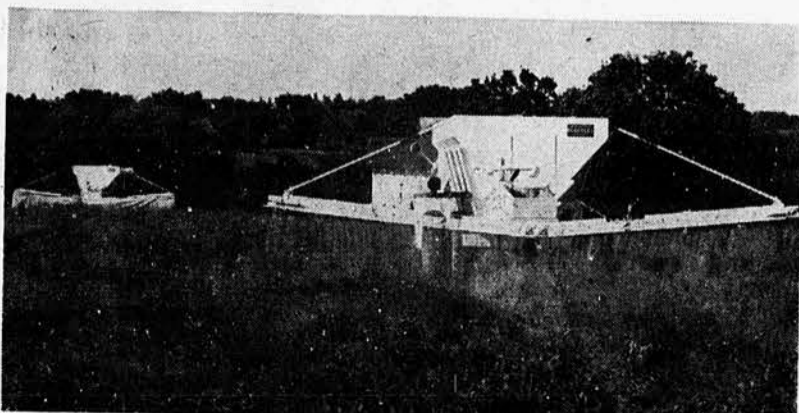
A rapid calculation of cost for this particular field was made by Mike O'Keefe, general manager of L. W. Hayes, Inc. It was itemized by the acre like this: Lime, \$3; ammonium sulphate, \$7.74; rock phosphate, \$10.80; mixing expense, \$2.65; hauling and spreading, \$3.35. Total cost \$27.54 an acre. That expenditure, it was pointed out, is intended to put the soil in top production condition for a 10-year period. Use of starter fertilizer seeded with the crop could be beneficial.

Borrows An Idea

A cross section of the crowd attending this premiere demonstration showed a large percentage representation of the limestone and fertilizer industries in this area. A representative of the New York state limestone producers association was present. He stated publicly he intended to carry the idea back to his home state, use it there.

There may be unforeseen difficulties in this new custom method of fertilizer application. But these kinks can be ironed out as they arise. It does seem to be a logical step in fertilizer service. In fact, your reporter has been looking for this development for several years. Ever since a prominent agronomist in this area predicted that some day a complete fertilizer service like this would be available to farmers.

Several advantages seem apparent. One is this: Only the plant food elements needed are applied. That alone could be a saving to the farmer. Too, total plant food needs of the soil can be met with one trip over the field.



TRUCK SPREADERS: Within a few minutes after the prescription batch of fertilizer is mixed, it is transferred to these fertilizer trucks and spread over the field. Forward truck carries a canvas protector to keep wind from blowing fertilizer.

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

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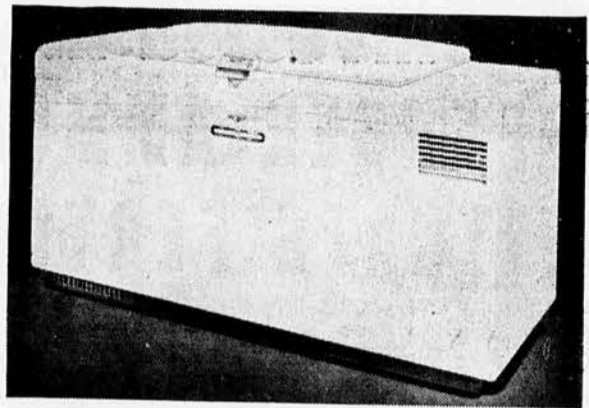
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9 cu. ft. size
only

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NINE EXTRA BUSHELS OF WHEAT per acre! A \$3 to \$4 investment in Spencer Ammonium Nitrate Fertilizer should give you nine more bushels of wheat at harvest time if you have taken care of the phosphate and potash requirements of your soil. Yes, some of your neighbors probably are doubling their wheat yields with Ammonium Nitrate—and you can do it, too! Ask your county agent or farm adviser for information on this big-profit use of nitrogen.



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STEP UP CORN YIELDS! Thousands of profit-minded farmers have discovered they can boost corn production as much as 100% by using a balanced starter fertilizer and then side-dressing with Spencer Ammonium Nitrate Fertilizer at the second or third cultivation. Remember, 70% of all Midwestern soil is nitrogen-deficient. Don't let lack of plant food rob you of profits! Get the whole story of soil-building with nitrogen in handy Spencer Fact Folders from your fertilizer dealer.



INCREASED ORCHARD EARNINGS! Apple, pear, peach, plum and cherry orchards lack nitrogen more often than any other plant food. Spencer Ammonium Nitrate Fertilizer can help you enjoy bigger, more consistent harvests. Write to Spencer Chemical Company for information on the application of Ammonium Nitrate to your orchard.



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A few cents an acre spent
for seed treatment can mean
improved stand, yield and quality

Treat Grain Seed To Insure Against Disease

By GORDON WEST



SOW THE best seed and the best returns will be yours. The best seed you can sow is quality seed which has been chemically treated after cleaning. It's good insurance against certain diseases. Spending a few cents an acre for treatment means improved stand, yield and quality. Result is extra millions of dollars for Kansas farmers each year.

The increase in number of plants more than pays for cost of the material. Treating with Ceresan, for example, costs only 3 cents a bushel. There's no money lost if seed is treated according to recommendations.

Treating seed also is a good citizenship proposition. If all wheat growers in Kansas were to quit treating seed, it would be only a few years until stinking smut would be causing a major loss in the state. Various smut diseases reduce the yield and quality of cereal and forage crops each year.

One objection to treating seed is that materials available are somewhat irritating to some people. This irritation usually can be avoided by treating out-of-doors and taking precautions to stay out of the dust as much as possible. Working on the side of the machine from which the wind is coming is a help. Taking a bath as soon as treatment is finished for the day is a great help in avoiding skin irritation.

More Plants Grow

C. L. King, Kansas State College Extension plant pathologist, has conducted many experiments on seed treatment. He has found an average of 4 per cent more plants grow from treated wheat seed. Some lots of seed produced as high as 14 per cent more plants. This occurred even tho the seed-testing germinator showed seed to test over 90 per cent. Wheat seed can be treated any time after seed has been well-cured following harvest.

Here's an example of seed and money saved per acre. A grower uses one bushel of untreated wheat seed an acre. He could treat the seed and get the same number of plants by planting only 57.6 pounds of seed. On each acre this would save 2.4 pounds of seed worth 7.2 cents. At the same time the grower is insured against stinking smut.

Cost Is Low

All smuts of oats can be controlled by seed treatment with New Improved Ceresan or Ceresan M. Barley seed should be treated every year with either of the 2 chemicals named. Sorghums are especially susceptible to seed decay and seedling blight, often resulting in poor stands. Seed treatment results in more uniform stands. Cost of treatment is often less than a cent per acre for sorghums planted in the row. Treating corn and flax seed often gives more uniform stands and increased seedling vigor.

There are 5 recommended treat-

ments—4 use a chemical dust and one uses hot water:

(1) Treatment with Ceresan M or New Improved Ceresan. These 2 chemicals are very effective in controlling grain smuts in Kansas. An outstanding advantage is they may be used to control all seed-borne diseases commonly controlled with other fungicides. This way, only one disinfectant is needed. It should be applied at rate of 1/2 ounce per bushel of seed. (Flax requires 1 ounce per bushel). Gravity-type treaters are adequate for applying either of the 2 chemical dusts. Ceresan M can be used also in a slurry machine, is as effective as New Improved Ceresan and is less irritating to the operator.

(2) Treatment with copper carbonate. This dust should be applied at full strength (about 50 per cent copper) at 2 ounces per bushel, or diluted copper carbonate dust (about 20 per cent) at 3 ounces a bushel. It should not be applied with a gravity-type treater but a rotary-type. Every kernel needs to be completely covered.

(3) Treatment with Spergon. This dust should be applied at the rate recommended on container. Mixing should be done thoroughly, preferably in rotary mixing machine. Since sorghums require such a small amount of seed per acre, some growers partially fill a gallon bucket or old cream can. Then they shake or roll the container until seeds are evenly coated. (A complete story on treating sorghum seed appeared in the May 21, 1949, issue of Kansas Farmer). Special formula Spergon can be applied with a slurry machine. This machine mixes a small amount of water with one of the special formula dusts and applies this mixture to the seed. Since a slurry machine costs about \$600, hybrid seed companies and big seed producers and distributors operate them. There probably are about 30 machines in Kansas.

(4) Treatment with Arasan. Application can be made as for Spergon. A good mask which covers mouth and nose should be worn. Preferable method of applying Arasan to seed is with a slurry machine.

(5) Treatment with hot water. This method controls loose smut of wheat and brown loose smut of barley. Great care and special equipment are required. A source of steam and an accurate thermometer are 2 of the necessary items. Full details on 6 stages in this treatment are available from Kansas State College Extension service.

Kansas State College workers are now experimenting with a promising new seed treatment—Panogen. It's an oil instead of a dust so eliminates dust irritation to handlers. The cost is only about 4 cents to treat a bushel. To date it seems it may be dripped against the inside wall of a mixer. With a little mixing it gives the seed the desired treatment. In the 2 years it has been

(Continued on Page 11)



ELMER GRAPER, retired Thomas county agent, is one of many Kansans giving farmers seed cleaning-and-treating service by means of portable outfits.



STINKING SMUT germs are carried to the field on the surface of the seed. Disinfecting the seed with modern seed treatment is cheap insurance against losses.

tried, Panogen has given good results in controlling smut. It produces increased stands, too. A machine for applying this oil is available for large operators or custom operators at \$600 to \$700.

Many Mixers Available

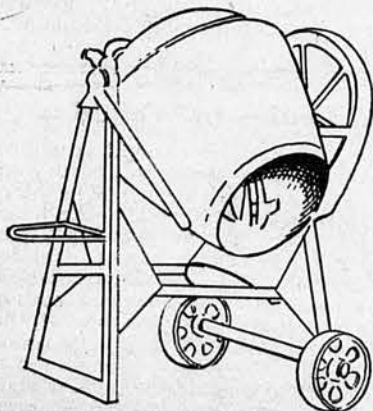
There is a variety of treating equipment available. Homemade hand mixers can be used. Also available are commercial, automatic, power-driven and gravity-type mixers. Seed growers who have farm-size seed cleaners may have an attachment installed for applying dust. Some farmers feed the seed and dust thru the auger part of the combine. Many use concrete mixers, auger loaders or barrel mixers.

The gravity-type machine can be easily made on the farm. Main material needed is a 55-gallon metal drum. Information on constructing and using the machine is available from Kansas State College Extension service in Extension Circular 216, "Grain Seed Treatment in Kansas."

Just Be Careful

There are several precautions to take when individuals or businesses install cleaning-treating equipment. Flying dust of the seed treatment materials should be prevented from escaping within the building. This dust is often very irritating to workers. Use of a slurry machine solves this problem. Those who do not wish to use slurry equipment can place the cleaner near an outside wall. Seed is elevated from the cleaner up and out thru the wall to dust-treating equipment installed on a small platform attached to the outside of the building. An inexpensive custom treater can be made by using an auger from an old, discarded combine and a commercially-purchased automatic dust feeder. It can be powered by running a small belt thru the wall to the cleaner.

An estimated 2,200,000 bushels of wheat seed planted for the 1950 crop were treated by using stationary, custom cleaning-treating outfits. Portable custom cleaning-treating outfits treated an estimated 1,100,000 bushels.



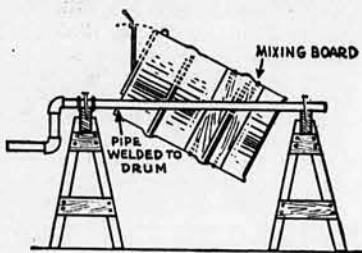
CONCRETE MIXERS are used on many Kansas farms to mix seed and chemical dust for treating against disease.

About the same number of bushels were treated by farmer-operated treating equipment.

Treated seed is poisonous. Never feed it to livestock. It should never be sold for milling purposes either.

How Long to Store Grain

The question often arises about danger to seed germination and storage length. Copper carbonate-treated seed may be stored indefinitely. Ceresan-treated wheat, sorghum, and flax seed should be left uncovered in a bin, pile or sacks for at least 24 hours before seeding. Oats and barley require at least 48 hours. Usually, treated wheat, oats, barley and flax should not be stored more than 2 months before seeding time. However, Ceresan rarely causes any damage, even when it is on



THIS OIL-DRUM mixer thoroughly covers seed coats in treating seed against disease.

the seed for a year, provided seed is kept dry. Treated sorghum seed should not be stored more than 2 weeks because of uncertainty as to effect on germination.

What Farmers Find

Kansas farmers have had some profitable and interesting experiences in treating their grain seed. The practice is growing in popularity and profitability.

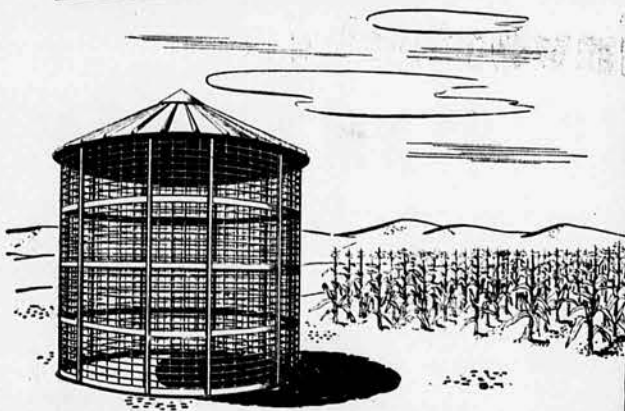
In Reno county, it is estimated about 50,000 acres of treated wheat seed was sown last fall for this year's harvest. The Farm Bureau made a portable seed cleaner and treater available at a charge of 7 cents a bushel. In 29 tests the last 2 years in this section of Kansas, seed treatment made an average increase of 3.6 bushels of Osage oats per acre. County agent Charles A. Hageman says, "If we get 3 bushels increase on 35,000 acres of oats next year in Reno county, this practice would be worth over 105,000 bushels. At 50 cents a bushel this would be a total of \$52,000. At a cost of 5 cents per acre for treatment, or \$1,750, there would be a net increase of more than \$50,000."

In Seward county a large seed cleaner-treater is owned and operated by Alvin Mattkin. Last year, 42,000 bushels of wheat alone were treated. County agent V. S. Crippen helped line up the jobs and sold the public on planting clean, treated seed. Mr. Crippen says, "Why should a farmer spend from \$3 to \$8 an acre to prepare a seedbed and not spend 15 cents preparing the seed? Why take the risk of not

(Continued on Page 31)

BEST... for the WEST

CLINTON WELDED WIRE FABRIC for Corn Crib

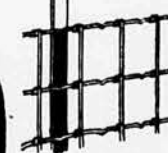


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will stand up under heavier loads than conventional corrugated roofing.

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is 56% stronger than conventional grades of roofing.

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

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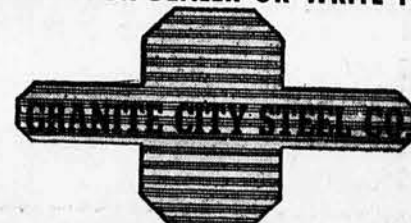
permits you to place girts and purlins farther apart—saves money and lumber.

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

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

SEE YOUR DEALER OR WRITE TO



GRANITE CITY, ILLINOIS

One STANDS OUT!



Among America's 4-H Girls it's **HAROLDINE AMIS**
Covington, Oklahoma

National Food Preparation winner in 1949; State Dairy Foods Demonstration winner 1948 and '49. Awarded Rural Rotatory trophy as the outstanding girl in county, 1949. Haroldine, 17, is State 4-H club secretary and is president of county 4-H Federation.



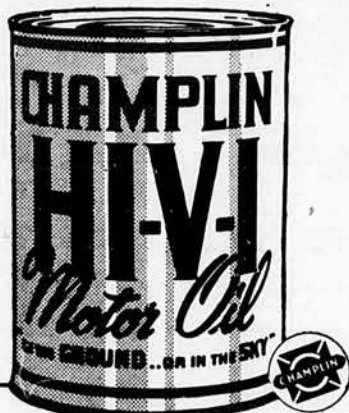
Haroldine is working on her 4-H record book which contains data on the 58 projects she has completed during 8 years of club work. It was chosen as one of 6 best in nation on Food Preparation. An outstanding student, Haroldine has made the highest grades in her class the past 4 years.



A state officer of the National Jr. Vegetable Garden Ass'n. Haroldine is proud of her prize-winning garden. In addition to her 4-H work she finds time to play Softball and is a member of the high-school basketball team.

Among **MOTOR OILS** it's
Champlin HI-V-I!
WITH TWIN-ACTION
LUBRICATION PROTECTION!*

HI-V-I gets its name from its high viscosity index . . . ability to flow instantly and freely at starting speeds . . . to retain sufficient body for safe high-speed lubrication of engines.



Because of this, HI-V-I motor oil won't break down or thin out . . . engines are lubricated completely at any temperature! HI-V-I picks up sludge matter and holds it in suspension to be drained with the oil . . . no danger of abrasive wear with HI-V-I motor oil in engines.

*Stands up at boiling and above!
Flows freely at zero and below!

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NEW Adjustable Drop-Apron FEEDER

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.

Model 2A-DFI

Maybe you didn't realize it, but . . .

Grapes Will Grow in Every County

By JAMES SENTER BRAZELTON

SEPTEMBER is the month for grapes in Kansas. Grape growing is still a flourishing industry in Doniphan county, altho acreage now cannot compare to what it once was.

Brenner and Doniphan, 2 ghost towns of this area, owed their former existence to a very flourishing wine industry which had its beginning about 1850. Famous wine cellars of that day are still intact, and the town of Brenner took its name from the family most prominent in the important wine-making industry. Doniphan was a river town and between 1860 and 1870 thrived by its commerce in wine by the hoghead. According to local history it was not uncommon for 3 or more river freighters to be loading wine at the same time at the port of Doniphan.

Grape growing in Doniphan county had its beginning when early French immigrants settled here and attempted to grow grapes on these hills like they were grown in the homeland. Even to this day harm is done by following and disseminating foreign practices which are not adapted to conditions and varieties in this country. Old World grapes were introduced at the beginning of the Colonial period and their culture was attempted for 200 years.

Concord Is Standard

After repeated failures with these, growers finally turned to the wild species of America. Early plant breeders like A. S. Rogers, Jacob Moore, and T. V. Munson succeeded in developing many varieties popular today. Just 100 years ago Ephriam Bull, of Concord, Mass., one of these experimenters, gave us the Concord, which serves as a standard by which other American grapes are judged. It belongs in the group of black grapes, ripens in mid-season and is of good quality. The plant is hardy, vigorous, productive and resistant to pests. It is the most widely-planted variety in Kansas.

Here is what R. W. Campbell, Kansas State College, has to say about some newer varieties being tried out in the vineyard on the horticultural farm at Manhattan. Seneca—high-quality, weak vine, low yield. Sheridan—similar to Seneca, better when grafted. Steuben—purplish-black, desert quality, productive, Geneva selection. Seibel 1,000—French-American hybrid, productive, black, high quality, bunches and berries small, apparently hardy. Ontario—yellow, early, good dessert quality.

Grape growing on a commercial scale is confined to a few localities in Kansas. According to horticultural authorities at Manhattan, grapes could be grown in nearly every county in the state. But commercial development should be restricted to those sections in which climate, soil and markets are especially favorable. Leading counties in order of present grape acreage are Doniphan, Johnson, Wyandotte and Shawnee with the planting in Doniphan county exceeding the sum of that in the other 3 counties. Reno and Sedgwick counties lead in the central part of the state.

To the list of those who have made grape history should be added the name of a Kansas man, Emmett H. Schroeder, of Hutchinson. This man is the owner of a most remarkable collection of grapes. In a very short time he has built up a collection that rivals the famous collection at the Geneva, N. Y., fruit experiment station. From every available source he has assembled grape varieties that would tax the ability of a botanist to describe. In this collection he has at least 50 vinifera varieties, the European grapes that are the basis of the California wine and raisin industry.

One can scarcely believe more than 5,000 grape varieties have been named and described in the last 2 centuries in America. European varieties thru crossing with American species have had a strong influence on varieties grown here. French grape breeders have developed a wide range of wine grapes that carry the quality of the Old World varieties, and the disease resistance and hardiness of American varieties.

Mr. Schroeder has dozens of these

French hybrids in his collection. He has more than 50 hybrids from the lifetime's work of Munson, down in Texas. The new varieties from the Geneva station are represented by 21 kinds, and the newer breeding work in South Dakota is represented by 13 varieties. He has more than 60 varieties developed by the early experimenters of this country.

In the Schroeder vineyard French-America hybrids are purposely grown under the most adverse conditions to eliminate those lacking resistance to disease and insects. Mr. Schroeder says, "It is true they are not all good, neither are they as an individual variety adaptable to all climates and soils. But among them are varieties suitable to almost every part of the United States and to every soil type, for the table, juice or wine. Many of them have fruit closely approaching that of the fine vinifera varieties."

The history of grapes dates a long time back. They were probably first cultivated by the early Greeks and later by the Romans. The Bible, both the Old and New Testaments, abound with references to either grapes or wine. Grape seeds have been found entombed with the mummies of Egypt. Early American history relates the story of "Leif the Lucky" with his band of adventurers from Iceland landing on the shores of America about 1,000 A. D. and naming the country "Wineland" because of the wild grapes found growing in such profusion.

Franciscan monks brought grapes from Europe to California in the latter half of the 18th century, and because of the favorable climate the plantings were successful and provided the parent stock for what has now become a great industry.

Grapes have long been celebrated in song and story. They have been the inspiration or provided the title for such modern books as Steinbeck's, "The Grapes of Wrath," and Joseph H. Cocannouer's, "Trampling Out the Vintage."

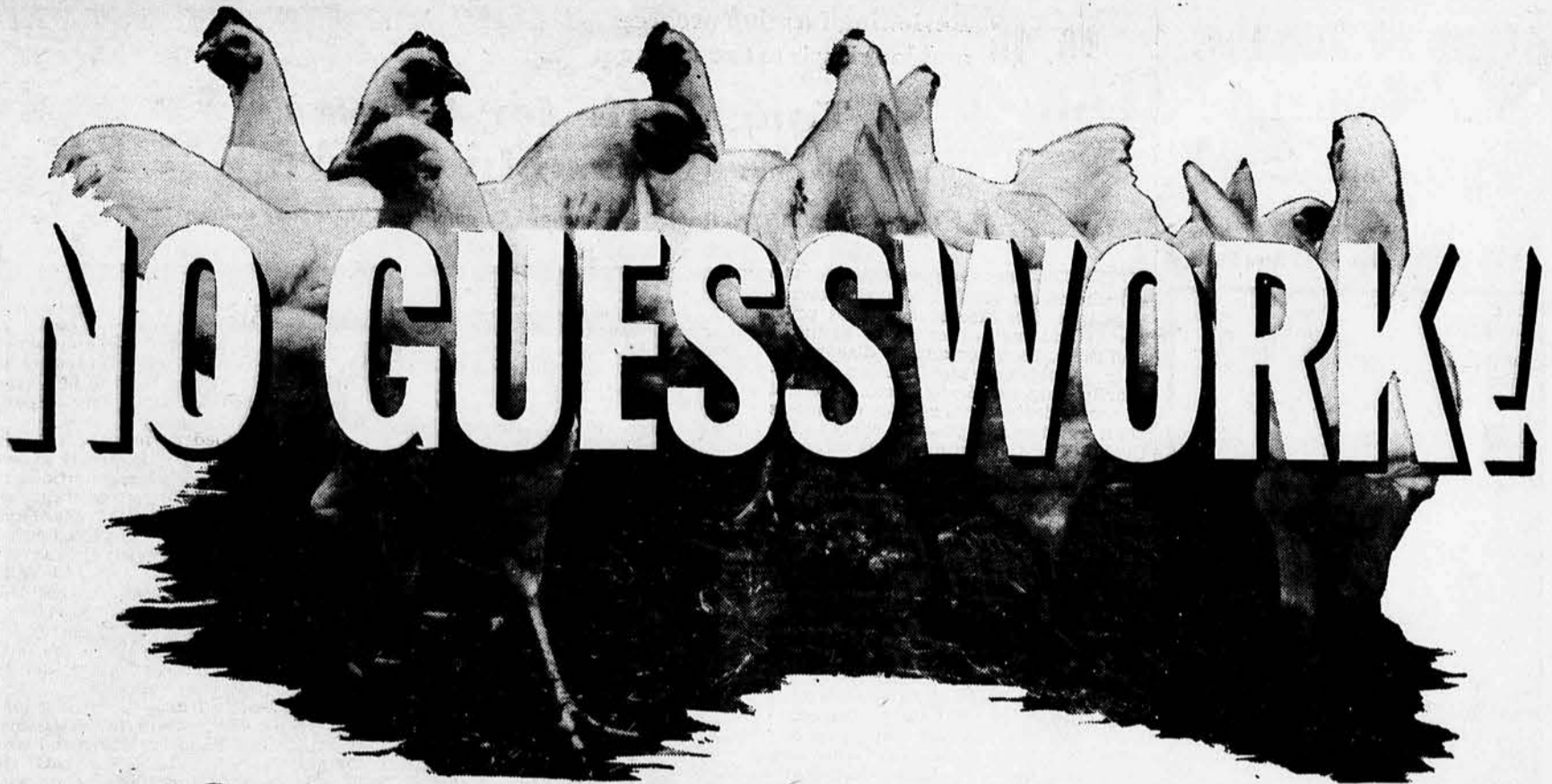
For Beauty, Also

Grapes could be used to good advantage in landscaping Kansas farm homes. The vines offer a wide variation in decorative use, while at the same time producing a crop of delicious fruit to eat out of hand. One of the most decorative of the grapes is the Delaware, which also produces the fruit that is used in the production of champagne. The vines come into bearing the third or fourth year, can be trained to high or low trellises, bear annual crops and even in winter give decoration to a garden with their mahogany-colored canes. They do not demand rich soil but must be planted in full sun to properly ripen their crops of fruit.

Grape vines may provide a welcome shade to a doorway, give privacy to an outdoor living room or, trained on a trellis, may make a shaded walk from house to well or house to garage and at the same time supply plenty of fruit for juice or jelly or for eating fresh. Other varieties that may be suggested for landscaping use are Robidoux, recently introduced by the Missouri experiment station; the yellow Portland, an excellent eating grape; Catawba, famed in poetry and song; Fredonia, an early black grape and Kendaia.

To Ladies in Weighing

If you are overweight or underweight and desire to guard your figure and health, you will be interested in the handy purse-size booklet, "Down the Scale or Up." It is written in a clever, humorous style, easy to read and understand. A table of calories in various foods is given in the last 6 pages of the booklet. We can give your order prompt attention as long as our supply of booklets last. Please address Farm Service Editor, Kansas Farmer, Topeka, and include 5c for mailing charges.



You Can Know RIGHT NOW How Much Your Hens Will Pay When You Feed Them GOOCH'S BEST!

MASH-AND-SCRATCH METHOD
 (1 part GOOCH'S BEST to 1 part farm grain)
 Performance Chart for
GOOCH'S BEST 20% Layer-Breeder

To produce a doz. eggs when you buy 100# of GOOCH'S BEST 20% Layer-Breeder for:

- \$4.60 your GOOCH'S BEST cost is 10.9c per doz.
- 4.80 your GOOCH'S BEST cost is 11.4c per doz.
- 5.00 your GOOCH'S BEST cost is 11.9c per doz.
- 5.20 your GOOCH'S BEST cost is 12.4c per doz.
- 5.40 your GOOCH'S BEST cost is 12.8c per doz.

NOTE: Cost of farm grain not included.

Pick out your hundred-weight price. Follow across to find your GOOCH'S BEST cost per dozen eggs.

26% FREE-CHOICE METHOD
 (1 part GOOCH'S BEST to 2 parts farm grain)
 Performance Chart for
GOOCH'S BEST 26% Laying Supplement

To produce a doz. eggs when you buy 100# of GOOCH'S BEST 26% Laying Supplement for:

- \$4.80 your GOOCH'S BEST cost is 7.6c per doz.
- 5.00 your GOOCH'S BEST cost is 7.9c per doz.
- 5.20 your GOOCH'S BEST cost is 8.3c per doz.
- 5.40 your GOOCH'S BEST cost is 8.6c per doz.
- 5.60 your GOOCH'S BEST cost is 8.9c per doz.

NOTE: Cost of farm grain not included.

NOW YOU KNOW YOUR GOOCH'S BEST COST for a dozen eggs. These figures are based on actual egg production records, adjusted to the average expectancy for average layers under good farm conditions and good management.

IF YOU DON'T HAVE YOUR OWN GRAIN, YOU'LL GET COMPARABLE RESULTS FROM GOOCH'S BEST ALL-MASH.

NO GUESSWORK! These figures show at a glance your GOOCH'S BEST cost for a dozen eggs, whether you feed the Mash-and-Scratch or 26% Free-choice Method. Compare this cost to your selling price to see how much you make.

See How Much Better Egg Production on GOOCH'S BEST Can Be than Average!

Amount	Type of Feed	Gooch Experimental Farm Year-Around Production	Average Production
100 lbs.	GOOCH'S BEST 20% Layer-Breeder	55 dozen eggs	42 dozen eggs
100 lbs.	GOOCH'S BEST 26% Laying Supplement	82 1/2 dozen eggs	63 dozen eggs

With highly bred, closely culled birds on GOOCH'S BEST Laying Feeds under the best care and management, you can equal or excel these production records right on your own farm!



THIS IS IMPORTANT TO YOU!

You can depend on GOOCH to bring you the full benefit of the latest nutritional developments. That was proved again this spring when hundreds of poultry raisers who started their pullet flocks on GOOCH'S BEST recorded the fastest chick growth and development in their entire experience.

Look at this New Hampshire Red Cockerel which was a fryer at 8 weeks, weighing 2 pounds 12 ounces. The pen average was 2 pounds 7.38 ounces! Usually, you expect it to take 10 or 11 weeks to grow a bird of this weight.

What made this exceptional growth possible? It was the never-satisfied attitude of the GOOCH nutritional staff that brought you Condensed Sardine Fish Solubles, then Fermentation-Process APF, then—early this year—Aureomycin APF . . . all the latest developments passed on to you as soon as GOOCH proved that they were sound and right.

GOOCH'S BEST with Multiple APF has made birds grow as never before. You can have the advantage of this same kind of feed efficiency for your layers when you feed GOOCH'S BEST this fall!

Gooch Feed Mill Co., Lincoln, Nebr., Salina, Kans., Dalhart, Tex.

TAKE YOUR CHOICE . . . or GET BOTH AT YOUR GOOCH DEALER

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GOOCH WATERER

Check these advantages:

- 5-gallon capacity
- Zinc-coated steel
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- Removable top and pan

Here's What You've Been Asking For!

BIG 5-FT. GOOCH FLOCK FEEDER

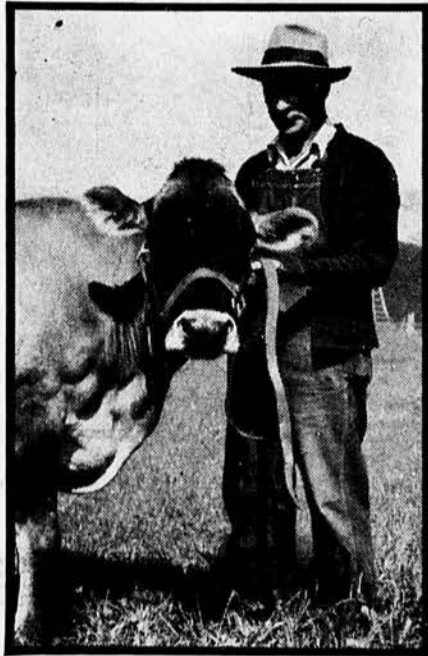
only \$3.29 with your purchase of GOOCH'S BEST

- Galvanized steel trough and ends
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- Chemically treated clear wood perches
- 16% larger trough

GOOCH'S BEST Feeder-Proved LAYING FEEDS

Gets 10,266 lbs. Of Butterfat From One Cow!

Leo Coppini Raised World's Lifetime Butterfat Champion On 15 Acre Ranch

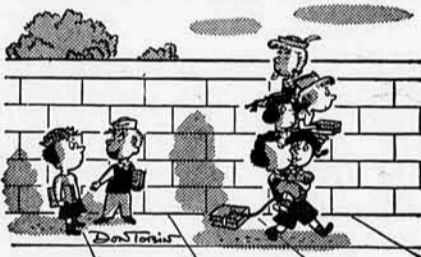


Leo Coppini shows his record-breaking cow, Silken Lady's Ruby of F. Leo's another of many farm champions who get farm-size breakfast nourishment from Wheaties!

FERNDALE, CALIF.—Leo Coppini, a Larro feeder, has always lived on the same 15 acre ranch. But his fame is nationwide. He's earned World's Lifetime Butterfat Production Championship of all breeds with his 20-year old Jersey, Silken Lady's Ruby of F.

* * *

"**OLD RUBY**" has produced 184,883 lbs. of milk, on two milkings daily. Milk enough to cover Leo's Wheaties! He likes plenty of real nourishment under his belt in the morning. Gets it—from Wheaties, milk and fruit!



"Before he ate Wheaties, he just carried their books!"

Four Generations of Coppinis have lived on ranch Leo now owns. Four generations of family are Wheaties eaters, too. Not unusual! Wheaties are America's favorite whole wheat flakes. Lots of people like you like Wheaties!

You get all the healthful bran and wheat germ in Wheaties. Fine family food! Give you B-vitamins, minerals, protein, food energy. All this, plus that famous second-helping flavor. For farm-size breakfast nourishment, tomorrow morning start your day with Wheaties, "Breakfast of Champions!"



Extra value with Wheaties. Coupons in Wheaties and other General Mills products for Queen Bess Pattern Silverware, by Oneida Community Silversmiths.



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

No. 16 Reviewing farming progress and looking into the future

Tough Life for Insects to Be Worse in Future

By **ROGER C. SMITH**, Head, Department of Entomology, Kansas State College

STRICTLY speaking, insecticides are chemicals which, in one way or another, kill insects (not just repel them) and such other forms as mites and ticks. Spectacular new discoveries in insecticides the last 50 years are primarily responsible for better control of many destructive species of insects than was thought possible early in the first half of the century. It is interesting to look back and see steps by which better insecticides were achieved.

Early in the first decade of the century, Paris green was the standard insecticide for chewing insects. It was first used in 1867 for control of Colorado potato beetle. I remember my father telling about the farmer who became tired of jarring potato beetles from potato plants into a bucket containing some kerosene, and went to a drugstore to buy some Paris green to kill the potato beetles. After he bought a small package, he said to the druggist, "Now tell me how I use this bug poison." The druggist said, "You catch the potato beetles and give each beetle a little of the poison on a toothpick." The farmer replied, "Oh, after I catch them, I just step on them and mash them." The druggist not to be outdone, replied, "Well, that's a good way, too."

Paris green had its faults, but when applied in time, gave good results against potato beetles, cankerworms, and similar leaf-eating species. My first venture with insect control with insecticides was helping spray the home orchard with Paris green for cankerworms.

Made Some Progress

Lead arsenate in the paste form appeared commercially in 1895, and the powder form, which was an improvement, appeared in 1909. Lead arsenate had some definite advantages over Paris green and very largely replaced it. Calcium arsenate appeared in the powder form in 1914 and was first used for dusting cotton in 1919. It, too, had some advantages, so it was thought real progress was taking place.

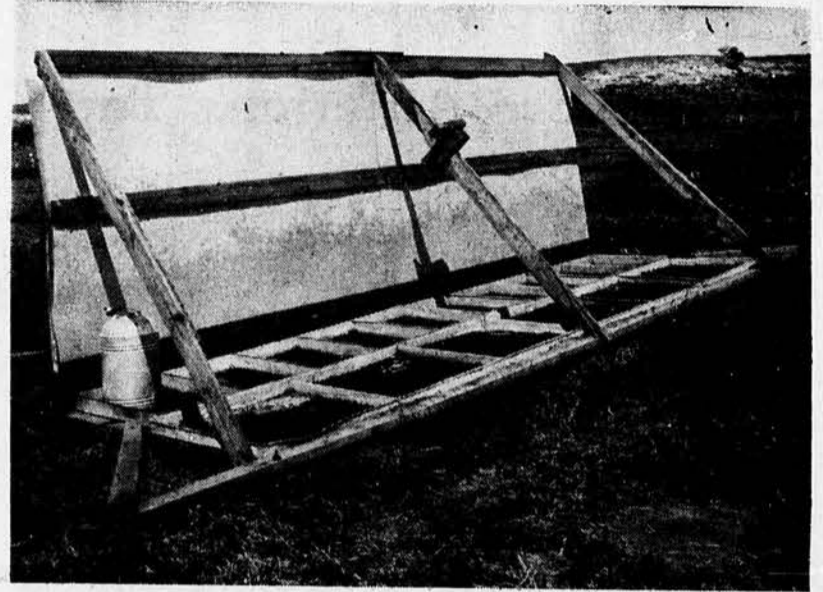
Neither of these arsenicals could be used in poison baits to destroy grasshoppers and cutworms, but Paris green and white arsenic began to be used early in the half century with considerable success. Value of the Kansas bait made with either of these poisons in bran plus pulverized citrus and some molasses for county-wide grasshopper control campaigns was demonstrated in Kansas in 1913. Work with the poison baits since then has consisted primarily in testing substitutes for all of the ingredients, using sodium fluoride, sodium arsenite and finally at the close of the half century, chlordane or toxaphene as the chemical poisons mixed in part bran and sawdust.

The general objections to arsenical insecticides caused studies to be made of fluorine compounds, so that early in the first half century, sodium fluoride became a practical remedy for roaches and chicken lice. Since this material could not be used on plants, sodium fluosilicate, barium fluosilicate and sodium fluoaluminate, commonly known as cryolite, were developed for killing insects on plants and in poisoned baits. All of these materials, particularly cryolite, are recommended commonly for certain pests under certain conditions today.

Safe for Man

The fluorine compounds are poisonous to man, so more and more attention was given to testing the so-called botanical insecticides. This term includes the well-known pyrethrum which has been most commonly known in farm homes as "insect powder." More recently, derris, which is a rotenone bearing compound of plant origin, became widely used for application to such plants as lettuce, beans, tomatoes, and similar garden plants used for human food. It is safe as far as man is concerned, but expensive for large-scale applications and ineffective against many insects.

At the close of the first half century, the killing effectiveness of pyrethrum has been strengthened by addition of



REMEMBER THIS? It's an old-fashioned hopperdozer for catching and destroying grasshoppers under conditions in which bran mash baits were not satisfactory. Spraying vegetation upon which grasshoppers are clustered with Chlordane or Toxaphene has replaced the hopperdozer.—Photo by Department of Entomology, Kansas Agricultural Experiment Station.

certain chemicals called synergists, and more recently, a chemical has been made which closely resembles pyrethrum. It has just been given the name allethrin. Perhaps at the close of the next half of this century, chemically made pyrethrum will be widely used for insect control where there is danger of poisoning man or livestock.

Insecticides so far mentioned, other than the so-called botanicals, have no effect on such sucking insects as aphids. These insects constitute serious problems in greenhouses, on vegetable crops, ornamental plants, house plants and virtually all other kinds of plants. Applying tobacco dust to plants to discourage plant lice is a very old practice, so chemists made extracts of tobacco to obtain the poisonous alkaloid known as nicotine, in concentrated form. It was found to be highly effective for control of plant lice and some other sucking insects. "Black Leaf 40" is such a common brand the public often uses this term as the equivalent for nicotine sulfate, but there are numerous other brands containing standard 40 per cent of nicotine by weight. This valuable insecticide is still a standard chemical for use in control of aphids, and possesses certain advantages over some of the newer insecticides as well as some disadvantages.

Has Been Replaced

Lime-sulfur early became the standard insecticide for control of scale insects and has been used thruout the first half of this century. It is still useful for scale control, but miscible oils

and DDT very largely have replaced lime-sulfur spray for this purpose.

Early in the century, application of insecticides in dust form became popular with some very definite advantages. Applying dusts wastes insecticides but saves time. Highly specialized machinery and equipment for application of insecticidal dusts have been developed, ranging from the simple plunger-type of garden duster to powerful blower-type dusters by which large areas or tall trees can be dusted in a short time.

Disadvantage of dust applications is that they are likely to blow away in windy weather, so at the close of the first half of the century, greater emphasis is being placed on spraying with less use of dust except for small hand-operated equipment. There is a great variety of power sprayers with the trend towards one-man machine for use in orchards and fields.

The science of entomology had settled down in a comfortable rut near midway in the half century, resigned to the use of these and some other well-known standard materials for insect control. It is true chemists, entomologists, and others were trying to increase the advantages of each of the old insecticides and reduce the disadvantages so they would be more widely used. It seemed foolish, however, to think of spraying fields of corn, wheat and alfalfa so that farm practices were thought of as the main practical method of dealing with field crop pests.

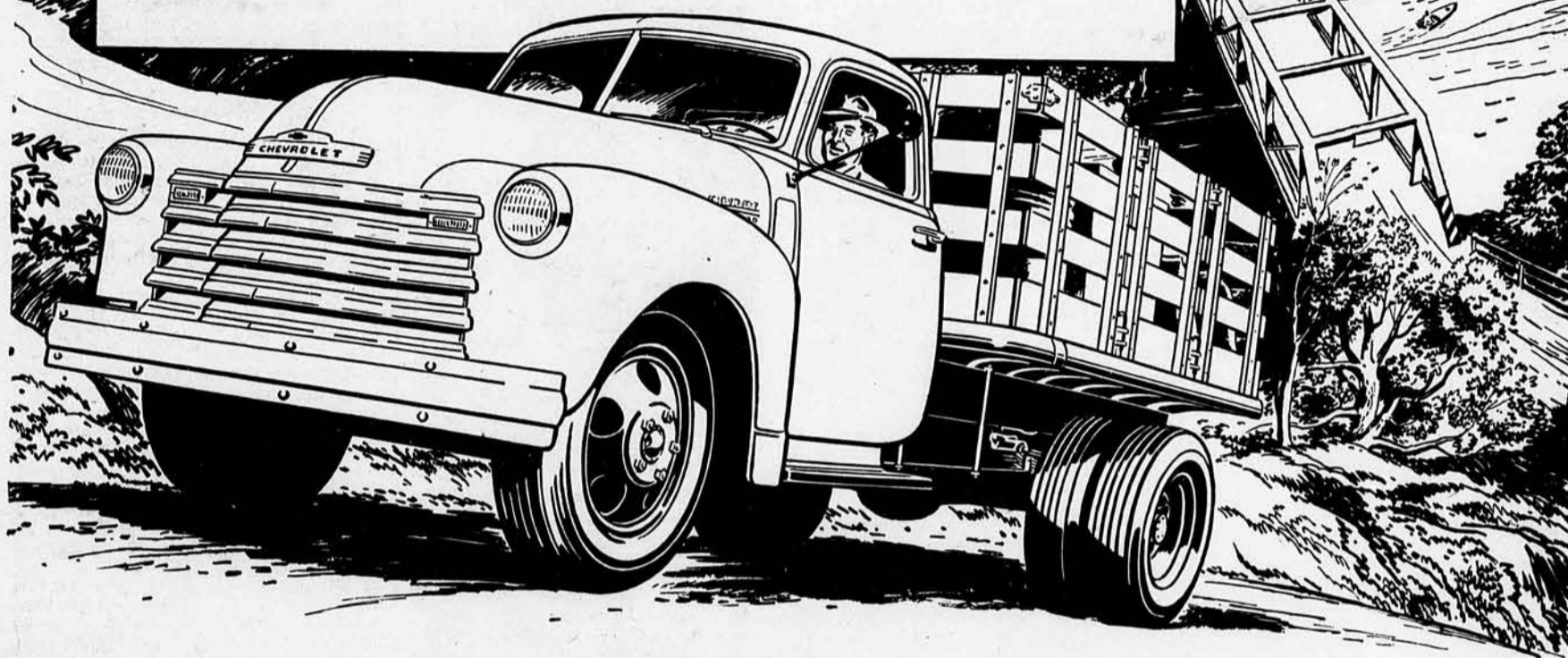
But in 1941, it was discovered a compound now known as DDT, which first had been made in 1874 and set on the

(Continued on Page 16)



UP-TO-DATE METHOD of grasshopper control is spreading Chlordane spray by airplane. This new chemical is a good 'hopper poison with lasting effects of from 1 to 3 weeks. Note airplane flies very low to do the job.

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For low cost per ton mile, Chevrolet trucks are the choice of thrifty farm owners. Chevrolet's rugged construction and all-around economy cut running and upkeep costs—let you haul your loads with real reductions in operating expense.

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

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Chevrolet trucks have led in demand and sales for the last eight consecutive truck production years . . . are far ahead again this year according to current registration figures. Here's convincing proof of greater owner satisfaction.

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

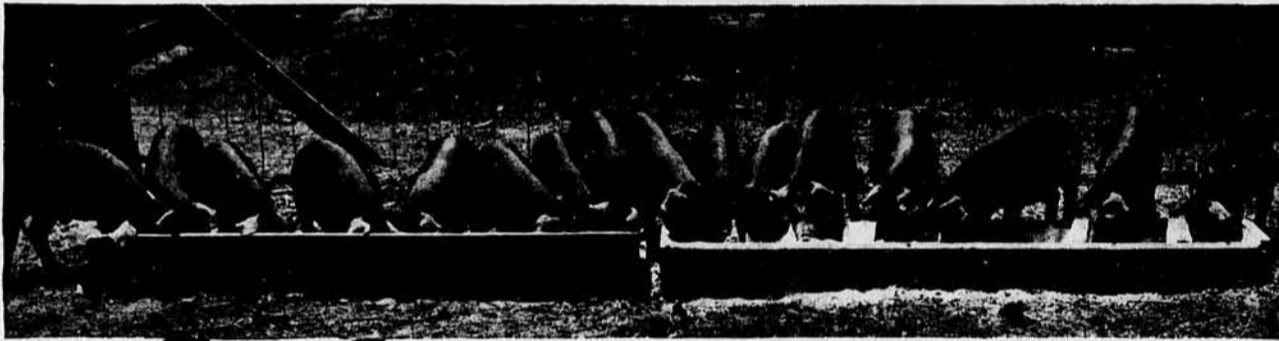
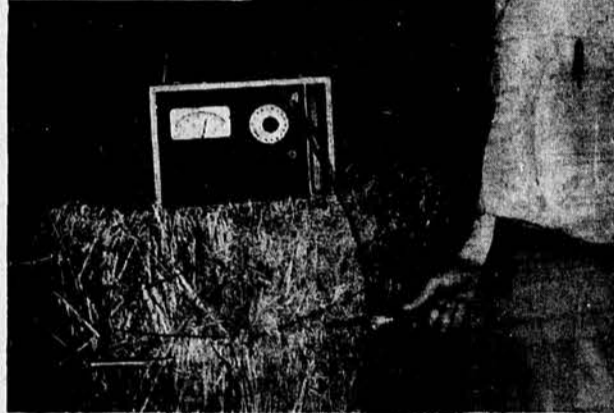
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Farm Service Bulletin



1 STRAW MARKETING SIMPLIFIED—Buyers pay best prices for straw with no more than 10% moisture content. An accurate battery-type straw tester has been developed by USDA, cooperating with an instrument maker and the strawboard industry. Makes it easier to arrive at the fair price per bale.

2 TO FIGHT INTERNAL PARASITES—Two methods can be used, says USDA. Follow *either* one of them for 8 to 12 weeks. (1) Feed pigs skim milk or whey once daily in place of one regular feeding. (2) Every third week feed skim milk for 3 days in place of all other feed.



3 ANTI-BIOTIC IS AID TO CHICKS—Basal ration containing vegetable proteins was fortified with an antibiotic—in addition to vitamin B₁₂. Rate of growth in this USDA test was improved 10% to 15% over same ration fortified with B₁₂ alone. Inquire through your county agent.



4 TROJAN GREASES ARE TOUGHER—Try them for better lubrication and greater weather protection... for steadier work from your tractor—car—truck. You can get correct Trojan types and grades for all your equipment. Talk it over with your helpful Cities Service Farm Representative.

CITIES



SERVICE

QUALITY PETROLEUM PRODUCTS

Accessories for the farm



5 THE BEST OIL KNOWN TO SCIENCE—It's Cities Service Premium Koolmotor... made by the "Heart-Cut" process. Guards engine life better... seals power tighter... adds greater smoothness. Buy from your Cities Service Farm Representative.

Tough Life

(Continued from Page 14)

shelves for more than 60 years, had remarkable insecticidal properties. It not only killed flies with surprising thoroughness, but the chemical continued to kill flies when any came in contact with the sprayed surface for weeks afterwards.

Residual Killing

I can remember when I first heard of this claim. It seemed so incredible I did not take it seriously. But the claim was true and is now so widely known and understood that residual killing has come to be a desired property of most new insecticides. Of course, Paris green and lead arsenate killed leaf-eating insects for days after the application to leaves providing it was not washed off. But the residual effectiveness of DDT persisted for a varying length of time despite various kinds of weather.

DDT Stimulated Study

DDT was first released to the public in 1945 and, in the 5 years at the close of the first half century, has become the most thoroughly investigated and discussed insecticide the world has ever known. Use of DDT for insect control is an epochal and revolutionary in entomology as the energy of atomic fission is in the field of physics. DDT controls many species better than was possible by any earlier known insecticide. It stimulated chemists and industry more than any other insecticide discovered in a search to find other organic compounds which would give better control for pests for which DDT was not satisfactory. So, in rapid succession, came chlordane, toxaphene, benzene hexachloride, methoxychlor, tetraethyl pyrophosphate, hexaethyl tetraphosphate and parathion. At end of the half century, the pure gamma form of benzene hexachloride known as lindane, which provides a remarkably satisfactory insecticidal material without the main objections of technical benzene hexachloride, became available to the public. Aldrin, dieldrin and others scarcely out of the screening and testing stage, are becoming well known laboratory terms.

No Serious Complications

But the new insecticides in some ways are too good. They have resulted in residue hazards under certain conditions which, at the close of the first half century, are being carefully assayed. There are suggestions that DDT when applied to the soil persists so long the soil may be unfavorably affected. The fear expressed by some observers that the so-called "balance of nature" may be seriously upset by wide-scale use of DDT has so far proved of minor importance. At the close of the first half of the century, all these new problems are being energetically investigated with no very serious complications discovered so far in extensive tests.

According to Dr. F. C. Bishop, assistant chief of the Bureau of Entomology and Plant Quarantine USDA, more than a billion pounds of insecticides are used annually, but despite this astronomical figure, insects will cause damage of food crops estimated at 4 billion dollars a year. New materials are needed to stop this damage.

So the first half century closes with a large array of new insecticides, rodenticides, and fungicides. Each appears to have certain advantages and one or more disadvantages. Each is proving satisfactory for control of one or more pests but less satisfactory for others.

Hunt "Ideal" Insecticide

The ideal insecticide has not yet been discovered. The ideal appears to be a compound as widely effective against a great range of pests as parathion with its freedom from residue hazards to man and livestock: the safety of pyrethrum or derris to man with the long residual property, the compatibility with fungicides and weed killers and the cost of DDT. Chemists throughout the world are searching for just such an insecticide and, as a result of their searches, chemicals with surprising new properties and uses are being discovered. No one seems to think the ideal insecticide is impossible to attain. It is as has been described for American ingenuity, "the difficult we do quickly, but the impossible takes a little longer."

How Would You . . .

- Raise 50,000 Broilers?
- Get Higher Egg Prices?
- Remodel a Laying House?
- Raise 5,000 Turkeys?



HOW THEY GROW: In 10 or 12 weeks, these broilers on the August Scheetz farm, Shawnee county, will be on a restaurant menu. Mr. and Mrs. Scheetz look over some of the 50,000 broilers produced each year.

SEEKING is believing. That is why folks are taking an increased interest in the many farm tours planned by Kansas State College Extension service.

Take poultry tours, for instance. In Shawnee county this season—just as in many other counties in Kansas—farmers interested in poultry took a day off to tour the county for on-the-farm inspection of top-quality poultry programs.

At the Scheetz Leghorn farm, near Topeka, visitors saw 2 entirely different types of poultry programs—production of 50,000 broilers a year for specialized restaurant trade, and raising 1,500 pullets for laying-flock replacement.

Four Important Points

Broilers on the Scheetz farm are raised in batteries because, says Mr. Scheetz, battery production is best where you are starting and finishing batches of broilers every week. Some points learned about broilers at this stop were:

1. Broilers grow slower in hot weather.
2. Good-quality chicks should be used.
3. A good high-protein commercial feed should be used thruout the growing period.
4. For profit the birds should reach 3 pounds by 10 to 12 weeks.

You can't have a good flock of laying hens in the fall unless you do a good job of growing pullets. At the Scheetz farm, early pullets are preferred because they come into production when egg prices are highest. "Range shelters are the most important piece of equipment for developing good pullets," says Mr. Scheetz. Rye is used on the range and pullets are fed a pullet-developer feed, plus whole oats. They are allowed to go several hours during mid-day without feed. "It helps their digestion to get their stomachs emptied out every day," Mr. Scheetz explains. A main point stressed at all farm stops was this:

Egg prices are always above aver-

age from August to December and below average after December. That means you must get your chicks early for early-fall production, if you want to cash in on best egg prices.

At the W. A. Young farm, visitors looked over a flock of 500 New Hampshire pullets (March and early April hatch) being grown on range for early-fall production. Visitors also were asked to make suggestions on how to remodel an outdated laying house.

This laying house, built in the 1920's, is 30 feet by 54 feet, but divided lengthwise with a partition in the middle. The house also has a stepped-up roof over one half with cloister windows at the top for light. The old roosts are too high off the floor and the house has other defects. The Youngs wanted to know how to remodel it with a minimum of costs. Here are the recommendations made by M. A. Seaton, Kansas State College Extension poultry specialist:

1. Take out the lengthwise partition and put in a part partition across the depth to make 2 rooms 30 by 27 feet.
2. Put in straw loft to improve ventilation.
3. Take out old roosts and put in modern droppings pits with roosts on top 18 inches above floor instead of the present 30 inches. Roosts would consist of 7 perches 14 inches apart.
4. One square foot of open front was recommended for each 10 square feet of floor space. Muslin curtains should be used to close openings in bad weather.
5. Use of built-up litter was suggested to cut down labor. Experiments have proved that birds are actually healthier where built-up litter is used.

Too Much Light?

The Young poultry house is darker than most and the Youngs were wondering whether this was bad. Mr. Seaton pointed out that light is not as essential as generally believed. In fact, he says, there will be less cannibalism if the house is not too light.

Mr. and Mrs. U. R. Zeller and their

(Continued on Page 18)

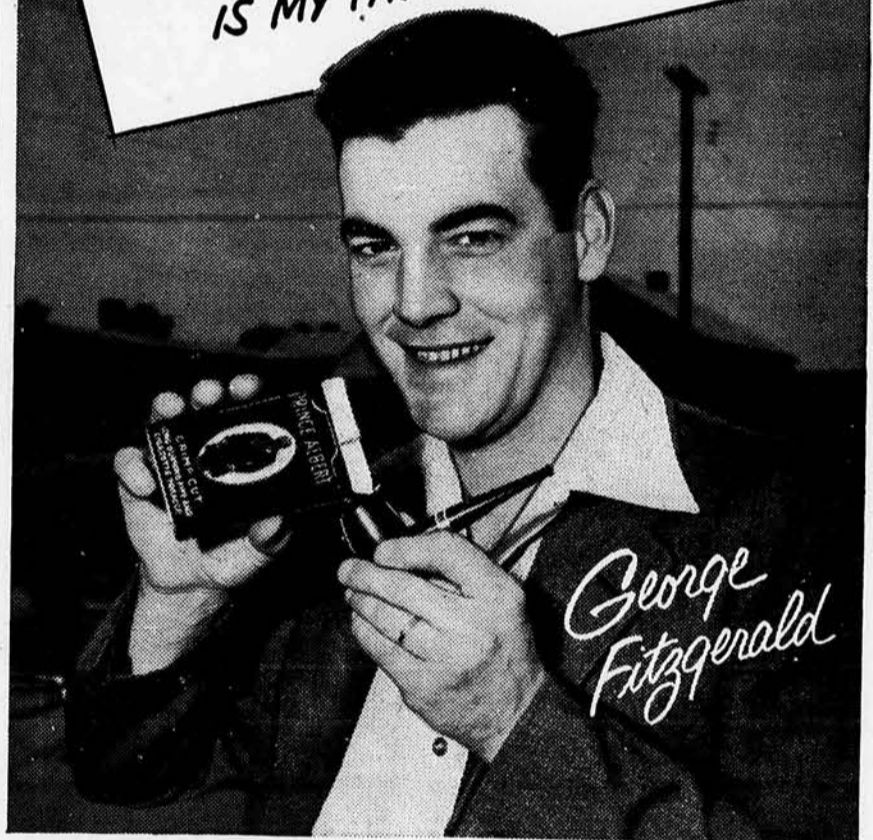


CONTEST: Mr. and Mrs. Rudolph Krasny, center, help M. A. Seaton, right, tell the story of a laying contest between hybrids and Leghorns conducted on the Krasny farm. Results not yet complete.

"For real pipe comfort, I smoke crimp cut PRINCE ALBERT,"

says George Fitzgerald,
dance caller

"I FOUND REAL PIPE JOY WHEN I CHANGED TO TONGUE-GENTLE PRINCE ALBERT. RICH-TASTING P.A. IS MY FAVORITE SMOKE"



Prince Albert has the natural fragrance of choice tobacco. Yes, you get a richer-tasting, milder smoke in a pipeful of crimp cut P. A. — specially treated to insure against tongue bite.

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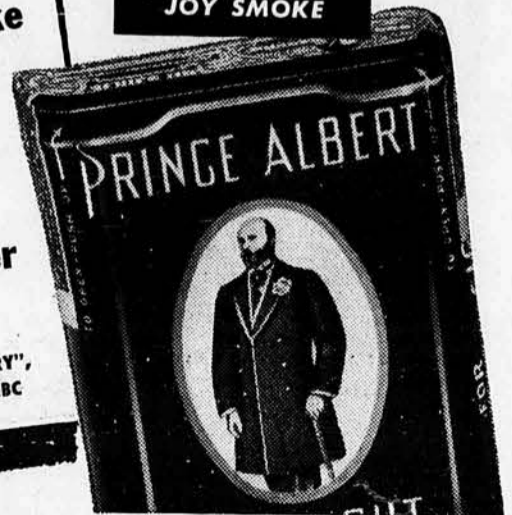
More men Smoke

PRINCE ALBERT

than any other tobacco

TUNE IN "GRAND OLE OPRY",
SATURDAY NIGHTS ON NBC

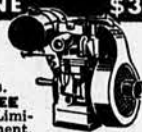
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Write for prices. Special discounts now
Good territory open for live agents.

NATIONAL TILE SILO COMPANY
636 Livestock Exchange Building
STATE SIZE WANTED KANSAS CITY 18, MO.

How Would You?

(Continued from Page 17)

daughter, Connie, took the visitors on a tour of the Zeller Royal Turkey Ranch. They have a breeding flock of 450 hens and annually raise some 5,000 turkeys, in addition to selling hatching eggs. The Zeller flock is U. S. Pullorum clean, highest possible rating.

Most important point brought out here was that turkey production is a highly specialized business that is profitable only for experts. "Turkey raising shouldn't be dabbled in just when conditions look good," explained Mr. Seaton.

Visitors at the turkey farm were amazed to find the value of poultry manure in soil building. Mr. Zeller said his land was light sandy soil that blew badly when he moved there. His first

year on the farm his wheat made only 11 bushels, his oats 18 bushels an acre. After 3 years of raising turkeys on range, plus alfalfa in the crop rotation, Mr. Zeller had corn that made 102 bushels, 4 acres of wheat that made 70 bushels, and his oats made 90 bushels an acre.

Mr. and Mrs. Rudolph Krasny find poultry is profitable—better than their ewe flock—when handled on a volume basis. They had been reading that farmers should either "get in or get out" of the poultry business, so they "got in."

They remodeled an old horse barn, used the regular laying house, and converted an old shed so they had room for 500 layers. This year they started out with 700 sexed pullets hatched Febru-

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LEARN LESSON: Farmers on the Shawnee county poultry tour look over range shelters, said by owners to be their most valuable piece of equipment for raising good pullets.

ary 17. They found they could buy chicks a little cheaper in January or February than in March or April.

Getting chicks cheaper and having them early enough for egg production when prices are high in fall, gives Krasnys a double chance for profit.

Altho the Krasnys do not sell eggs on a grade basis, they gather them 3 times a day in wire baskets and take them direct to the basement. It is important to cool eggs immediately to maintain their quality, says Mrs. Krasny. As a result of the special care given eggs, the Krasnys have a buyer who picks up their eggs and pays them a premium for quality. Poultry on this farm is proving so profitable the Kras-

nys are building a new 26- by 70-foot laying house, using latest plans recommended by Kansas State College.

While at the Krasnys, visitors also heard preliminary figures on a laying test between hybrid and Leghorn chickens during the last laying season. The Krasnys were conducting the test for a hatchery.

A point stressed by Mr. Seaton was to vaccinate for Newcastle while chickens are about 10 weeks old, because waiting until pullets are in production causes them to fall off in eggs.

Wing vaccination will upset birds more than nostril application, Mr. Seaton explains, but is more sure and will give longer immunity.

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The Coffee
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CHOICE
IN OVER A
MILLION HOMES

The Farm Favorite

Butter-Nut
The **COFFEE**
DELICIOUS



TAKES KNOW-HOW: Producing prize Broad Breasted Bronze turkeys like these takes experts, says M. A. Seaton, center, Kansas State College poultry specialist. With him are, left to right: Preston Hale, Shawnee county agent; U. R. Zeller, Mrs. Zeller, and daughter, Connie, owners of the Zeller Royal Turkey Ranch.

Market Lamb Production Contest Is Announced

A NEW 1950-1951 Kansas Market Lamb Production Contest is being announced. Co-operating in the project are the Chamber of Commerce of Kansas City, Mo., and Kansas State College, Manhattan. A folder describing the project in detail has been mailed to all Vocational Agricultural teachers and county agents. The contest will be based on good practices recommended for the last several years by Kansas State College Extension livestock specialists and the animal husbandry department.

Will Award Plaques

Awards will consist of plaques and certificates of merit. To the 4 highest scoring flocks in each of the 2 competitive classes will go bronze and walnut plaques. Certificates of merit will be offered to the next 4 places in each class for honorable mention. For highest scoring flock, a sweepstakes prize consisting of a silver trophy will be awarded. All awards will be presented at the annual bred ewe sale of the Kansas Sheep Breeders Association to be held in the fall of 1951. Carl Elling, Kansas State College Extension animal husbandryman, is state chairman of the project.

Chf. J. Kaney, vice-president in charge of the Chamber's agricultural department, says there are several reasons for launching the project. "There has been a large depletion of farm flocks of

sheep in Kansas. The committee wishes to encourage farmers who like to raise sheep to adopt the project and thus also increase Kansas farm income. Market lamb production fits in nicely with the entire average farm set-up in most of Kansas and helps balance the farming enterprise and the farm income. It is hoped many flock owners who have gone out of the sheep business, because of annoying incidents such as predatory animals and stray dogs, will be induced to get back in," says Mr. Kaney.

Winners of the contest will be decided by a contest committee. The scoring form will be based on weight of lambs marketed per ewe, weight and grade of wool sold per ewe, feeding and management practices, and average age of lambs sold.

Money Makers for Club

Officers of clubs are now thinking of plans for making money and we can recommend the leaflet, "Money Makers for Your Club." There are several suggestions which may appeal and which are entertaining. For a copy of the leaflet, please address Entertainment Editor, Kansas Farmer, Topeka. Price 3.



BLUEBERRY MUFFINS PLEASE: Add 1 cup canned blueberries to regulation muffin recipe.

FILL PAN 2/3 FULL: Stir any muffin mixture only until the flour is moistened.



“M” Is for More Muffins

By Florence McKinney

A WONDERFUL way to serve bread is the muffin way. In stores there are muffin mixes. On your shelves there are makings for many varieties from blueberry to pecan muffins. There are quick-mix breads of the muffin type, baked, however, in loaf pans. Here we offer several to tempt you and your guests.

Blueberry Muffins

- | | |
|------------------------------|---------------------------------|
| 2 cups sifted enriched flour | 1/4 cup sugar |
| 3 teaspoons baking powder | 1 egg, beaten |
| 1 teaspoon salt | 1 cup milk |
| | 2 tablespoons melted shortening |
| | 1 cup blueberries |

Sift together flour, baking powder, salt and sugar. Combine egg, milk, blueberries and shortening. Add liquid to flour mixture, stirring only until flour is moistened. Fill greased muffin pans 2/3 full. Bake in hot oven (425° F.) for 20 minutes. Makes about 16 to 18 small or 12 medium-sized or 8 large muffins.

Pecan Muffins

- | | |
|------------------------------|---------------------------------|
| 2 cups sifted enriched flour | 1/4 cup brown sugar |
| 3 teaspoons baking powder | 1 egg, beaten |
| 1 teaspoon salt | 1 cup milk |
| | 2 tablespoons melted shortening |
| | pecans |

Sift together flour, baking powder, salt and sugar. Combine egg, milk and shortening. Add liquid to flour mixture, stirring only until flour is moistened. Fill greased muffin pans 2/3 full. Place a pecan half or a teaspoon of chopped pecans on top before baking. Sprinkle with sugar. Bake in hot oven (425° F.) for 20 minutes. Makes 16 to 18 small, 12 medium-sized or 8 large muffins.

EAT YEAR AROUND: For good eating, add chopped pecans to regulation muffin recipe.

Corn Kernel Muffins

- | | |
|------------------------------|---------------------------------|
| 2 cups sifted enriched flour | 1 egg, beaten |
| 3 teaspoons baking powder | 1 cup milk |
| 1 teaspoon salt | 2 tablespoons melted shortening |
| 2 tablespoons sugar | 2 cups canned or fresh corn |

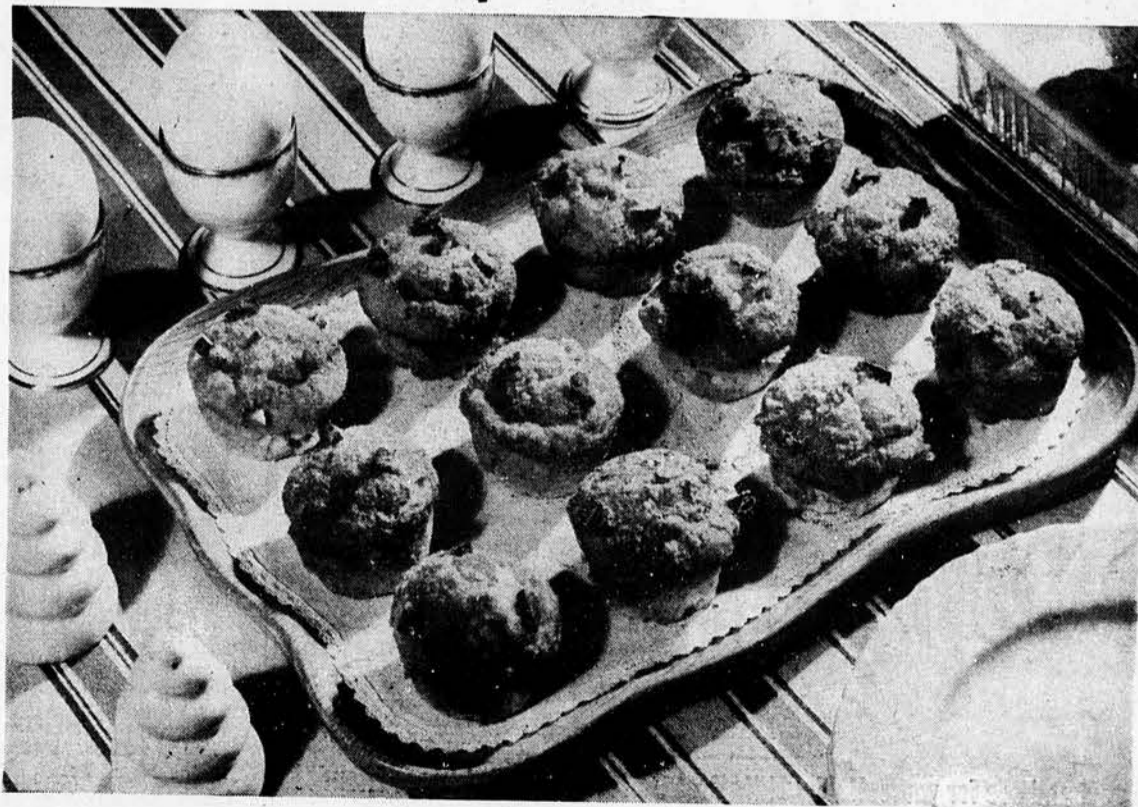
Sift together flour, baking powder, salt and sugar. Combine egg, milk, shortening and corn. Add liquid ingredients to flour mixture, stirring only until flour is moistened. Fill greased muffin pans 2/3 full. Bake in hot oven (425° F.) 20

minutes. Makes 16 to 18 small, 12 medium-sized or 8 large muffins.

Apricot Upside-Down Coffeecake

- | | |
|----------------------------------|---------------------------------|
| 1 1/2 cups sifted enriched flour | 1/2 teaspoon salt |
| 2 teaspoons baking powder | 1/2 cup sugar |
| | 1 egg, beaten |
| | 1/2 cup milk |
| | 3 tablespoons melted shortening |

Sift together flour, baking powder, salt and sugar. Combine egg, milk and shortening. Add to flour mixture, [Continued on Page 20]



stirring until the mixture is smooth.

FILLING

¼ cup butter ¼ cup brown sugar
16 cooked dried apricot halves

Melt butter in 8-inch square pan. Sprinkle with brown sugar. Arrange apricot halves evenly over butter-sugar mixture. Cover with coffeecake batter. Bake in moderately hot oven (400° F.) for 25 minutes. Makes 1 coffeecake.

Ruby Cranberry Coffeecake

1½ cups sifted enriched flour 1 cup mashed bananas
2 teaspoons baking powder 1 egg, beaten
½ teaspoon soda ¼ cup melted shortening
1 teaspoon salt 4 slices canned cranberry jelly
½ cup sugar 16 pecan halves
½ cup chopped nuts ¼ cup sugar

Sift together flour, baking powder, soda and ½ cup sugar. Add nuts and mix well. Combine bananas, egg and shortening. Add to flour mixture, stirring until smooth. Pour into greased 8-inch square pan. Cut slices of cranberry jelly into ¼-inch-thick slices and then cut into quarters. Place pieces of jelly evenly on top of batter. Put a pecan half on top of each piece of jelly. Sprinkle entire top with ¼ cup sugar. Bake in moderately hot oven (400° F.) for 30 minutes. Makes 1 coffeecake.

Applesauce Bread

2 cups sifted enriched flour ¼ teaspoon cloves
¾ cup chopped nuts
3 teaspoons baking powder 1 egg, beaten
¼ cup brown sugar
1 teaspoon salt 1 cup applesauce
¼ cup melted shortening

Sift together flour, baking powder, salt and cloves. Add nuts. Combine egg, brown sugar, applesauce and shortening. Add to flour, stirring only enough to moisten flour. Pour into greased, lined loaf pan, 8½ by 4½ inches. Bake in moderate oven (350° F.) for 50 minutes to 1 hour. Makes one 1-pound loaf.

Bit O' Meat Muffins

2 cups sifted enriched flour 1 cup milk
3 teaspoons baking powder 1 teaspoon horseradish
1 teaspoon salt 2 teaspoons Worcestershire sauce
2 tablespoons sugar 1½ cups diced cooked meat
1 egg, beaten 4 hard-cooked eggs, diced
2 tablespoons melted shortening

Sift together flour, baking powder, salt and sugar. Combine egg, milk, shortening, horseradish, Worcestershire sauce, meat and diced eggs. Add liquid ingredients to flour mixture, stirring only until flour is moistened. Fill greased muffin pans ¾ full. Bake in hot oven (425° F.) for 20 minutes. Serve hot. Makes 12 large muffins.

News To You?

Provide enough electric outlets for all your lamps and appliances. Space them every 12 feet along the wall and in small areas about 3 feet apart.

Soap and heat set more summertime stains. Sponge with cold water, then rub with glycerin and wash as usual.

Mildew is extremely difficult to remove. Best prevent it. Air, sunshine and dry heat will aid in preventing its growth.

When your child is old enough to choose his clothing, accompany him to the store and let him make his own decisions.

When you give your child an allowance, don't make it a payment for little jobs around the house or farm. And don't tell him how to spend his allowance either. Guide the spending thru family talks in day-by-day living.

Gates at top and bottom of stairs are a safety measure in a home where there are creeping children.

Be careful with fluorescent light bulbs after they are burned out. Bury them, so there'll be no temptation for children to play with them. The glass shatters easily and the inside coating of the tube is dangerous.

Kansas Libraries



WANT a good book to read? There's a way . . . an easy one. You can get from one to 50 books to augment your small community library or to arrive at your own house just for yourself. This service is offered by the State Library and the Traveling Library at the State House in Topeka.

Any resident of Kansas is eligible, so you may count yourself in. If you want one book and up to 5, write to the State Library and all you pay is the return postage and you may keep them for 3 weeks. If you live in a community with a town under 2,000 people, any community group is eligible to get trunks of books from the Traveling Library. These trunks are packed with the books you request in 25- and 50-book sizes. The fee for the former is \$1.50 for 4 months. The larger, 50-book trunk will arrive for a fee of \$2.50 and it may be kept 6 months.

The Traveling Library will be able to send you almost all kinds of books, children's, books on crafts of all kinds, fiction, history, biography, nearly anything you wish. The State Library carries a wide variety but no fiction. Postage alone will bring you from 1 to 5 books on a 3-week loan basis.

Here we are again with another letter from a farm woman reader concerning the library situation in her county. It shows the interest of folks in the relationship between good reading and good citizenship.

Dear Editor: At a recent meeting of our home demonstration unit, we discussed our library service in Marion county. It seemed most of the women were of the opinion that services in this part of the county were satisfactory as we have a nice public library in our town, plus school and church libraries.

Later I visited the librarian in our town and found things quite different. She said schoolteachers from all over

the county come in and ask for as many books as they're allowed to take out. These are teachers from small town schools as well as those from rural districts. The reason is that over a period of years, insufficient funds have been provided to replace or buy new books for school libraries in addition to public libraries. I was surprised to learn there are many homes that do not take daily papers or magazines.

I'm not exactly able to say how libraries should be supported. However, I cannot think of a better way than by some form of taxation.

If we do not provide proper reading material for our schools, public libraries and homes, we'll pay for it with the lives and conduct of our children. I'm wondering whether the trash we see on the newsstands isn't already the result of neglect along that line.

Personally, I can't see why the average rural home can't have sufficient reading material. We have many magazines at moderate prices that contain articles of interest to every member of the family. If parents read, it isn't difficult to encourage children to read, and most families have the means to supply their homes with books and magazines.

I realize school children need to read certain books along with their studies that are not found in the average home. Parents expect the school libraries to provide them, so we as parents must support the best possible method to supply our libraries with good books.

Farm life for me would be dull without reading material. Regardless of where we live we must keep up with the times. I can never find the time to read all I'd like. We can get some points of view on current events over the radio, but to get the most out of life and broaden our minds, we must read. Anyway we can promote more and better reading is another step toward better citizenship.—By Mrs. Karl Seifert.

Something Different . . . Pansy Doily



The center of the pansy doily is white, the edge made of shaded lavenders and shaded whites. Pattern with directions and picture will be sent for 5 cents. Write to the Home Service Editor, Kansas Farmer, Topeka, and ask for Pansy Doily, number 5911.

make friends

with Hills Bros friendlier flavor!



Trademarks Reg. U.S. Pat. Off.
Copyright 1950—Hills Bros. Coffee, Inc.

Try it and see for yourself why Hills Bros Coffee makes and keeps friends!

Hints for the Jelly Maker

Sugar is sugar, that is if it's granulated. It is made from either sugar beets or sugar cane and the final products are exactly the same. One is exactly as good as another when making jelly and other fruit preserves.

A full, rolling boil, so often mentioned in jelly recipes, means a full, high, tumbling boil that can't be stirred down.

It's not wise to double a jelly recipe. Follow the recipe exactly, measure every ingredient with a standard measuring cup and the boiling time to the minute. Measure all fruits after they are crushed. This is because of difference in size of fruits.

The jelly bag may be squeezed or not as you choose. Squeezing will increase the quantity and flavor of the jelly, but it will not be quite as clear as when allowed to drain naturally.

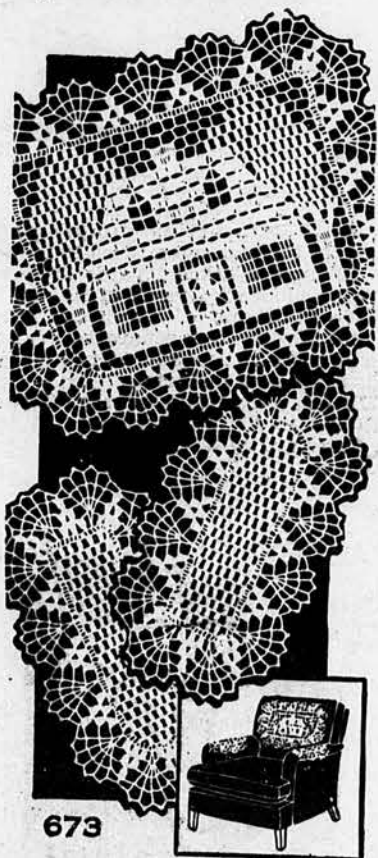
Commercial pectins may be used in making any jelly and are necessary with some fruits that lack enough natural pectin. Bottled pectin cannot be substituted for powdered pectin. The recipe on the bottle or package should be followed exactly. Use of commercial pectin increases the amount of jelly considerably.

Weeping jelly or the separation of a small amount of sirup is normal and will not spoil unless mold begins to grow on the seepage. To prevent weeping, leave a half-inch space at the top when filling the jars and cover carefully with paraffin, cover tightly and store in a dark cool place.

For Peppy Parties

For September entertainment ideas, let us suggest our leaflet, "A School Days Party," (price 3c). It gives invitation, decoration and game suggestions. Another leaflet for the beginning of the fall season is our jolly playlet, "A Ticket for Amy." Requires 3 characters and scene is laid in railway ticket office. Price 5c. We can give your order prompt attention. Please address Entertainment Editor, Kansas Farmer, Topeka.

Easy and Unusual



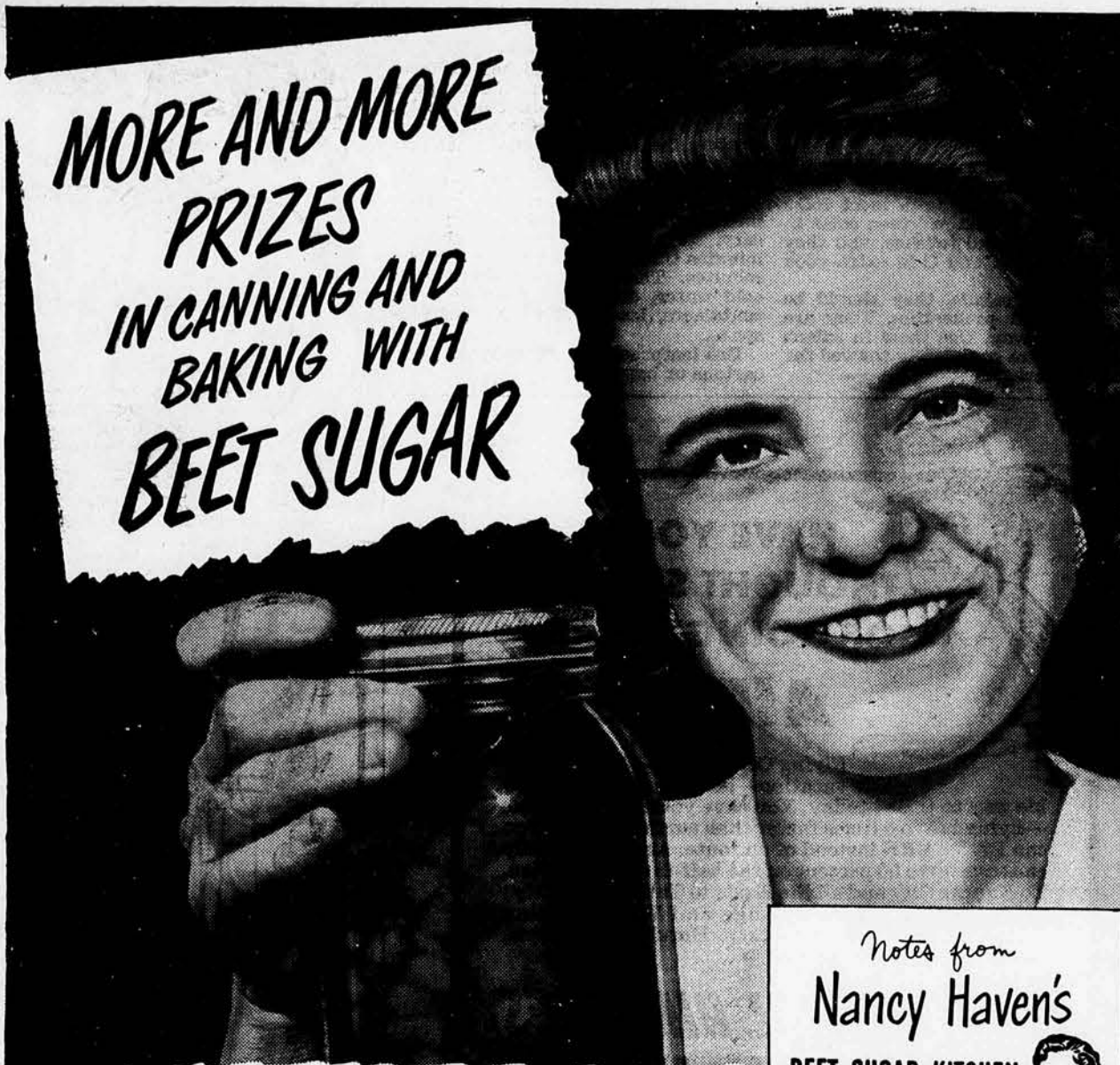
673

Laura Wheeler

This is the house that you can build with your crochet hook. New and unusual design for chair-set. It's plain crochet with petal-mesh. Crochet the center then add the border. Use No. 30 cotton. Complete directions included.

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

MORE AND MORE PRIZES IN CANNING AND BAKING WITH BEET SUGAR



MRS. LYDIA SCHROEDER of Wauwatosa, Wisconsin, a blue-ribbon winner in the home-economics exhibition at the 1949 Wisconsin State Fair.

"My canned goods and baked goods have won lots of prizes at the State Fair in the past ten years," says Mrs. Schroeder, "and Beet Sugar has been a prize-winning ingredient in all my entries. I know it's a perfect performer."

Thousands of U. S. housewives agree completely with Mrs. Schroeder. They know from their own experience that there's no better sugar than pure Beet Sugar—the sugar prize-winners use—for home-canning, baking, and all kinds of cooking. And at the table, too. So next time you buy sugar, be sure to tell your grocer you want Beet Sugar. One or more of the famous brands—shown below—are always available in your community.

PEAR-ORANGE HONEY

- 3 large (3 cups sliced) oranges
- 8 large (9 cups sliced) pears
- 1/4 cup lemon juice
- 9 cups Beet Sugar
- 1/2 tsp. powdered ginger
- 1/4 tsp. salt

Wash but do not peel oranges; quarter and slice crosswise into thin wedges. Wash, peel, core and quarter pears; then slice crosswise into thin wedges. Combine all ingredients in large saucepan. Boil 35 to 40 minutes or until mixture gives jelly test by sheeting from clean metal spoon (219°-221° F. on candy thermometer). Pour into hot sterilized jars or jelly glasses, seal or paraffin at once. Makes about 4 pts. or eight 8-ounce glasses.

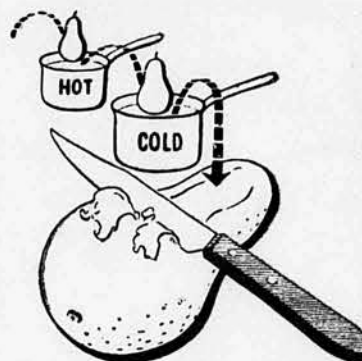
IMPORTANT! Beet Sugar is a 100%-American product. When you buy Beet Sugar you are supporting an important home industry.

Notes from Nancy Haven's

BEET SUGAR KITCHEN



Pointers on Pears



Peel Them With Ease by scalding first in hot water for about 1 minute. Then plunge pears into cold water. Use a light scraping motion to remove the yellow under the skin.

Bake Them To Please

Pour over 6 unpeeled pears a syrup of 2/3 cup Beet Sugar, 1/2 cup water, 2 tbsps. butter or margarine, 1 tbsp. lemon juice, and 1/2 tsp. almond extract. Cover and bake in mod. hot oven (400° F.) about 1 hour or till tender, basting occasionally.

Nancy Haven

Consumer Service Department
Western Beet Sugar Producers, Inc.,
P. O. Box 3594,
San Francisco 19, California

YOUR BEST BUY IS **Beet Sugar** WESTERN BEET SUGAR PRODUCERS, INC.



Freeze Before Frost

GREEN peppers, if they are firm and crisp are excellent for home-freezing. That's good news for the farm homemaker whose pepper plants are most heavily laden just as frost approaches. Freezing is an easier way and quicker too, than canning. Green peppers are popular with most folks for they add a dash of green color to favorite salads and relishes, and they offer vitamins A and C in extra-good measure.

For use in salads, they should be frozen without preheating. They are crisper that way. Use them in salads before they are completely thawed for the sake of crispness.

For use in cooked dishes, preheat them because it softens the peppers, makes them pack more compactly. Here are directions for freezing: Wash peppers, cut out stems, cut in half, remove seeds and slice or not as desired. Unheated halves or slices may be packed directly into containers and put into the freezer. No headspace is necessary. For preheating, give halves 3 minutes time in boiling water, slices 2 minutes. Then chill immediately in cold water, drain and pack tight in containers, leaving a half-inch headspace.

Use leafproof, moistureproof jars, cartons or bags.



HAVE YOU EVER THOUGHT SERIOUSLY OF GOING THERE *by* AIRLINE?

Flying Continental—to market or vacation—is the practical, sensible way to travel today. You save your valuable time—flying is 4 to 6 times faster than surface travel. You can **BE THERE** instead of en route. And your family can save up to 50 percent on the half-fare family plan. To Kansas City and all the East; to Tulsa, Okla. City; to Denver, Colorado Springs and West. Serving Wichita, Topeka, Kansas City, Hutchinson, Salina, Dodge City, Garden City.

CONTINENTAL AIR LINES



Prize cook Mrs. C. H. Parrett says, "I wouldn't use any yeast but Fleischmann's."

Topeka Mother Wins Kansas Free Fair Cooking Contest

Gary, Larry and Celia Parrett proudly hold up Mom's ribbons for all the world to see. Mom is Mrs. C. H. Parrett of Topeka, Kansas, who carried off 4 first prizes in cookery at the Kansas Free Fair. Says prize cook Mrs. Parrett, "Good cooking takes plenty of practice, but it also takes the finest ingredients.

When you bake at home, for instance, you have to use the best yeast for the best results. I wouldn't use any yeast but Fleischmann's. It's always fast and lively and dependable. It's never once let me down." **That's right!** Prize-winning cooks prefer Fleischmann's Yeast to all others.

Fashioned for Fall

Only One yd. of 54"



ONE MAIN PIECE

9325
SIZES
10-18



9192
SIZES
2-12



9222
SIZES
12-20; 40



9375
SIZES
14-20
32-42



4616
SIZES
10-16

9192—A smart western trio to be worn anywhere. Sizes 2 to 12. Size 6 skirt and bolero takes 1 1/2 yards of 39-inch material; blouse 1 1/2 yards of 35-inch.

9325—Just one main piece to cut and takes one yard of 54-inch material. Misses sizes 10 to 18.

9222—Casual dress with mandarin collar. Three main pattern parts. Sizes 12 to 20 and size 40. Size 16 takes 4 1/2 yards of 39-inch material.

9375—Double-breasted frock with bib effect and slantaway pockets. Sizes 14 to 20 and 32 to 42. Size 16 takes 4 7/8 yards of 35-inch material.

4616—Smooth-fitting jumper and blouse for the teen-ager. Sizes 10 to 16. Size 12 jumper takes 4 yards 39-inch material; blouse 2 1/4 yards of 35-inch.

4727—Backbone of wardrobe. Mix and match with other separates. Waist sizes 24 to 32 inches. Size 28 takes 1 7/8 yards of 54-inch material.

4718—Practical and pretty. Sizes small (14 to 16) and medium (18 to 20). One yard of 35-inch material for small size.



4727
WAIST
24"-32"



Only One yard small size

4718
SIZES
S-14-16
M-18-20

**Books
On Review**

Tree Crops

If your farm land is washing away, if you have rocky, hilly pasture land yielding little or no profit, if you need a windbreak which will also pay you money, here is a book for you to read. "Tree Crops, A Permanent Agriculture" is written by Dr. J. Russell Smith who is an authority on the subject of trees for the purposes mentioned. He has much to say in his book on experiments every farmer can and should try out. It is illustrated with many photographs of both good and bad management, land with and without trees and the results. We think this is a book which might well be a monetary asset to any farmer. It is published by the Devin-Adair Company, 23 East 26th Street, New York 10, N. Y. Cost \$6.

Party Games

Here is a new and different book of party games that contains the favorite get-together pastimes of Hollywood and Broadway celebrities. Every game is described in easy-to-play fashion, making it suitable for any adult or teen-age party. The book contains 31 such games. "Party Games" was written by Maggi McNellis and Hubie Boscowitz and published by Prentice-Hall, Incorporated, New York City. See your own public library or your bookstore. Cost \$1.95.

For Fall Programs

"So Much a Dozen." Cast of 13 men, women and children. Surprising and hilarious.
 "A Ticket for Amy." Comical play. Scene laid in railway ticket office. Three characters.
 "Over the Garden Fence." Playlet written in poetry. Two women characters. Simple stage scenery. Suitable for community, club or girl's Sunday-school class.
 There are a few of the plays we have to offer readers. Please address Entertainment Editor, Kansas Farmer, Topeka, and enclose 5c for each copy desired.

Growing Roses

Since most authorities agree that fine roses should be planted in the fall, we recommend a new book on their culture which gives detailed instructions on every point. "Growing Roses" by Frank R. Norris, is a small paper-bound book for the beginner. It includes several full-page colored photographs of roses and drawings explaining their culture. It covers everything from soil treatment, spraying to pruning. It lists the most suitable types to grow in this area. This book is published by the Borden Publishing Company, Los Angeles, California. Cost \$1.25.

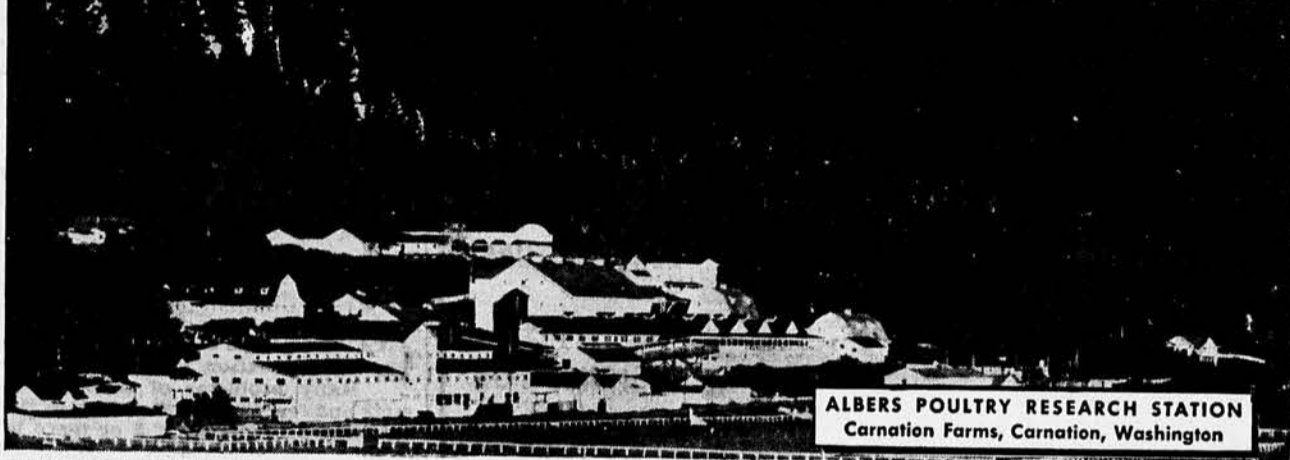
Montana, Here I Be

This rugged homespun yarn about a frontier Robin Hood is told with vigor and humor. The exhibits of Comanche John, the famous road agent, on the Montana trails of the 60's will please the regular Western fans and convert some new ones. Here is good entertainment. Suitable for a birthday or Christmas gift for the young folks. Written by Dan Cushman, it is published by The MacMillan Company, 60 Fifth Avenue, New York 11, N. Y. Try your own public library. Price \$2.50.

Halloween Party Plans

A new leaflet has been prepared which includes plans for a complete evening of games, fortunes and stunts. A suggested menu is included. It will be suitable for any age from teen-agers on up. To get this leaflet send 3 cents to the Farm Service Editor, Kansas Farmer, Topeka.

NOW Your FLOCK CAN MAKE THE PROFITS from 31 Years of ALBERS RESEARCH!



ALBERS POULTRY RESEARCH STATION
Carnation Farms, Carnation, Washington

ALBERS EGG MAKER, Developed Here For You, Offers NEW Laying-House Profits!

Available at Last to Midwest Egg Producers - FAMOUS ALBERS EGG MAKER... Proved Through Years of Exhaustive Tests at the Giant Albers Research Station. (above)

We knew 31 years ago, when the first flock went on test here, that honest RESEARCH... not razzle-dazzle... would produce the feeds that give growers top profits. Today, with important nutritional discoveries coming so rapidly, Albers Research is more valuable than ever before. You can be positive Albers Egg Maker includes every sound development which has proved itself after conclusive tests at the Research Station.

Plus that, Quality Control laboratories at each Albers mill guarantee your Albers Egg Maker to be the exact duplication of the formula developed at the Research Station.

Careful studies of flock management, housing, sanitation... all phases of raising poultry profitably... have been made through these 31 years at the Station. Result?... The Albers Plan Book! A clear, illustrated guide to greater poultry profits, which you can read and understand completely in your own home.

The Famous Carnation-Albers Name Stands Behind This Statement!

We believe no better method exists for producing eggs at a profit than to follow the Albers Plan Book... and to feed your layers exclusively on Albers Egg Maker!



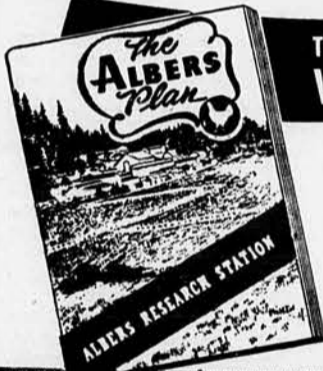
YOU CAN PROVE TO YOURSELF—in just one season—the value of Albers Quality Control! Quality Control Laboratories check every Albers mix to make absolutely certain it perfectly matches the tested Research Station formula. This means you get exactly the same high quality Albers Egg Maker this week, next week, all winter long!



LET THIS SPECIALIST HELP YOU to greater laying house profits. Your friendly Albers field man brings you the rich benefits of personal experience in poultry feeding, housing and care. You can contact him any time through your Albers dealer, for personal help in getting the many profitable benefits from the Albers Plan and Albers Egg Maker.



DEVELOPED FOR YOU AT FAMOUS ALBERS RESEARCH STATION!



TO HELP YOU GET BEST RESULTS WITH YOUR FIRST ALBERS PURCHASE WE'LL GIVE YOU THIS VALUABLE POULTRY BOOK!

This COMPLETE GUIDE To Poultry Profits May Save You \$100, This Season Alone!

128 pages of big, educational pictures of actual tests at famous Albers Research Station. Clear, down-to-earth suggestions for making poultry pay bigger profits. Contains everything you need to know about chickens from start to finish.

© 1950 Albers Milling Co.

SAVE THIS COUPON! (Offer expires Nov. 30, 1950)

When filled out and presented to your Albers or Spear Dealer, this coupon entitles you to one copy of the Albers Plan Book, with your first 300 lb purchase of Albers Egg Maker. Leave coupon with your dealer and your book will be promptly mailed to you. If your dealer does not sell Albers Egg Maker, write his name on this coupon and mail to Albers Milling Co., 1009 Baltimore, Kansas City 6, Mo.

Name..... RFD.....

Town..... State.....

Dealer's Name.....

I certify the above feeder has made an initial purchase of 300 lbs. of Albers Egg Maker, and is entitled to a free copy of the Albers Plan Book for Poultry.

Dealer's Signature.....

MAKE A BIRTHDAY GIFT to Grippled Children

The Capper Foundation for Crippled Children, Topeka, Kansas

NEW Jayhawk HYDRAULIC LOADER

Easy to Mount on the John Deere AR

and More Than 60 Other Row Crop and Wide Tread Tractors

Tested to 2850 Pounds.

Equipped with Patented Jayhawk automatic load leveler.

3-way bulldozer, sweep rake, 20-ft. hay crane and snow scoop attachments.



If you own a John Deere AR, the Jayhawk Hydraulic Loader will fit it, operating off the Pow-Trol on the tractor. No other pump needed. The Jayhawk also can be mounted easily on other hard to fit tractors, and on some 60 more conventional types.

Here is a loader that will handle a ton a minute, that has no overhead framework to interfere with operation in barns and sheds, and that you can attach and detach in three minutes.

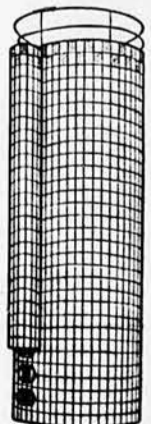
"It's the simplest and easiest to operate I've ever seen," writes a Kansas farmer. You will like the Jayhawk, too. Write for FREE CIRCULAR, low prices today.

THE WYATT MFG. CO., INC. JAYHAWK FARM IMPLEMENTS SINCE 1903 DEPT. L-437 SALINA, KANSAS

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Salina Concrete Stave Silos are constructed for a lifetime of durability and service. Heavy, power tamped, steam cured staves. Distributed locking joints. All steel, air-tight, free swinging doors. Many other exclusive features... and remember, a Salina Silo pays for itself as it earns for you! Write today for free folder.



The Salina Concrete Products Company

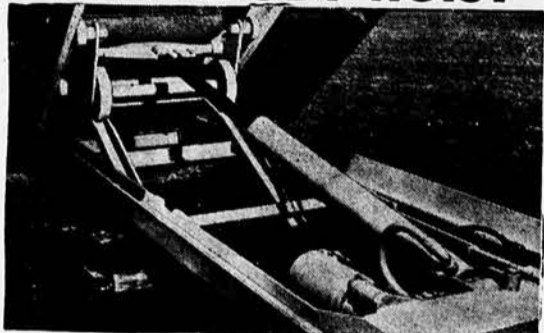
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LOWER MOUNTING — LOWER COST!

THE ONLY HEAVY DUTY HYDRAULIC HOIST IN AMERICA POWERED BY THE ORDINARY TRUCK BATTERY. Featuring new principles of design and engineered for the greatest efficiency, the Timberlock 333 is America's greatest new hoist. The use of power from the truck's battery eliminates the often troublesome power take-off mechanism. The battery, motor, valves, switches and hydraulic cylinder which compose the power unit are standard production parts of well-known manufacturers. The 333 is rated at seven tons capacity, but readily handles larger loads at lower speeds.

One Man Operation—Front and Rear of Truck



It's true! One man can handle all the operation of this new hoist. There are two sets of push button controls, one in the cab and one at the rear of the platform. The use of an extra battery is furnished at no extra cost. Helps solve winter starting problems. Send now for complete information.

Mfg. by **TIMBERLOCK CORP.**
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For complete information write or see
DAVIS-CHILD MOTOR CO.
HUTCHINSON, KAN.

OVER 20,000 FARMERS NOW USE THE GARRETSON SYSTEM TO

SAVE BIG MONEY! ON TRACTOR FUEL AND MAINTENANCE COSTS!



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We will send without obligation, descriptive literature and facts and name of your nearest Garretson Dealer.

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Gentlemen:

Please see that I receive complete details on the Garretson Carburetion System, direct or from my nearest dealer.

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City

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The Old Chisholm Trail

One of your favorite writers will have an article for you in the October 7, 1950, issue of Kansas Farmer. She is Lela Barnes whom you have enjoyed so much in her stories about early days in Kansas.

This time Mrs. Barnes will take you along the old Chisholm Trail where millions of cattle were herded to market. Be sure and watch for "The Old Chisholm Trail" in the October 7, Kansas Farmer.

If you would avoid disease and insect problems . . .

Move Your Garden

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

GARDENS too often are kept in the same location year after year. Many problems of diseases, insects and fertility are the result of this continuous cropping. If 2 or more locations are used, many garden problems would be handled.

Usually it is easier to keep the same garden location. No doubt there are some advantages—convenience to house, area already is fenced, near a water supply for irrigation, provided with natural or planted windbreak. These and similar features are often good reasons for keeping the same garden location too long.

A 2-area garden plan for growing vegetables may be a practical arrangement for you and help avoid some of the accumulated soil, disease and insect problems. In this system vegetables are grown on an area one year, and the other area the same year is used as a lot for poultry and is planted to a soil-improving legume crop.

Some advantages of a 2-area garden are that fall plowing can be done at the proper time. No long season vegetables will be in the way to keep the job from being carried out on time. Likewise, a longer and later fall garden program may be followed. The vegetable area will be in a soil-building crop the next year. Late vegetables can often remain until freezing weather requires their harvest. Some root crops such as parsnips can be left and harvested thruout the winter.

Aids Insect Control

Rotation of crops from one location to another will help handle many insect and disease control problems. Otherwise, they become more of a problem with continuous cropping. With the alternate use as a poultry area, both garden and poultry disease problems will be lessened. At the same time a more suitable garden soil-fertility program can be developed with 2 areas available. Either a fall and winter cover crop can be included, or a summer cover crop used if preferred.

Last but certainly not least in importance, the poultry should be kept up. Since, as is the case on many farms, both garden and poultry are near the house, this arrangement serves to keep poultry fenced in rather than fenced out of everything else.

It is time to plant a fall garden cover crop, whether you follow a 1-, 2-, or 3-garden area plan. A legume or a non-legume or a combination of these crops can be used. Where possible a winter legume crop should be used.

The best garden and orchard soil-building crop in most sections of Kansas is winter vetch, a legume. Our neighbors in Oklahoma and Missouri seem to make much greater use of this fine legume crop than we do in Kansas. Yet in a few Kansas counties, especially in Reno county, dairymen have found vetch an excellent pasture and soil-building crop when planted along with Balbo rye. Up to about the middle of September is a good time to seed vetch

and rye for most satisfying results. Seed cost as well as lack of seed sources and local experience with winter vetch have been reasons for limited plantings found in many sections of Kansas. Results at the Kansas State College horticultural farm for 25 years with winter vetch indicate it is one of our best garden cover crops.

As is the case with most legumes, in seeding vetch it is necessary to inoculate the seed. Also, in many sections, use of phosphate will greatly improve the stand, rate of growth and total value of the crop to be plowed under next spring. Seeding Balbo rye along with vetch is a good practice. Fifteen to 20 pounds of good vetch seed to the acre is enough.

Non-legumes such as rye, wheat, barley or oats also make a good cover crop. However, some of these will often require attention earlier next year than vetch if used as a green manure crop. Use of cover crops planted this fall, combined with a poultry range next spring and summer, should induce picking a new garden site in 1951.

If you do not have an alternate garden site or do not care to plant the entire area to a cover crop, you can arrange to use one third to one half or more of the garden space in cover crops this fall and winter. In late April this cover crop can be turned under in time for planting the main season crops such as tomatoes, beans, sweet corn and the vine crops such as cucumbers and squash.

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

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SECURITY - AVAILABILITY

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Write Dept. 14 for Information
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PORTABLE IRRIGATION PIPE

Light weight, easy to handle FLEX-O-SEAL Irrigation Pipe gets water to crops, orchards and pasture lands quickly easily at low cost. Flexible coupling permits use on level or rolling ground eliminating the need for many elbows and tees, thus reducing friction loss and wear on pump. Quick coupling speeds up assembly and removal from field. Pressure combines with gasket to seal joints. Available in Aluminum or galvanized 3, 4, 6 and 8-inch diameters. Write for FREE folder "Rain The Life Blood of Farming" and name of nearest dealer.

Chicago Metal Mfg. Co.
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FLEX-O-SEAL

For Dance Fun

It isn't too late to send for your copy of the popular little 30-page booklet, "Let's Square Dance." It gives the background and history of calls, definition of terms, and a list of available records. The supply is limited so we suggest an early order to Farm Service Editor, Kansas Farmer, Topeka. Price 3c.

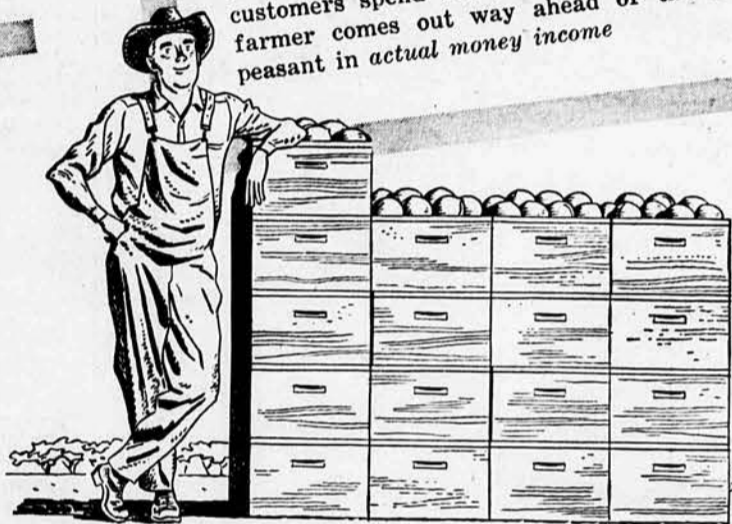
TWO WAYS TO SELL PEACHES...

Which pays farmers better?

This European peasant farmer grows some peaches — along with various other crops, all in small volume. He picks his peaches... carries them by basket to his town market place... sells them himself, direct to customers. Thus he receives *all the money* his customers spend for peaches. Yes, 100% of the customer's peach dollar belongs to him. But from this "one-man" marketing he can't begin to receive enough money for his peaches to afford improvement in crop quality, or to grow more peaches. Nor can he afford to specialize in peaches... because he has too many other jobs to do



This American farmer grows more peaches per man-hour than a European peasant ever dreamed of. He grows peaches of fine quality, too, because he's located where peaches do fine, and he specializes in peach-growing. Railroads and truckers haul his peaches. Processors can or freeze some of them. Modern stores sell the peaches fresh, canned, frozen. The people who provide such marketing facilities are paid *with the grower* from the dollar customers spend for peaches. Yet the American farmer comes out way ahead of the European peasant in actual money income



COMPARED to the market-it-yourself system, the American way sells many times more dollars' worth of peaches. American farmers can produce more efficiently—and they can specialize by crop or area—because modern marketing facilities are available to move their bigger, better production to customers.

True, growers here in America get less than 100% of the customer's food dollar. But... because there is mass consumption... they are able to farm on a mass production basis. Thus American growers receive *more money*.

The U.S. farmer's share of the food dollar spent for fresh fruits and vegetables today is around 40¢. This share drops to about 25¢ for canned fruits and vegetables. It hits around 28¢ for rolled oats, expensive to process... 70¢ to 75¢ for good grade beef, butter and eggs.

The grower's percent of the food dollar varies from crop to crop because one crop requires more processing, cleaning,

grading or packaging charges than another. Or entails more service charges for storage, wholesaling or freight.

Bigger share of Safeway dollar goes to growers

Safeway's business is the *retailing* of food.

This function, you know, is sometimes lumped with other charges under the blanket term, "costs of distribution." But Safeway has nothing to do with farm-to-warehouse hauling costs. And in most of the processed foods, others—not Safeway—do the processing and packaging.

For all our retailing services — averaged over all farm crops — Safeway requires less than 14¢ out of the dollar customers pay for food at our stores.

This 14¢ covers all our costs of doing a retail business (such costs as wages, rents, taxes, advertising, etc.) plus a profit. In 1949 our profit was 1 1/3¢ per dollar of food sales at Safeway stores.

Safeway costs are lower than average for such retailing services. In fact, our costs today represent a smaller part of the food dollar than Safeway required 10 years ago.

Of course, the dollar volume of our sales has increased, due in part to higher food prices. But our labor and other costs are up even more sharply. Chiefly because we've learned year by year to operate more efficiently can we return to farmers today a *larger share of each dollar of Safeway sales*.

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.



SAFEWAY STORES

No. 1 File for Freight Shippers



Let Santa Fe give you the information you are seeking about freight transportation or industrial locations.

Santa Fe's skilled freight traffic personnel can give you expert information about all classes of freight transportation.

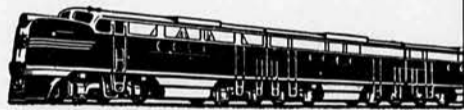
For industrial development infor-

mation Santa Fe has a special department to help you secure facts about the advantages the west and southwest offers for the expansion or relocation of your company.

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N. C. Davis Sons, Box KZ-1, Bonner Springs, Kans.

Roasting Ears

(Continued from Page 4)

for icing on railway cars, and 5 cents a sack for icing on trucks." The clipping process consists of running ears thru a slicing machine that trims butts of ears and takes off worm damage at the silk end of the ear.

All corn marketed by the company under the Green Valley brand is U. S. No. 1, since a full-time inspector is employed under the new marketing law administered by the Kansas State Board of Agriculture. Trained and approved by the U. S. Department of Agriculture, this inspector is hired by the State Board and farmed out to the company, which pays him a minimum salary plus a fee for each load of corn inspected.

John J. Jubin, of Louisiana, is the inspector working at the plant this season. "U. S. No. 1 sweet corn," he says, "must have an ear 5 to 8 inches long. Shucks must have good green color and the ear must be well filled with grain in the milk stage. All worm damage must be removed."

"Our early sweet corn market is in Chicago and the Great Lakes states," says Mr. Hale. "Later, the market shifts to Southern states, altho we sell quite a lot in Kansas, Oklahoma and Missouri."

"This year the government is a big buyer because so many army camps are being reopened. All corn sold to the government is on a low-bid basis. Large chain stores are our biggest regular customers," Mr. Hale continues. "They buy on a daily contract basis and redistribute over a large area. A steady supply of sweet corn in volume is the most important thing in getting the chain store business."

Trained Field Crews Help

Because hand picking sweet corn in the field takes a lot of temporary labor some farmers have hesitated going into the sweet corn production business. The company has solved this problem by making a working agreement with a field crew of expertly trained Mexican laborers.

Crews of these Mexicans will pick the corn, field grade and clip it, pack in shipping sacks, and truck to the packer for 25 cents a sack. Of this amount the grower pays 15 cents a sack while the packer pays 10 cents but supplies the sacks.

"These Mexican pickers are so expert in their line," says Mr. Creten, "they seldom miss taking only the No. 1 ears." Pickers carry long canvas sacks with shoulder straps. These bags are dragged along the ground thru the field. Pickers reach out and pick an ear, tell by the feel whether it is diseased, whack off the 2 ends with a knife, and put it in the long bag.

Dumping spots are located at inter-

vals thru the fields. Other workers then pack and carry sacks to the trucks.

When sweet corn is sacked—either in the field or at the plant—each ear is place-packed so all butt ends face the same way. Then when sacks are put into trucks or rail cars for shipment they are laid with butt ends of the ears on the top. This is done so melting ice used for refrigeration will not run inside the husks and damage the grain.

Icing a car or truck of corn is done about like filling a silo. After a layer of corn is placed in the car or truck, huge cakes of ice are run thru a shaving machine. The shaved ice then is blown thru a large hose and sprayed in a layer over the corn.

Much Larger Market

"Next year we want to add a field spraying service to eliminate worm damage," says Mr. Hale. "We plan to buy the machine and put it out to growers on a rental basis. By spraying corn while it is in the silk stage and thus cutting worm damage to a minimum, we can get into a new market—the unclipped corn market."

"Consumers in New York and a lot of the big Eastern cities," Mr. Hale says, "do not like to buy clipped corn. Unclipped corn will bring a premium on those markets. It also will stand up in quality longer after being put in stores. We hope one third of our corn production next year will be sold on the unclipped market."

There isn't any limit to the amount of sweet corn valley growers could sell if the company can get into the unclipped corn market, Mr. Hale believes. "We think we can sell all they can raise," says Mr. Hale.

Kimball Backus, director of marketing for the Kansas State Board of Agriculture, is enthusiastic over the growth of the sweet corn business in the lower Kaw valley and the grading program being used. "We have been looking for some crop to take the place of Irish potatoes, and sweet corn looks like a natural in the Turner area," he says.

Is Your Lease Verbal?

One reason there are so many misunderstandings between landlords and tenants is that 3 out of 4 farm leases are verbal. Memories often are not reliable.

Experience shows that a good written farm lease can protect the interests of both parties. County agents now have copies of standard farm leases covering crop-share, crop-share-cash, cash, standing rent, and livestock-share renting. It may pay you to get a copy before you make your next farm-lease agreement.

GRANDMA . . . By Charles Kuhn



7-16
CHAS. KUHN



6-cylinder Ford Model F-2 shown has an 8-ft. Express Body mounted on a 122-inch wheelbase.



Says Vic Walz of Neligh, Nebraska

"After 100,000 miles I finally traded my old Ford for a new 6-cylinder Model F-2 Express. The new job performs even better than the old one. There's plenty of power when needed to get over icy and muddy roads. And its economy is saving me real money. You can bet my next truck will be another Ford.

"17 miles per gallon means I'm saving money with my new Ford!"



"I get a king-size load into my 8-ft. Express. And there's plenty of carrying-heft in the chassis." Payload capacity of the 96-in. long, 54-in. wide F-2 Express is over 1,900 lbs. on 7.50-16 tires.



"Power is never lacking for the biggest and toughest kind of a haul," Walz tells Ford Dealer Contois. Only Ford gives you a choice of V-8 or Six, four engines for over 175 models, 95-h.p. to 145-h.p.



"'Sunday-go-to-meeting' kind of a cab, too. Real riding comfort and style." Ford-welded, all-steel cab has Air Wing ventilators in door glass. Level Action cab suspension, lounge-type seats.



"I saved money on the low Ford price, and it's a cinch I'll save a lot more on gas, oil and repairs." Switch to Ford! Farmers everywhere find that Ford Trucks do more per dollar.

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

Betty Crocker of General Mills, America's best-known food authority, asks: "Have you discovered the breakfast goodness and energy value of a bowlful of Cheerios, milk and fruit?" If not, put Cheerios on your shopping list today. Try these crunchy little toasty "doughnuts" made from oats. Get the new "family-size" package.



Now That You Have Electricity

By CHARLES HOWES

ALTHO school started some time ago, it may not be amiss to remind mothers who pack lunches for the children that you can make up a week's supply of sandwiches in advance. You no doubt have heard of the idea before, but a good idea wears well.

Just wrap those sandwiches in some moistureproof paper, put a small label on each for identification, and stow them in the freezer or freezer compartment of your electric refrigerator. As you need them, pack away in the lunch box and let them thaw during the morning at school. The bread will be as fresh as the day you made them.

One caution is suggested by the experts, however. Egg salad is not a satisfactory filling to handle in this manner.

On television the other night we were introduced to a gadget to revolutionize and electrify the old-fashioned wienie roast, thereby taking away the last vestige of pleasure from an old American custom. This modern machine no longer makes it necessary to build a fire in the woods, search for forked sticks, and roast the sizzling dog to a good turn. Simply plug in this "Speedy Wienie," as it is called, place as many as 3 franks therein, and in just 2 minutes, "hot dog!"

Decidedly not in the gadget class of electrical contrivances is the new 7-million-dollar power plant which the Kansas Gas and Electric Company has begun in Sedgwick county south of Wichita. It is a radically new plant, not only because it incorporates all of the latest scientific controls, including television, but because it will have no walls and no roof. It can use gas, oil or coal as fuel, with the first named as the regular source. It is scheduled for completion sometime in 1952.

We heard of a new device to trap poor husband who may have overstayed his night out. There is a small, inconspicuous radioactive charm as part of the outfit. This charm can be slipped in hubby's pocket or sewed slyly in the lining of his coat or hat. The other part is an electric recording arrangement which is operated when radioactive husband passes the door, marking to the minute his arrival. More productively, the machine has been used to mark the arrival and departure of wild birds.

The General Electric Company has assembled a 10-car trainload of apparatus to demonstrate to the nation all the machinery used to create electric power, to distribute it, and to put it to work. The plan is for the train to visit more than 150 cities during this year and in 1951.

You can buy an electric deodorizer that may have a growing number of uses. The little electric heater is about half the size of a teacup. A small cake of a preparation which gives off a substitute odor when heated is used with the device. Just whether there is a choice of odors for the heater was not stated.

In a builder's magazine the other day we ran across an electric saw that should have value on a farm. It is a tool designed to cut thru any material from rubber to stainless steel and it uses gun sights to follow a line. Blade widths vary from 1/2 to 1 inch to eliminate whip or snapping, and the unit can be swiveled 360 degrees and locked in any cutting tangent. It has the appearance of an electric drill with the blade projecting from the forward end.

There's a grease-trap and air-filter kitchen range device that combines fluorescent lighting as added usefulness. It is in the form of a canopy for the electric range and uses a 2-speed ventilator fan to clear the air in the room.

You can buy a fire-alarm system for house and buildings, a complete unit with 12 or more thermostats, alarm bells, a transformer and plastic-coated electric wire. Two of the thermostats are set at 165 degrees for installation over heating units and in attics, the rest are of the 135-degree variety.

There is an answer to the deep-shadow problem found around the needle of many sewing machines, a problem which gives a lot of seamstresses considerable eye discomfort. Westinghouse has made quite a study of sewing-machine lights and says the solution is nearly always in additional lighting to supplement the single source of light usually provided by a machine. Some general room illumination is a requirement, however, because it assists in softening the shadows on the working area.

Are you a French-fry fan? A new electric utensil gives you deep-fat frying plus a corn popper in aluminum. Furthermore, there are no "test runs" spuds or doughnuts to see whether the fat is hot. A pilot light shows when the fat is ready, while a thermostat keeps the temperature just right for hot or cool frying.

We can pass along a few ideas right here that may induce you to keep your electric fan out of the closet for awhile. Many folks think the fan season is over with the last rose of summer. Nope, keep the artificial breeze handy. Comes winter, why not let the fan distribute the heat that gathers at the ceiling by placing it beside the register or other heat outlet. By aiming it at a nearby wall and just below the ceiling, the temperature difference between floor and ceiling can be reduced.

Another winter use for an electric fan is as a drying agent for clothes, fabrics, waxed surfaces, paint or scrubbed areas. A little air circulation will help a lot in drying, also for refreshing clothes that have been hung in the closet and mildewed. Or to hurry the thawing of frozen foods, a fan can save half to two thirds of the time required by room-temperature thawing. So don't put the fan in mothballs—yet.

Electricity now is being applied to pasteurization of milk, magazines tell us, with several home-size installations on the market. The fact these are automatic, holding the temperature at the pasteurizing level for required periods, then shutting off the heat, saves the attention necessary when the job is done with ordinary utensils. An electric agitator is another laborsaver. Of course, the secret seems to be in rapid cooling after the process of heating, so most models of electric pasteurizers have a means of running cold water into the double bottom that surrounds the milk container, giving farmers the same effect as dairy pasteurization.

Incidentally, have you lubricated your electrical equipment lately? Some pieces that have moving parts need some thoro care of this sort with regularity. Fans may be in need of an oil job following summer duty (who said it was hot?) and some attention may be paid to that electric razor, furnace blower, emery wheel, saw, or motors of many duties around the farm.

Once Covered by Ice

At least 4 times during the great Ice Age, continental glaciers pushed southward from Canada. The second of these invasions covered Northeastern Kansas as far south as the Kansas river valley and as far west as the Big Blue river.



MR. AND MRS. J. L. LANGLEY of Fond du Lac probably never think of themselves as the kind of people who make America tick—but they are. Mr. Langley is an insurance claim adjuster, a civic-minded taxpayer, a good provider for his family.

Mrs. Langley keeps the home for her husband and two daughters, yet finds time for useful community service. You'd be glad to have the Langleys as friends—and we're proud that they have been customers for Standard Oil products for many years.

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to you. All of them, by the way, are men who had a chance to look over the field and who decided that Standard is the company they want to do business with.

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One reason why we can make better products more economically, and make them more readily available, is that Standard Oil and its subsidiary companies are an integrated organization. Our 46,700 employees work together to find crude oil, transport it, refine it into more than 2,000 useful products and distribute those products for sale.

The quality petroleum products you find at the Standard oval torch sign have been well established favorites for years. For example, more of you buy RED CROWN Gasoline than any other brand. In a competitive business like ours, this is something to be proud of. We treasure you as a customer, and work to hold your confidence.

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E. L. LINSOMB, a member of one of our drilling crews, is one of our 46,700 employees—drillers, transportation workers, refiners and marketers—who work together from the ground up to keep our thousands of independent dealers and you supplied with quality petroleum products.



RALEIGH C. HALL of Independence, Missouri, works at our Sugar Creek refinery. Like all our employees, he has back of him a big investment in tools and equipment, to help him earn a good living and to produce more for you. This is made possible by the investment of our 96,800 owners.



H. L. BRUMMER, center, and **C. R. Waldroff**, right, are partners in the service station business in St. Joseph, Missouri. They and thousands of other independent dealers treasure you as customers just as we do. They depend on your patronage, as we do, to grow and prosper.

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Thoughts TO LIVE BY

Persistence

SOME years ago, I heard a speaker say a victorious army is one that stays on the battlefield 5 minutes longer than the enemy. Gettysburg is a good illustration. In the battle fought there, the losses were almost equal, but Meade stayed on the field after Lee retired. The invasion was stopped not because the boys in blue out-fought the boys in gray, but because they outlasted them.

The man who will not give up is sure to win eventually. A small lad was given a pair of skates. Learning to use them was a painful experience. He sat down hard. He fell on his knees. He bumped his head. After one hard fall, he was crying as he struggled to his feet. A sympathetic bystander said, "Boy, why don't you take the skates off?" His reply was a gem: "I didn't get them to give up with, but to learn to skate with."

When failure comes our way, there are three things that we can do: 1—Blame someone else. Adam put the blame on Eve. She ate the forbidden fruit; he simply kept her company. Many children who fail in school accuse the teacher of being unfair. We can do more about our own faults than about those of others—but not if we "pass the buck." 2—We can give up. There are no great illustrations in this field. The person who gives up makes no lasting imprint upon the pages of history. Life moves on, and he is for-

gotten. 3—Try again. One great merchant was so full of hayseeds when he first went to town, he had to work for nothing to gain experience. His first store failed, but he refused to give up the idea that he could make a profit selling things cheaply. How glad we are he persisted. And, of course, he made a sizable fortune doing it. Zane Grey was a dentist who was more interested in writing western novels than in filling cavities and pulling teeth. Again and again his manuscripts were rejected, but he wrote on. Five years without salary, and five finished novels without an acceptance. Finally a publisher was willing to take a chance. And he discovered there was a market for Grey's product. The reading public was so eager for his novels both author and publisher prospered. Years ago, a young man named John Mark deserted his companions in the time of trial. It was a blot on his reputation that one of his friends was loath to forget. That would have caused some men to give up, but John Mark would not let one mistake ruin his life. He struggled on, making a major contribution to the cause of Christianity.

The chances are great we will all make mistakes, that we will not achieve success as a result of our first endeavor. "If at first you don't succeed—" what will you do? The world tips its hat to people who "try, try again."

—Larry Schwarz.

Success in a Hurry

(Continued from Page 1)

and new technicians have been added monthly. Five training conferences for men doing artificial-breeding work were held in the first 6 months of operation.

Bulls used in the Kansas artificial-breeding program are of very high quality. Of the 30 bulls of all breeds now owned by the central unit, 16 are proved sires or have enough daughters on test to be considered proved. This compares with an average of 36 per cent for bulls of like proved quality for all artificial-breeding units in the United States.

All unproved bulls used at the station, regardless of breed, are sired by proved bulls and out of daughters of proved bulls. "This has proved to be a method of selection that has a high degree of expectancy," says Professor Atkeson.

Bulls Must Be Good

Whether bulls are proved or unproved they must be equal to the upper 25 per cent of all proved bulls of that breed in the nation. "We are setting a very high standard from a production standpoint," says Professor Atkeson, "yet we are giving considerable attention to type, too. We want good-type bulls and are getting the best type possible. Much credit must go to the committees selected by the various breed associations to work with us on bull selections. Their help has been invaluable."

Professor Atkeson also gives much credit for the success of the artificial-breeding program to county agents. "They have done a swell job of paving the way thru educational work," he says.

The barn used for the central unit is 40 by 140 feet. It has stable room for 29 bulls and also houses the feed room, the offices and a complete laboratory. Location of the unit is on the old Blue-mont College site, ¼-mile west of the present college campus.

The longest shipping time for semen from the central unit to any local unit is 18 hours. Most semen is delivered in

less than 12 hours. A basic shipment of semen is 12 vials, 2 of each breed, and shipments are made every other day, including Sundays.

No. 2½ cans of water frozen solid form the core for the shipping package. Vials of semen are attached to these cans by rubber bands. Cans then are wrapped in insulating paper, boxed and shipped. The semen will remain good 48 hours at 80° temperature.

Will Save Time

Kansas is the first state unit in the U. S. to take IBM breeding cards to the field to record all services directly. "Value of getting such records is speed," says Professor Atkeson. "We can get a 2-weeks jump on most units in finding and eliminating troubles in the field thru our field-record service."

A special fieldman, A. N. Moeller, formerly with the University of Illinois, has been hired to work with local unit problems. Earl L. Farmer, assistant professor of dairy husbandry at the college, is in charge of the central station work. "Every man on our staff is trained to do every job so we won't break down in case any one man quits or gets sick," says Professor Atkeson. "Some state programs have failed because too much of the load was carried by only one man."

What about the future of the Kansas Artificial Breeding Service Unit? "We expect to take in another 8 local units this next year," says Professor Atkeson. "We also believe present customers will increase their use of artificial breeding by 10 per cent. Naturally, we hope to further increase our efficiency rate as the organization becomes stabilized. But you can definitely say this. We are mighty pleased with the progress so far."

Handy Shelf

A small shelf on a bracket outside the back door gives you a place to unload packages or groceries while you let yourself in.—E. A. K.

Treat Grain Seed

(Continued from Page 11)

having a protective dust on your seed to keep off stinking smut and other fungus diseases? It's better to be safe." His county has several small, individually-owned cleaner-treater machines doing good work.

Wilbur W. White, county agent in Morton county, says farmers there have practiced seed treatment for smut practically 100 per cent for several years. "Smut in sorghum fields here is so rare one can drive for miles and not see a single smut-infected head."

In Cheyenne county, E. W. Underwood, of Bird City, treats many thousand of bushels of seed wheat for farmers each year. The St. Francis Grain and Feed Company has a portable cleaner and treater which they rent out for 15 cents a bushel.

Farmer-Operated Treater

Joe Koal, a Rawlins county farmer, operated a portable seed cleaner and treater last year for the Farm Bureau. Their program treated more than 1,700 bushels, and indications are as much will be treated this year. Jewell O. Gebhart, county agent in Ellis county, reports they have several custom operators who treat seed each fall.

In Decatur county, a portable seed cleaner and treater is made available for use thruout the county by the Farm Bureau. Last year about 9,000 bushels of seed were cleaned and treated. Loyd "Hap" Vernon has been running the machine under supervision of County Agent Lee Vineyard. Vineyard plans to emphasize seed cleaning and treating this fall.

Last year, 21,000 bushels of wheat were cleaned with a portable seed cleaner operated by the Osborne County Farm Bureau. Bulk of it was treated for smut.

Preston Hale, Shawnee County agent says farmers there plant smut-free wheat seed. "Once a community is smut-free it's not hard to keep it that way. Harvesting circles are much smaller since the small combine is used at only 3 or 4 neighbors. We are doing a lot of seed treatment, largely for more vigorous seedling growth. Our oats are in about the same fix as the wheat—we just don't have smut any more since we plant smut-free seed. Ninety per cent of the sorghum seed is treated as we don't seem to keep it free of smut thru clean seed as we have done with wheat."

New Portable Outfit

In Johnson county there are many individually-owned and operated seed cleaners and treaters. C. T. Hall, county agent, also says there are 2 large commercial seed cleaners and treaters. Robert McAnany, at Shawnee, owns a new portable outfit.

Sumner county has one of the most complete seed cleaning and treating services of any Kansas county. Hobart Frederick, county agent, says his 1949 annual report showed 10 stationary cleaners and 2 portable cleaners were operating. In addition, a large number of farmers own small cleaners. Nearly all of the 90 per cent of the wheat cleaned is also treated. The 12 cleaners mentioned all have treaters attached. The following towns have businesses operating commercial cleaner-treaters: Wellington, Perth, Corbin, Caldwell, Oxford, Belle Plaine, and Conway Springs.

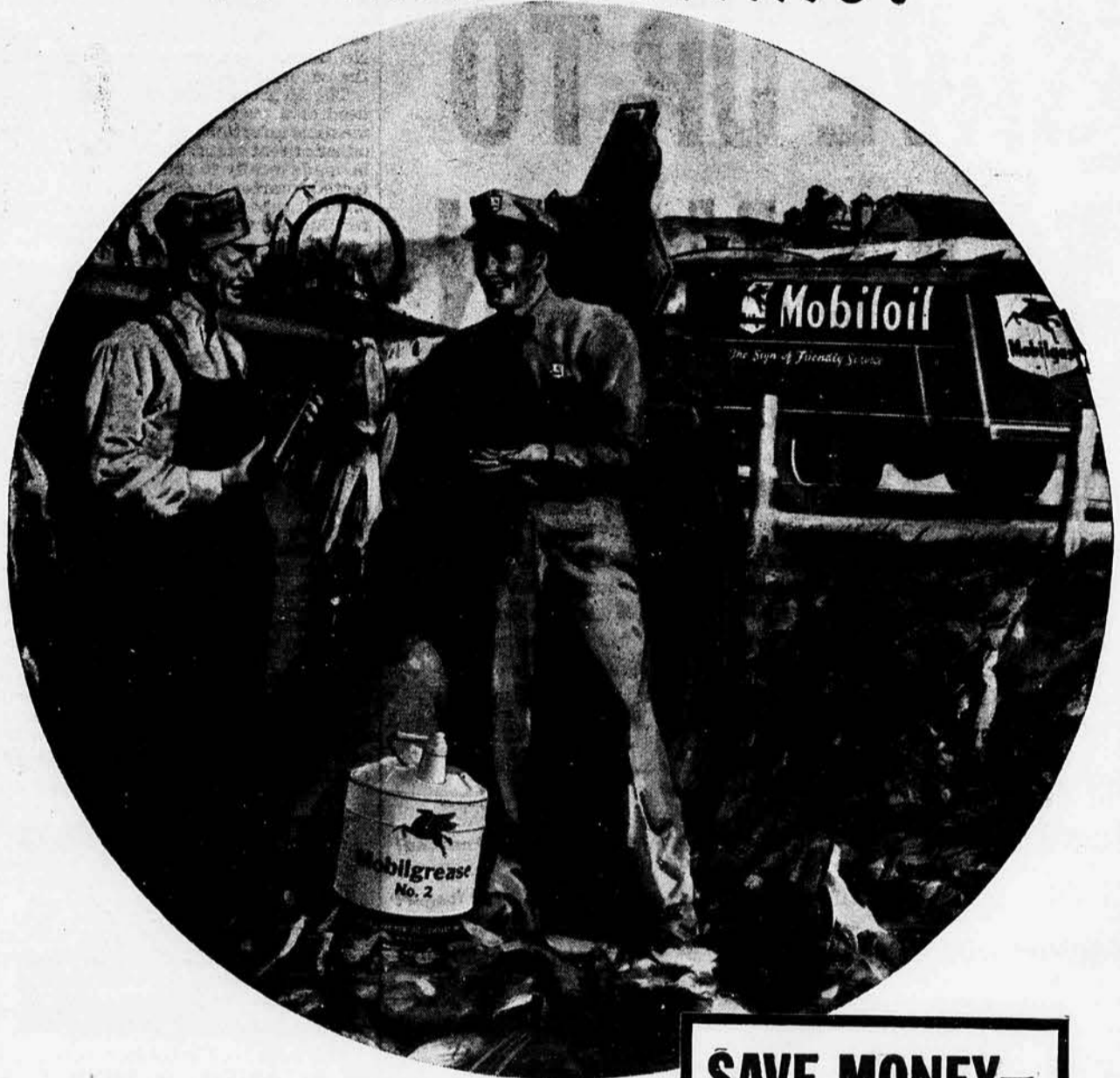
A dollar spent on seed disinfectant in Kansas returns an average of \$21.70 to the farmer.



"Good morning, Mr. Coie. Has Georgie's birthday party started yet?"

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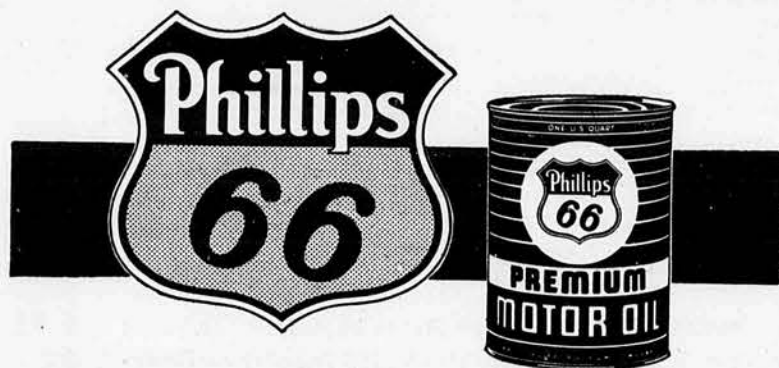
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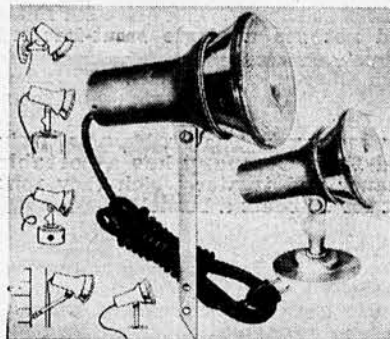
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Have you heard—?

Notes on New Products and Folks Who Make Them

LEDERLE LABORATORIES are now marketing an improved Aureomycin ointment for treating bovine mastitis. Lederle veterinary scientists recently proved doubling the amount of aureomycin in each tube greatly increased effectiveness of this product. No undesirable reactions occurred in the udder, either.

The improved ointment also can be used as a preventive measure against mastitis infections when injuries to the udder or teat occur. Applications should be made locally to the wound. Each affected quarter should be infused with one full tube of Aureomycin Ointment for Udder Infusion.



Farm lighting gets a boost with announcement of a new, handy, portable lighting fixture. The new unit has just been developed by the Stone Manufacturing Company, Elizabeth 4, N. J. It can be used for floodlighting, yard lighting, spotlighting or other farm lighting in portable or permanent mounting indoors or outdoors.

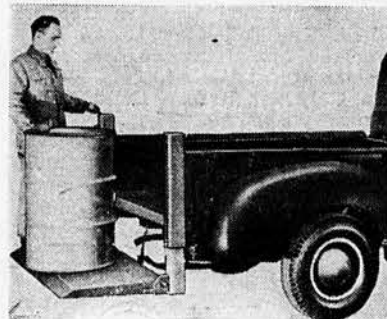
It consists of a cast aluminum lamp-holder with 3 mounting accessories. These provide interchangeable mounting positions on posts, wall, floors, building corners, in the ground or on junction boxes. The lampholder adjusts to any direction. The new unit comes completely wired with 10 feet of weather-proof cord and molded rubber plug for any AC-DC outlet.

A Kansas concern—Bert-Wetta-Van-Horn, of Maize—designed and built 3 new alfalfa harvesters. They are known as "Field Queens." Each new unit is unique because it cuts, loads, and chops the crop. This makes the alfalfa ready for the dehydrator without further processing. Cutting a 7-foot swath, the unit moves across the field pulling a trailer to receive the crop. Units are currently in operation or on order for use in Kansas and 7 other Midwest states.

The New Holland Machine Company has added 2 new products to their line for 1950. They are a tractor mower and an all-steel, heavy-duty farm wagon announces the company.

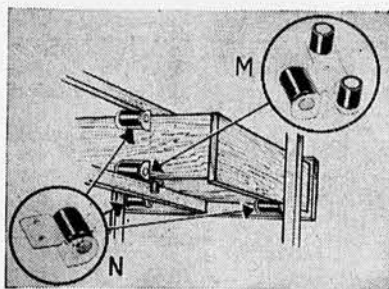
The mower is an extra heavy-duty machine designed to cut heavy stands of all forage crops efficiently at ground speeds up to 7 miles an hour. It is a 2-wheel, semimounted mower with the front rigidly mounted to the tractor drawbar.

With 4 auto-type wheels and a greater turning arc, the New Holland 4-ton wagon will follow a tractor with maximum stability. An adjustable reach and the sharp turning angle provide maximum flexibility and stability on rough ground.

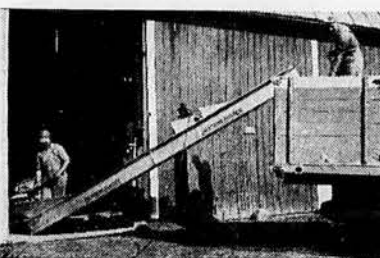


A hydraulically-powered tailgate loader for pickup trucks is now on the market. Called Lift-O-Matic, it was developed by the National Lift Co., Waukesha, Wis., subsidiary of Gar Wood Industries, Inc., Wayne, Mich. It can be easily installed on most pickup trucks. Its lifting capacity is 1,000 pounds. Hydraulic power is provided by a fan-belt-driven hydraulic pump with its self-contained clutch. Pump operates only when lifting power is needed.

The Lift-O-Matic is all steel and sturdily constructed. One man can handle all loading and delivery. This eliminates tough, back-breaking duties. The new loader will outlast the truck under normal conditions.



Here's a new angle on the age-old tug-of-war between man and sticking wooden drawers. The Junior-Pro Products Co., of St. Louis, Mo., say their new Roll-eez product is the greatest improvement in wooden drawer construction ever made. Roll-eez is a plastic roller bearing mounted on a steel pin and frame. The metal parts are cadmium-plated to resist rust, and each unit comes factory lubricated. Special cement-coated nails are supplied with each set. Roll-eez bearings can be easily and quickly installed tools.



The Sturgeon Bay Manufacturing Co., Sturgeon Bay, Wis., has a new elevator on the market—the "Lightning Loader." It can be picked up and moved from one job to another as it's made of aluminum, is light in weight, and has aircraft-type construction. One man can handle and position the elevator. It is supposed to do all the jobs of a large elevator.

Minimum power is required for operation. A 1/2-horsepower electric motor or 1 1/2-horsepower gasoline engine will operate the 16-foot unit. It is made in 16- and 20-foot lengths with a 4-foot extension. The "Lightning Loader" can be used for loading grain, feed and ear corn quickly and easily.

Just introduced is a new 3-bottom plow for use on the Allis-Chalmers "WD" tractor. It is manufactured by the Wiard Plow Co., Batavia, N. Y.

The Wiard "WD" Linkage permits maximum adjustments of the plow and complete coordination between implement and tractor. To meet all types of soil conditions, the new plow is available with 4 type bases for 10-, 12-, 14- or 16-inch furrow widths. All implements are available with a wide variety of rigging.

This company offers mounted type plows and linkage for Allis-Chalmers "B" and "C," Farmall "C," Ford, Ferguson and similar type tractors.

Massey-Harris dealers have a new Hydraulic Farm Loader catalog available for distribution. Descriptions and illustrations are given on 3 new loaders. A feature in the catalog is news about 6 new laborsaving attachments to "help you do a better job of farming all year round."

Don't Let Worms Reduce Egg Profits

remove large roundworms intestinal capillaria worms

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Due to Rotamine's thorough but gentle action, Rota-Caps get the worms, yet birds do not get sick or go out of production. Enables you to worm anytime... even when birds are in production. Individual treatment easy to use... Favorite of poultry raisers from coast to coast. Packaged for various size flocks. Buy Rota-Caps at your hatchery, drug or feed store. DR. SALSBUURY'S LABORATORIES, Charles City, Iowa.

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Herrmann Buildings are all-bolted—easy to erect, strong, permanent, non-leaking. Two complete lines to fit any requirement—Standard (corrugated iron construction) and Deluxe (stamped panels bolted to framework of structural steel.) Standard buildings are ideal for garages, barns, implement shelter, grain storage, etc. Herrmann Deluxe buildings approved for Grade A milking parlors. All Herrmann buildings are custom-made—you get just exactly the building you need, any shape, any size. And you get it at rock-bottom prices. Compare Herrmann prices and quality with any other in the world! Write today for free details, or send a sketch of the building you need, and we'll send you a free estimate—so low it will surprise you!

Write Today While Materials Are Available! **HERRMANN COMPANY** 255B South Fifth St., Kansas City, Kan.

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We'll See You At The State Fair Hutchinson, Kans.

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The Soil Mover Co. Columbus, Nebr.

Home Crimp Your Grains CUT FEED COSTS 20%



Stop wasting grain with hammermills. Stop feeding dusty, ground grains that clog nostrils and stomach, are unpalatable, cause scurvy, bloat and tail-enders. Now roller-crimp your grains for greater feeding profits. New low-cost Krimper-Kracker genuinely roller-crimps corn, oats, barley, maize, wheat, etc., for full mastication and digestion. Full absorption helps cattle to early bloom, faster growth on less grain. Crimping makes grains bulky, doubles volume, makes 4 bushels do feeding work of 5.

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R. C. Davis Sons, Box KA-1, Bonner Springs, Kans.

Marketing Viewpoint

By Harold M. Riley, Livestock; Leonard W. Schruben, Feed Grains; Paul L. Kelley, Dairy Products.

We have some spring calves, some weighing about 400 pounds and others weighing about 250. How should we handle them to stand best chance of making most money?—K. K.

If your calves are of high quality and would sell for \$30 or more per hundredweight, it might be desirable to sell off those that will weigh 400 pounds or more. The lighter calves could be carried over winter on light grain ration (5 lbs. or less per head per day) and good roughage, pastured next spring and early summer, and then fed out in the dry lot for 90 to 120 days for next fall's market.

Should you decide to grain feed all the calves this winter, you should probably head them for a June market. As you no doubt know, it takes a rather long feeding period to fatten calves. Selling them after a short feed of 90 to 100 days probably would not be advisable.

If you sell off the cows this fall the late October-November market should hold up well on these light calves. This would enable you to put on additional gains in the meantime.

My local market offers unusually good oats (38-pound cleaned) at 88 cents and I am considering should I store my needs for 2 years at least. What would be the disadvantage here?—P. H.

I believe oats prices in general will not decline too much, if any, during the 2 years ahead. On balance, I believe chances for a price advance are just as good as for a decline. This might not apply to your area specifically as there is usually a considerable price variation from one area to another. Are fewer acres being planted in your area? If so, prices to you would likely be stronger than average.

Another important consideration, it seems to me, is the proportion you use oats in your operations. Sometimes it's more important to have good-quality oats than having the possibility of some savings. How does this fit your situation?

Do you have adequate storage? Will the oats stay in good condition while in storage? Will you be needing that storage for something else?

After answering these questions and others you think of, you will be in a much better position to judge whether you should buy oats now. Frankly, if I needed the oats and they represented a relatively small proportion of my costs of operation, I wouldn't hesitate too much in buying a 2-year supply if they were exceptionally good oats.

What are good dairy cows worth and what is the outlook for prices of these kinds of cows?—J. N.

Market prices for dairy cows by grades are difficult to obtain. However, sale prices from limited sources may be helpful to farmers interested in purchasing heifers or replacement cows. Year-old grade heifers have been reported selling for about \$185. Heifers old enough to breed or just bred have been quoted at \$250. Grade springer heifers ready to freshen have been selling for \$250 to \$350. Farmers have been receiving from \$250 to \$350 and up for commercial grade cows. Registered cows have been selling at much higher prices and at a recent dispersal sale, averaged about \$600 a head.

In part, the present level of cow prices is due to a renewed interest in dairying in late 1949 and early 1950. The high level of beef cattle prices also helps establish the basis of prices paid for dairy cows. The sharp change in the international situation may cause many farmers to emphasize farm enterprises other than dairying. As a result it is probable milk cow prices are at or near a peak for the immediate future.

Handy Light

A spring from an old upholstered chair makes a neat holder for the extension light. It protects the bulb against breaking and permits standing the light on the floor or hanging it up. It is a good substitute for a conventional trouble-light for work in out-of-the-way places.—E. A. K.

RUNNING WATER

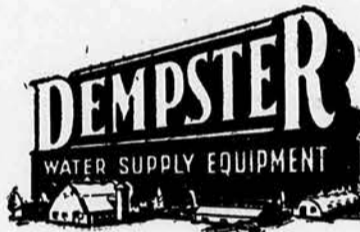
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Get the Right Pump!



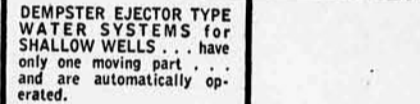
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Personal To Women With Nagging Backache

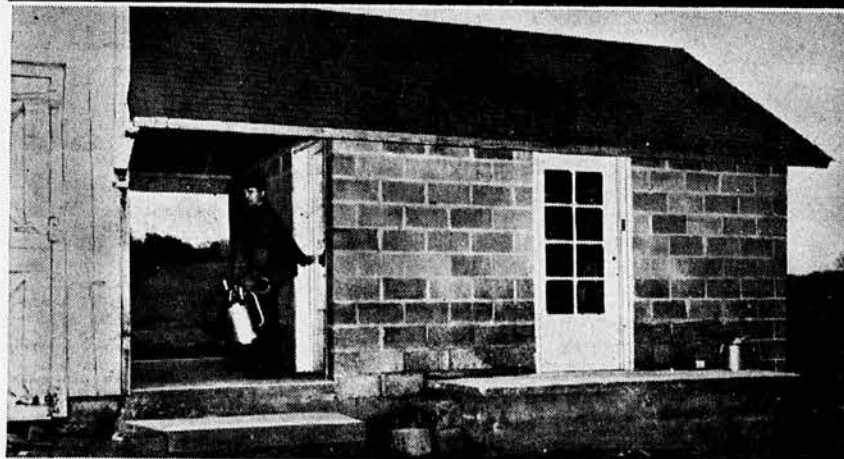
As we get older, stress and strain, over-exertion, excessive smoking or exposure to cold sometimes slows down kidney function. This may lead many folks to complain of nagging backache. This may lead many folks to complain of nagging backache, loss of pep and energy, headaches and dizziness. Getting up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

NEW MILKING SYSTEM AMAZES DAIRYMEN!



Now you can milk without stooping, carrying or pouring. No full cans to lift in and out of milk refrigerator. You can own this system for as little as \$476! Connect milking machine to your T-33 milk refrigerator, and you have the 20TH CENTURY SYSTEM OF VACUUM REFRIGERATED MILK! No pipelines needed. Puts cow's udder in right spot for milking. Milk flows direct from cow's udder into shipping can in T-33, where it is vacuum refrigerated. Starts cooling instantly. When first can is full, milk automatically by-passes into next can. Keeps milk grade high, bacteria count low, because milk is not touched by hands or exposed to outside contaminated air. Pays for itself in 6 to 12 months! Its easy operation will amaze you. For free literature write: **ZERO MFG. CO., 608B DUNCAN AVE., WASHINGTON, MISSOURI**

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A sanitary milk house is a necessity in the production of high quality, sweet, fresh milk to meet grade "A" standards. The milk house illustrated makes it easy to meet all current community regulations—and to market the grade "A" milk that brings bonus payment checks.

And consider the *extra* advantages! A concrete milk house is simple to build—easy to keep clean. The time it takes to build

it is saved many times over in labor and hours of cleaning.

Your Lehigh Cement dealer will be glad to advise you regarding this and other concrete construction work—and he'll show you how to keep costs down. Ask him about it next time you're in town.

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FLOORS AND PLATFORM**
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6 cu. yds. sand
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FOR WALLS
4 sacks Lehigh Mortar Cement
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349 8x8x16-in. regular blocks
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28 8x8x8-in. corner return blocks

LEHIGH PORTLAND CEMENT COMPANY

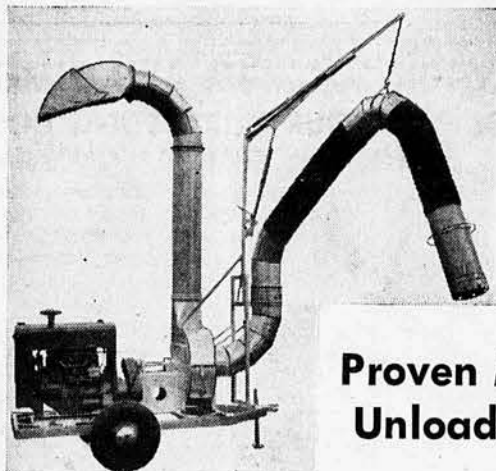
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Fast—Clean
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The Pieck Vacuum Blower is an ideal unloading device for anyone who owns a field-chopper, for hay, wet or dry, straw and for corn silage. Its capacity is ample for any forage harvester on the market.

The blower can be used with ordinary farm wagons or trucks. It is a one-man operation. The Pieck Blower eliminates wagon conveyors and dump systems,

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It is all but impossible to plug the pipe of the Pieck Blower. There is no feed table to back to or lift out of the way—just drive under the tube and start to unload.

Available with belt pulley for 3-plow tractor or motor mounting.

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Seneca, Kansas

Local dealers wanted.

Damage From Pests Not Very Serious

KANSAS farmers can look forward to a year of light damage from insects, visitors at the Fall Agronomy Field Day, at Manhattan, were told. The Field Day was held at the Kansas State Experiment Station, September 1.

The large-scale planting of Pawnee wheat in Central Kansas was given credit by college entomologists for the low Hessian fly count in that area this fall. Only large population of fly in Kansas this fall is in extreme Northwest Kansas.

Altho there is European corn borer infestation in the 2 northern tiers of counties clear across Kansas, numbers of borers are small. Southwestern corn borer infestation has been found in Kansas as far northeast as Clay county but, again, numbers of borers are low. Grasshopper population this year also is very low.

Attacks Sweet Clover

Most serious trouble in Kansas right now may be the sweet clover weevil, which attacks the crown of the sweet clover plant. This weevil is especially dangerous, as little is known about its control and it knocks out the farmer's attempts at a strong legume rotation. Use of DDT against the adult weevil was offered as the only present known control.

In discussing fertilization of crops with commercial fertilizers, agronomists gave the following observations from research experiments at the station: Most successful application date for phosphate on wheat is at seeding time. Best amount is 30 to 40 pounds of phosphate an acre. Thirty pounds is contained in 150 pounds of 20 per cent or 65 pounds of treble superphosphate.

Split applications of nitrogen—half at seeding and half during winter or early spring—have been giving 2 bushels more wheat an acre than applying all at any one time. Forty pounds of nitrogen (120 pounds of 33½ per cent) is best amount.

Tests on use of liquid fertilizers on crop seeds are being tried in 6 spots over Kansas this year, but no data on results is yet available.

Too Much Prussic Acid

In crop experiments agronomists reported they were about ready to drop their work on sweet varieties of Sudan grass. While they have succeeded in getting a high disease resistance in sweet sorghums, experiments also have resulted in too high a content of prussic acid. "Disease resistance and high HCN content seem to go together, which makes a tough breeding problem," visitors were told.

One Sudan which may be heard from later, however, is one with a Leoti

cross. It has good tillering and leafiness and considerable disease resistance.

Thirty-four varieties of grain sorghums from 5 states were examined by visitors at sorghum variety plots. These 34 varieties are the best being offered by the 5 states in this area, and are being tested at Manhattan to see which is the best adapted for Eastern Kansas.

Lose Alfalfa Seed

Kansas farmers lose one third of their alfalfa seed because of inefficiency of present harvesting methods, visitors were told. In the 1949 seed crop that meant a loss of 4 million pounds, worth at least 2 million dollars on the present market for Kansas Common alfalfa seed.

Since no better methods have been found, farmers must continue present methods of harvesting alfalfa seed. Their net harvest can be increased, it was pointed out, by spraying or dusting alfalfa to control insects and by use of honeybees to increase seed production.

Tests with honeybees on clover fields have shown that at Hays 0.6 bees per square yard produced 95 pounds of honey and 72 pounds of seed an acre. At Manhattan 1.6 bees per square yard produced 254 pounds of honey and 192 pounds of seed an acre. Two to 3 colonies of bees per acre of alfalfa are recommended for boosting seed production.

Some New Hybrids

Several new corn hybrids are now recommended for Kansas, it was learned at the field day program. New hybrids recently released are US523W (experimental K2299) and KI859. US523W is a white hybrid similar in maturity to K2234 and K2275. It has a higher shelling percentage and dries more rapidly than K2234, and is usually higher yielding in the eastern one third of the state. US523W is more drought resistant than K2275 and out-yields it except under conditions which are most favorable for corn. KI859 is an early yellow hybrid that has made an outstanding record in the north central and northwest sections of Kansas. It is very drought resistant and seems particularly adapted to withstand adverse conditions.

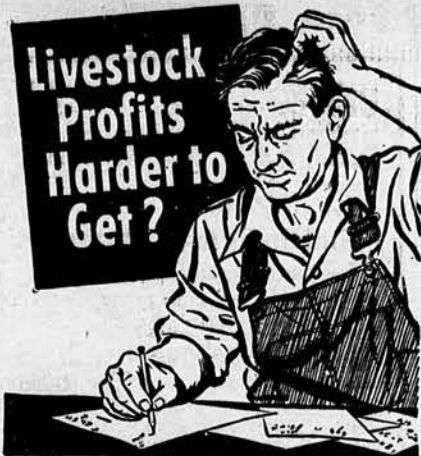
Some promising double-crosses not yet released are KI830, KI835, KI886, K2300, K2353, and K2356.

Wabash, a new hybrid soybean selected from a cross of Mansoy and Dunfield, is proving to be tops in central part of Eastern Kansas. It has a high yield, resistance to lodging, and a high oil content. Top soybean varieties for the last 4-year period are: Wabash, Gibson, Chief, Hongkong, S100 and Lincoln.

Coming Events

September 25—Thomas county beef tour, with Bass Powell.
September 25—Norton county, landscape and shelterbelt tour.
September 25—Elk county, 4-H council meeting, Howard.
September 26—Leavenworth county, fall field day, with L. E. Willoughby.
September 26—Sedgwick county, fall field day.
September 26—Jefferson county, balanced farming organizational meeting, Oskaloosa.
September 27—Cheyenne county, conservation tour, Cheyenne county farms.
September 27—Pottawatomie county 4-H leaders select champions, Westmoreland Legion Hall, 8 p. m.
September 28—Ford county, sorghum field day, Dodge City experimental field.
September 28—Johnson county cornfield day with L. E. Willoughby, Olathe.
September 29—Johnson county annual home demonstration unit achievement day, Olathe.
September 30—Pottawatomie county 4-Hers on Radio Station KSAC.
September 30—Clark county 4-H achievement banquet, 4-H building, Ashland.
October 2-6—Pottawatomie county soil conservation week.
October 3—Johnson county, family life meeting on home management, with Gladys Myers, Olathe.
October 4—Jefferson-Jackson counties, 2-county cornfield day.
October 4—Thomas county, sorghum field day, Colby Experiment Station, Colby.
October 5-6—Norton county, leaders' training school on room arrangement, Norton.
October 5-7—Chautauqua county free fair and reunion, Sedan.
October 6—Pottawatomie county, Wamego

farmers day tour and evening program, Wamego.
October 7—Wabaunsee county annual feeder calf show and sale.
October 10—Pottawatomie county corn field day, with L. E. Willoughby, KSC Crops and Soils Specialist.
October 10—Stanton county sorghum field day.
October 11—Morton county, crops and engineering meeting, with Bieberly & Selby, KSC specialists.
October 11-13—Norton county, Republican Valley 4-H fat stock show, McCook, Neb.
October 12—Shawnee county, crops tour, with L. E. Willoughby in charge.
October 13—Miami county beef tour.
October 15—Jackson county cornfield day.
October 18—Osborne county, cornfield day, George Verhage farm, Downs.
October 19—Lane county, farmers and Rotary members sorghum meeting and field tour, dinner, Christian Church, Dighton.
October 19—Elk county, 4-H Junior leadership party with Longton Booster 4-H Junior Leaders as hosts, Longton.
October 25—Jefferson county cornfield day, tour.
October 25—Rush county achievement day for home demonstration unit members.
October 27—Sedgwick county, beef tour.
October 27—Shawnee county Farm Bureau annual meeting.
October 30-November 4—Extension conference, Manhattan.
October 31—Brown county, Hiawatha corn show (district).
November 6—Cheyenne county, tour of feed lots.
November 9—Miami county 4-H achievement banquet.
November 13—Johnson county, annual Farm Bureau meeting, Olathe.



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DeForest Master Controlled Breeding gives you top quality Blueblood Chicks at reasonable prices. Write for free information today. DeForest Hatcheries, Box E, Peabody, Kansas.

Chicks, bloodtested, Production Reds, Barred, White Rocks, Hampshires, Reds, \$9.95; pullets, \$11.85. White Browns, Leghorns, Austra-Whites, \$8.95. Pullets, \$12.95. Heavies, \$8.95. Fryer Specials, \$5.95. 100% alive FOB. Clinton Chick Store, Clinton, Mo.

Bush's White, Barred Rocks, Hampshire Reds, \$10.95. Pullets, \$11.95. Cockerels, \$10.95. Big type Eggbred Brown, White Leghorns, Austra-Whites, Black, Buff, Minorcas, \$8.95. Pullets, \$13.95. Heavies, \$8.95. Leftover, \$5.95. FOB 100% alive. Bush Hatchery, Clinton, Mo.

Barred, White Rocks, Hampshires, Reds, \$10.95. Pullets, \$12.85. Brown, White Leghorns, Austra-Whites, \$8.95. Pullets, \$13.95. Heavies, \$9.95. Tableuse, \$5.95. FOB 100% alive. Thompson Chicks, Springfield, Mo.

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English Shepherd Puppies. Spayed females. Also registered Collies. E. J. Barnes, Collyer, Kan.

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Chinchillas—Easy profitable, hobby-retirement. Desirable quality. Reasonable price range. Write for literature. Visit Devine's Chinchilla Ranch, 3300 Gillham Road, Kansas City, Mo.

FARM EQUIPMENT CONCRETE STAVE SILOS
Manufactured from Water-Proofed Cement. A size to fit your needs.

K-M SILO COMPANY
1929 Kansas Ave. Topeka, Kansas

SILO SEAL Protect your silo walls
Write today for free literature.
McPHERSON CONCRETE PRODUCTS CO.
904-1126 West Euclid McPherson, Kansas

MACHINERY AND PARTS
You Can Build over a mile of terraces per day with a Terra-Tiller. Also, build road beds, water ways and diversion ditches. Write for information. Kiowa Mfg. Co., Kiowa, Kan.

New and Used Tractor Parts—Write for big free 1950 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Company, Des Moines 3, Ia.

Corn Ficker, New Idea: 2 row, like new. James C. McClellan, P. O. Box 136, Bowling Green, Kentucky.

ELECTRICAL EQUIPMENT
32-Volt Appliances! Select from the World's largest line. Enjoy city conveniences. High quality. Low prices. Catalog free. Haines Corp., Dept. F, Minneapolis 2, Minn.

Need Electricity? My used 32-V light plant and all appliances, 3 motors, A-1 condition. Write. Alvin Seyfert, Cullison, Kan.

HOME EQUIPMENT
Parts for All Stoves, ranges, heaters, furnaces back to 1886. Fit guaranteed. Write for prices. Give make, model and part number. Blue Belle Co., Dept. C, 1307 Howard, Omaha, Nebr.

Notice—We ship stove repairs direct to you from Chicago, any make, any model or kind of stove, range or furnace. All parts guaranteed to fit. Give full name of stove, range or furnace, model number, name of manufacturer and state parts wanted. Central States Repair Co., Defiance, O.

INSURANCE FIRE AND AUTOMOBILE
See our local agent.
Farmers Alliance Insurance Co., Alliance Mutual Casualty Co.
McPherson, Kansas

WANTED TO BUY
Farmers: Increase your profits. Ship your Cream to Farmers Produce, 203 W. 10th St. Hays, Kansas.

Canaries Wanted—Best prices paid. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

HOBBIES—HOMECRAFT
Leathercraft. Everything needed by beginners, advanced hobbyists and professional leatherworkers. Largest stock of supplies in U. S. Moderate-priced tooling leathers, top quality calfskins, tools, supplies, kits. Send 10c for big catalog. J. C. Larson Co., 820 S. Tripp, Dept. 181, Chicago 24.

FILMS AND PRINTS PHOTO CHRISTMAS CARDS

from your negative 18 cards and envelopes for \$1.00. Add 35c if you send a picture. 1 Deckle print each on 8-exposure rolls, 25c. 2 each on 8-exposure rolls, 35c. Price list sent with orders. SUMMERS STUDIO, Unionville, Mo.

Great News! Price reduction on our famous Century Jumbo Oversize finishing. Our new Chicago plant makes these reductions possible, and new improved equipment, exclusive with Century, produces seasonally magnificent quality work. Any 8-exposure roll finished deluxe style only 30c. 12-exposure, 45c. 16-exposure, 55c. 36-exposure, \$1.25. All oversize reprints, 4c each. Free mailers. Send us your next order, you will be delighted with results. Century Photo Service, Box 5208, Chicago 80, Ill.

16 for 25c. Any standard 8-exposure roll developed with 16 velox deckle prints, 25c. 10c package mounting corners and enlargement coupon free with this ad. Skrudland, 6444-F Diversey, Chicago, Ill.

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

EDUCATIONAL AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world, 17 years in operation. Don't be misled. Term soon. Free catalog. Write **REISCH AUCTION SCHOOL, Mason City, Iowa**
Ft. Smith Auction School, Fort Smith, Ark. Term soon. Veteran approved. Course includes rodeo announcing.

AGENTS AND SALESMEN
At Last! Something new and sensational in Christmas cards. Show gorgeous satins, velours and metallics never before offered. Gets easy orders fast! Pays up to 100% cash profit. Free samples of 30 Christmas cards with name, 50 for \$1.00 up, 80 assortments. Personalized book matches and stationery, gift items, 2 assortments on approval. Write Puro Co., 2801 Locust, Dept. 087-L, St. Louis, Mo.

KANSAS CERTIFIED SEED
Certified Seeds Grown in the famous Kaw Valley. Pawnee Wheat, Cherokee Oats. Chester A. Spray, Rt. 1, Lawrence, Kan.
Certified Achenbach Brome Grass free of chaff and other weed seeds. Recleaned and bagged. Thello Dodd, Concordia, Kan.
Wichita Wheat. Germination 98%. Purity 98.84%. Price \$2.75 per bushel. Leonard C. Brown, St. Francis, Kan.
Certified Pawnee Wheat. Sacked or bulk. Overhead bins. Dale E. Leichter, Nickerson, Kan.
Certified Pawnee Wheat. Earl Collins, Florence, Kan.

OF INTEREST TO ALL
La. Cane Syrup Gal. \$1.60; 31 Quilt Patterns 30c; 500 Page Dictionary 50c; Gigantic Limas 4 lbs. \$1.00 postpaid. Goodwill Bargains, Fullerton, La.
Save Chicken Feed! Don't feed the sparrows high priced chicken-feed. My homemade trap guaranteed to catch them by the dozens. Easy to make. Plans 10c and stamp. Sparrowman, 1715 Lane, Topeka, Kan.

OF INTEREST TO WOMEN
Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging and pumping costs. Postcard brings free details. Burson Laboratories, Dept. V-18, 955 Willard Ct., Chicago 22, Ill.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

SAVINGS AND LOANS
Let the Mailman help you save. Our advertisement in this issue tells how you can save by mail and earn 3% at the current rate. We'll be glad to send you full particulars. Max Noble, president United Building & Loan Association, 217 East Williams, Wichita, Kan.

BUSINESS OPPORTUNITIES
Bees for Profit. Pollinate your crops. Increase yield many times with bees on your farm plus profit from sale honey and beeswax. Full strength colonies ready to work, any quantity, extra supers for honey included. Loading point, Minatare, Nebr. Fall or spring delivery. Write Bradshaw & Sons, Wendell, Idaho, for details.

MAIZE GROWERS THE HESSTON SORGHUM ATTACHMENT WILL PAY YOUR HARVESTING COSTS WITH THE GRAIN YOU SAVE!

Tall and short stalks, thin or heavy yield, the Hesston Sorghum Attachment will eliminate cutter bar "slobber" and increase your harvest net profit.

Don't waste grain. Save it!

This field-proved attachment extends the sickle head and upward six inches, providing ample space for tall stalks to fall into the trough and under the auger. The upward slant prevents heads from falling off in front of the sickle bar. Installation is simple . . . no cutting, welding or holes to drill. Engineered and precision-built to fit your combine.

SEND TODAY FOR DESCRIPTIVE FOLDER AND PRICES AND MENTION YOUR MAKE OF COMBINE

AVAILABLE FOR Massey-Harris 10-, 12-, 14- and 16-ft., McCormick-Deering 123 and 125 SP, Baldwin 12-ft., John Deere "55," Cockshutt, Minneapolis-Moline G-3, G-4 and 14-ft. SP.

HESSTON MANUFACTURING CO., INC.
180 Evans St. Hesston, Kans.
ATTACHMENTS HAVE THOUSANDS OF SATISFIED USERS

FARMS—KANSAS
Only \$1,000.00 Down: 80 acres, share of crops included, on gravel road, 4 1/2 town, 1/2 river, mail, milk, School bus routes. Phone, electric lines, fair 4-room house, barn, garage, poultry house, 33 cultivated, balance pasture, \$4,700.00, \$1,000.00 down. Free folder. Peterson Realty, Osage City, Kan.

FARMS—MISCELLANEOUS
800 Acres Cheyenne County, Colorado. Improved stock-grain farm. 640 acres adjoining farm land under lease. Price \$28,500. Terms. Louis Miller, Frankfort, Ind.

Own a Farm in the agricultural center of the United States. Write for new 1950 catalog describing many productive farms. Sultzer Farm Company, Realtors, 1016 Baltimore, Kansas City, Mo.

Strout's New Catalog. Farms, Homes, Country Businesses. World's largest! 3029 outstanding bargains, 31 states. Mailed free. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

Big Free Fall Catalog, farm bargains, many equipped, illustrated, many states! United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

REMEDIES—TREATMENTS
Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCleary Clinic and Hospital, E940, Excelsior Springs, Mo.

Trend of the Markets

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

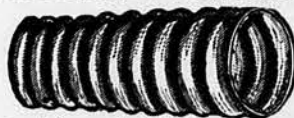
	Week Ago	Month Ago	Year Ago
Steers, Fed	\$32.00	\$31.50	\$31.50
Hogs	24.10	25.00	22.25
Lambs	28.00	28.25	24.00
Hens, 4 to 5 lbs.	.23	.23	.22
Eggs, Standards	.33	.33	.53 1/2
Butterfat, No. 1	.51	.51	.55
Wheat, No. 2, Hard	2.33 1/4	2.30 1/4	2.18 1/4
Corn, No. 2, Yellow	1.48 1/2	1.47	1.31 1/4
Oats, No. 2, White	.84	.80	.73 1/4
Barley, No. 2	1.34	1.23	1.15
Alfalfa, No. 1	28.00	24.00	26.00
Prairie, No. 1	15.50	15.50	14.00

THE 1950 NORTH CENTRAL KANSAS FREE FAIR as usual attracted very large attendance throughout the 5 days in session. Exhibits in some of the livestock departments were probably not quite as large as in some past years but the quality ran very high. The 4-H Club department was unusually large and quality was above all past exhibitions. As this fair is now past, Secretary Homer Alkire, who did a fine job, can settle himself down and devote his full time once again to his farming operations. These include the production of high-class registered Poland China hogs and Shorthorn cattle.

According to E. E. VARY, of Sterling, Ill., who manages many Guernsey sales, the interest in this breed is increasing very steadily throughout the Southwestern states. Mr. Vary has selected a very creditable group of Guernseys with which he will make a promotion sale at the State Fair grounds this fall. The animals are selected for production as well as breeding. There also will be many show prospects as well as many which will be suitable for 4-H Club projects. Mr. Vary has also paid a great deal of attention to the health of this offering. Those interested should drop a request for an illustrated catalog to E. E. (Al) Vary, Pennington Road, Sterling, Ill.

STEEL GULVERTS

ASK FOR NEW LOW PRICES



Made of Corrugated Copper Bearing. Hot Galvanized Steel. Any length in multiples of two feet.

QUICK DELIVERY

STEEL MFG. & WAREHOUSE COMPANY
1449-55 Genesee St. Kansas City 15, Missouri VI. 9143

HOGS

J. A. Buckles & Herman Ideker Sixth Annual Sale of Registered Spotted Poland China Hogs
Mound City, Mo.
Sat., Oct. 7



McKee Barn — 1:00 P. M.
The offering consists of 60 HEAD
30 Head from each herd.
30 Boars and 30 Gilts, Spring Farrow
The Buckles offering are sired by Silver Dream, a son of Citation out of Royal Prince and Improver Lad dams.
The Ideker offering are sired by Commando Again (2 litters by Type Setter), and out of Missouri King dams. All double treated for cholera. Buy your Spots from this sale—our hogs have made good in the past. Write at once for catalog to:
J. A. BUCKLES, Mound City, Mo., or HERMAN IDEKER, Craig, Mo.
Auctioneer: Col. Dick Kane, Wisner, Nebr.

CHOICE SPOTTED POLAND

Spring Boars and Open Biltz for Sale. Best of bloodlines. Low down easy feeding kind.
HENRY G. BLETSCHER, Bala, Kan.

REGISTERED SPOTTED POLAND CHINAS
Choice Spring Boars and Gilts with plenty of length, deep sides and deep full hams, sired by Pawnee King and Blue Ace. Four merit litters. Double immune.
J. V. CUNDIEFF, Talmage, Kan. (4 1/2 miles N.)



Kansas Poland China Breeders Association BOAR AND GILT SALE
October 18, 1 P. M.

Kansas State Fair Grounds, Hutchinson, Kan. This offering of boars and gilts are selected on individual merit and bloodlines from the leading herds in Kansas. For your free catalog and information address RAY SAYLER, Sale Manager, Manhattan, Kan.
Mike Wilson, Auctioneer

Buy Missouri POLAND CHINAS

Sale is 15 miles northeast of Leavenworth, Kan., or 5 miles east of Platte City, Mo., on 92 highway, 1 mile north 1/2 west to farm.
70 HEAD SELL ON
Saturday, October 7

We sell the 1950 Missouri grand champion boar, a fall yearling and as good a boar as you will find anywhere. 39 spring boars and 30 gilts. All prize winners in the spring pig classes sell. We have our usual number of big rugged spring boars and good broody looking gilts that will appeal to the farmer.
For catalog write to
N. L. FARMER & SON, Platte City, Mo.

REGISTERED POLAND CHINA SPRING BOARS AND GILTS



Sired by Sparkle, Manchus Pride and Bucks Model. Good individuals. Double immune, priced right and ready to go.
GLENN F. WISWELL
Springhill, Kansas

BUY MISSOURI DUROCS
in the Farris & Son Sale on
Wed. Night—7:30 P. M.
October 11

We are just across the river at Faucett, Mo. Faucett is 11 miles south of St. Joseph and 40 miles north of Kansas City on highway 71.
25 DUROC BOARS—25 DUROC GILTS
(All March farrow.)
They are practically all sired by North Star an eastern bred boar and he is proving himself a great breeding boar in our herd. This is new blood for Kansas buyers. A registered, cholera immune offering.
For sale catalog write
FRED FARRIS & SON, Faucett, Mo.
Aucts.: Ferrel, McCall, Mendenhall

EXCELLENT DUROC GILTS

Bred for September, October and November farrow to King of Diamonds, Perfect Trend, Deets King, Choice Fall and Spring Boars of popular breeding unequalled for ability to reproduce top quality and conformation. Write today for complete information and prices, or come. Durocs only since 1904.
G. M. SHEPHERD, Lyons, Kansas

REGISTERED MINNESOTA No. 1 SPRING BOARS AND GILTS

Sired by boar from University of Minnesota herd with excellent record of production. Gained 100 lbs. on 295 lbs. of feed.
GERALD FARR, Beloit, Kansas



Roy Koch's Night Sale of CHESTER WHITE HOGS

Sale held at Sales Pavilion
Marysville, Kansas
7:30 P. M., Tuesday Night, Oct. 10

45 HEAD WILL SELL
25 Spring Boars and 20 Spring Gilts

Sired by "Champ Jr. Successor" reserve junior champion of Iowa; "Domestic Producer" a litter mate to the breeds highest-selling boar 1949; "Chief 1st" top boar in W. S. Browning sale 1949. This is an excellent place to secure desirable seed stock or add some good individuals to your herd.

FARMERS NOTE—We have more good big rugged boars and real broody looking gilts than in any previous sale. We can suit you with type and quality and they don't sell too high. For Chester Whites that have pleased both breeder and farmer we invited you to inspect this offering. Offering is registered and cholera immune.

For sale catalog write ROY KOCH, Bremen, Kansas
Auctioneer: Bert Powell
Mike Wilson with Kansas Farmer

KANSAS STATE DUROC BREEDERS BOAR AND GILT CONSIGNMENT SALE

Horton, Kansas — October 14
Abilene, Kansas — October 10

100 HEAD TO SELL
IN BOTH SALES

Consignments now being received. Write today for entry blanks. If interested in membership write to the secretary. Plan to consign your best to the states biggest swine events.



HERMAN POPP, Secretary, Haven, Kansas

COMPLETE DISPERSION OF BROWN SWISS CATTLE
SEPTEMBER 26—1 P. M.



At the farm 5 miles south of White City and 3/4 mile west. 13 miles northeast of Herington. 18 miles northwest of Council Grove. 5 miles north and 3/4 west of Highway 50 on White City road.
20 HEAD OF REG. BROWN SWISS. This is a small but very select herd of high quality and good breeding. There are 10 cows all good ages sired by a son of James Royal. 4 2-year-old heifers sired by a grandson of Colonel Harry. 6 yearling heifers by the same sire. They are all line bred Jane of Vernon. Our herd sire a 3-year-old bull sired by Demonstrator who is in turn sired by the great Colonel Harry. A good individual. Also an extra good saddle mare, 5 years old and well broke.

J. C. SCHUBERT & B. N. WERNER, Owners
Mike Wilson, Auctioneer

The 8th Annual Sale of the KANSAS STATE GUERNSEY BREEDERS' ASSN. Is a Consignment Sale Sponsored by the State Assn. to Promote More and Better Guernseys in Kansas

The consignments have been selected by the State Sale Committee, so that each buyer may be assured of quality cattle. The sale will be held at the State Fair Grounds in Hutchinson, Wednesday, October 25th, at 1:00 P. M. There will be 10 heifers especially selected which may be purchased by 4-H Club and FFA members only. They will make excellent 1951 club projects. Additional consignments of outstanding cattle have been secured from Nebraska, Missouri, Oklahoma, and Mississippi as well as the top herds of Kansas. Buyers can be assured of quality cattle.
As examples, two world record cows have been sold in the Kansas sale. Prices in the Kansas sale have been very reasonable, however, since these selected quality cattle have brought only slightly more than some of the top farm sales. A catalog giving the complete pedigree and all production records for each animal in the sale may be obtained from

C. J. GRABER, Secretary, Route 1, Newton, Kansas

Fourth Annual Tri-State Brown Swiss Sale



Sale at Free Fair Grounds
Topeka, Kan., Wednesday, October 18
12:30 Noon

45 Carefully Selected Registered Brown Swiss
Selling more good cows than in any former sale. A number of choice bred heifer and several open heifers. The 5 bulls selling are strictly the herd heading kind. This is a sale of 25 breeders from Kansas, Missouri and Nebraska. See October 7 Kansas Farmer for list of Kansas breeders who consign to this sale and other information.

Write now for catalog to ROSS ZIMMERMAN, Secretary TRI-STATE SALE COMMITTEE, Abbyville, Kan., Rt. 1
Auctioneers: Bert Powell, Charles Cole, Glen McCormick
Mike Wilson with Kansas Farmer

DUROC BRED GILTS

From a top sow herd and bred to Royal Fleet Line 1st and the 49er Nebraska Junior Champion. A few are bred to New Design. Also spring pigs.
B. M. HOOK & SON, Silver Lake, Kansas

ETHYLEDAL FARM Improved for type and bigger litters. Best of breeding. Choice fall boars and fall gilts ready to go.
DALE SCHEEL
Emporia, Kan., Rt. 2

REGISTERED SPOTTED POLAND CHINA Boars and gilts sired by four leading boars: Raymond's Rocker, Television, Hi Vigor and Kelly Kid. Double immune. For information write or call. GEO. RAYMOND, Garnett, Kan.

SHEEP

Yearling Shropshire Rams

Another bunch of husky rams ready to go. D. V. SPOHN, Superior, Nebr.

Chappell's Shropshires

Thirty years of constructive breeding. Now offering our greatest production of rams and ewes. Show rams and ewes. Stud rams and foundation ewes. CHAPPELL'S FARM, Green Castle, Mo.

HOGS

UNITED STATES DUROC BREEDERS' ASSN. SALE

October 4th
Smith Center, Kansas

Show at 10:00 A. M.
Sale at 1:00 P. M.
at the fair grounds

Selling 25 husky Boars and 35 Gilts.
Selected from 20 members of this organization. Individuals and breeding are unequalled.



For catalog and information write
VERN V. ALBRECHT, Sec. and Treas.
Smith Center, Kansas
Bert Powell, Auctioneer

JOINT SALE

of Outstanding Duroc Boars and Gilts
October 7
at Huston farm
Americus, Kansas

Huston offering sired by
EUREKA—Sire of '49 Colorado grand champion, recently selling for \$1,500. '49 junior champion boar at Topeka and Hutchinson fair.
GOLDEN MONARCH—Brother of mother of nations highest PR sow, all breeds this champion sow carries two other lines of Huston breeding.

Stewart offering sired by
FANCY KING—A son of Lo-Down Fancy.
HILLSIDE STAR—A grandson of Red Star and Crown Prince.

Write for catalog to
LESLIE STEWART or
WILLIS HUSTON
Americus, Kansas
Auctioneer—Bert Powell

100 REG. HAMPSHIRE HOGS

Sell at Auction, at Paola Sale Barn
Paola, Kan., October 14, 1950
at 1:00 P. M.



Bred Sows and Gilts—Sows and Litters, Open Spring Gilts and 25 Spring Boars. Immune and ready for breeding. This offering selected from good litters of production tested bloodlines. We welcome your visit and inspection of this offering any time. Also our herd boars and our sow herd, which is mostly O'Bryan bred. Farm located 6 miles south, 1 mile west and 1/2 south of Gardner, Kan. Judging contest at 11 A. M. for 4-H and FFA members, a weanling sow pig to each for prizes.

For further details write for catalog to
JOHN FRUIT, Edgerton, Kan.
Auctioneers: Darvin Johnsons, Deerfield, Mo.
Wade Morris, Paola, Kan.

Hampshire and Hereford Private Sale

Because of other interest we are going to sell half of our herd of registered Hampshire hogs. 35 gilts 3 months old; 10 boars 3 months old; 8 gilts 5 months old; 20 gilts 8 months old; 16 bred tried sows; 15 bred gilts to start farrowing Nov. 2. Our herd boar, Empire, is out of the dam that farrowed the \$8,500 Tru-Mold and his sire Conquest is out of the \$8,000 Comprest. We offer 4 registered Hereford bulls for sale. These bulls are good herd sire prospects. NO Sunday Sales.
DWAIN HOLCOM, Gypsum, Kan.

Kansas Hampshire Hog Breeders' Association

4TH ANNUAL CONSIGNMENT SALE

of Bred Gilts, Spring Boars and Open Gilts. Immediately following the Hampshire Judging
Tuesday afternoon, September 19
at the
Kansas State Fair, Hutchinson, Ks.
This offering will consist of hogs selected from the leading herds in Kansas. Many of the sale animals will be show prospects and will be exhibited at the State Fair. Those of you breeders who have not yet made your entries do so immediately by contacting Carl G. Eiling, Secretary-Treasurer and Sale Manager, Manhattan, Kan.
Col. Bert Powell, Auctioneer
Mike Wilson for Kansas Farmer

Dairy CATTLE

DAIRY SALE

Thursday, September 28

12 Miles South of Wichita on Highway 81 and 2 Miles East

HAND'S AYRSHIRES

25 Registered Milk Cows, 2 Registered Bulls, 8 Registered Calves. These cows are on herd test and have a classification of .848. For catalog write

WALTER HAND, Mulvane, Kan.

**DAIRYMEN!
Reg. Holsteins**

60 Springing and Fresh Cows, Open and Bred Heifers, 4 Bulls. From Missouri best herds. All with production records and clean health tests. All profitable kind and at prices you set.

Missouri State Holstein Sale

Ozark Empire Fairground, Springfield, Mo. 12:30 P. M. — October 2, 1950

For sale catalog write to J. E. CROSBY Jr., Secretary, 113 Waters Hall, Columbia, Mo.

Auctioneer: Bert Powell, Topeka, Kan.



Registered and Pure Bred WISCONSIN HOLSTEIN CALVES
For Higher Production Herds

Exceptional offering of registered and pure bred Holstein, Guernsey and Brown Swiss heifers and bulls from the finest herds. Tested, vaccinated. Well started—no milk required. Fine selection always on hand. Approval shipment. Write today.

Lowest Prices on HOLSTEIN Cows and Bulls J. M. McFARLAND & Son Watertown 2 Wisconsin

SERVICEABLE-AGE BULLS
NOW LEASED OUT, WILL BE FOR SALE October 1, 1950



Are grandsons of Carnation Madcap Marshall whose 3 near-est dams have a record of 1011 lbs. fat.

GILBERT BEAGEL, Alta Vista, Kansas

HIGHER VIEW DAIRY FARM HOLSTEINS

Located 4 miles north of Hays, on highway 183. Featuring the bloodlines of Clyde Hill and the Crescent Beauties. We have 125 head in our herd. Serviceable-age bulls for sale at all times. We offer a few females occasionally. Visitors always welcome.

J. D. & E. E. FELLERS, Hays, Kan.

Holsteins Sunnymede Farm

See our milking daughters of "Burke" Senior Sire

Pabst Burke Lad Star

Sire: Wisconsin Admiral Burke Lad Dam: Ollie Lady Star Nettie Sons of Pabst Burke Lad Star available. For increased production use "Burke's." C. L. E. EDWARDS, Rt. 9, Topeka, Kan.

REG. BROWN SWISS BULLS

Bull calves up to 8 months old. Priced to sell. See or write MARVIN ALL, McPherson, Kan., Rt. 2, 3 south and 1 east of McPherson

GUERNSEY SALE

Sale on 71 Highway, 7 miles of

Carthage, Mo.

Thursday, September 28

41 REGISTERED GUERNSEYS

(4th Annual Consignment Sale) Selling 10 Cows, 10 Bred Heifers, 17 Open Heifers, 4 Bulls. The highlight of the sale is a 5-year-old son of Langwater Country Squire. Several show prospects sell. This sale offering represents consignment from a number of good herds. For Sale Catalog Write to

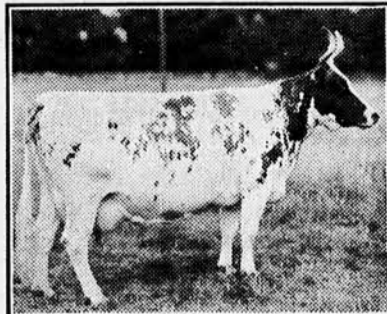
MR. and MRS. L. K. EARL, Sale Managers, Route 2, Carthage, Mo. Auctioneers: Bert Powell & Newman Brothers

HYCREST FARM GUERNSEYS

Offering 2 good yearling bulls out of tested dams. They are sired by a bull whose dam 682 lbs. fat 2X 305 days. His first daughters will finish with over 400 lbs. as 2-year-olds 2X 305 days.

HYCREST FARM, Olathe, Kansas

DAIRY SALE



Sale will be held at the McKinley Winter Livestock Pavilion

Dodge City, Kan.

Sept. 27, 1:00 P.M.

65 HEAD OF DAIRY CATTLE

45 Head of Registered Ayrshires.

20 Head of High Grade Holsteins, 2- and 3-year-old heifers.

2 Registered Ayrshire Scottish Bred Bulls. 40 of these cows will be fresh by sale day and not later than October 10.

For catalog write to

RUSSELL RIEGEL, Ford, Kansas

3rd Annual Nebraska Ayrshire Assn. Consignment Sale

Lincoln, Nebraska, Saturday, September 23

Sale starts at 12:30 o'clock. Nebraska State Fair Grounds

45 Head Sell

Consignments are from many outstanding Nebraska herds as well as a few prominent Iowa and Kansas breeders. The sale will include daughters of several proved and studied sires. They are mostly bred heifers, young cows in milk or close up, yearling heifers and heifer calves. A few bulls of serviceable age or near, whose dams have at least 400 lbs. or more M. E. butterfat record. A few Canadian bloodlines will also be presented.

CONSIGNORS: Merritt Cook, Nemaha, Ia.; Ben Nannen, Pierson, Ia.; John Zwaggerman, Sheldon, Ia.; Raymond Landes, Hamlin, Kan.; Ernest Hageman, Ithaca, Nebr.; Gerald Hall and Mryl Hall, Elmwood, Nebr.; E. G. Rohrke, Norfolk, Nebr.; Harry Warner & Son, Allen, Nebr.; Adolph Larson, Hastings, Nebr.; Clarence Bronzynski, Windside, Nebr.; and Earl D. Christensen, North Bend, Nebr.

Judging contest at 10 A. M., September 23, for boys and girls of 4-H and FFA ages, will be held, with Credit Awards of \$30 and \$20 for those below 15 years of age, \$30 and \$20 for those between 15 and 20 years. Credit awards to be applied toward purchase of heifer calves during the sale. All animals offered in sale are Tb. and Bang's tested and many are calfhood vaccinated.

For sale catalog and pre-sale banquet reservations write EARL D. CHRISTENSEN, Sale Manager, North Bend, Nebr. Mike Wilson, Auctioneer

COMPLETE DISPERSAL MEADE AYR FARMS REGISTERED AYRSHIRES

Meade, Kansas

Monday, September 25 at 12 Noon



75 of the breeds best. This is one of the nation's best herds and an opportunity of a lifetime to buy them at your own price. Foundation stock, calf club heifers, herd building animals from baby heifer calves to the breeds best living sires. Health—Tb. and Bang's tested.

Byron Fisher, Owner

For catalog write to Frank V. Lile, Sales Manager, Bellefontaine, Ohio Auctioneers: Col. George Roberts, Meade, Kan.; Col. Joe Lile, Bellefontaine, O.

Foundation Cattle

The First Cornhusker Invitational Guernsey Sale

Monday, September 25, Lincoln, Nebr.

4-H Barn, State Fair Grounds, 12:30 P. M.

45 -- HEAD -- 45

Good Kansas, Nebraska, Illinois, Minnesota, Iowa Herds Are Sending 10 COWS — 30 BRED HEIFERS — 5 OPEN HEIFERS

The cows and the dams of the heifers have production records. The consignors have been liberal in sending animals from the top of their herds. These cattle carry popular proven blood and proven production. You will find the useful kind in this sale. Sale headquarters: Cornhusker Hotel, Lincoln, Nebr. Please make your reservations early.

Write for catalog to E. E. (AL) VARY, Sales Manager

Route 2, Sterling, Illinois, Phone 2941-3

In cooperation with the Nebraska Guernsey Breeders' Association

BULL CALVES FOR SALE

We bred and developed the first and only Holstein cow in Kansas to produce 1,000 pounds of fat in 365 consecutive days. Young bulls with high-production dams or granddams. H. A. DRESSLER, LEO, KAN.

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



HAROLD TONN

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

Beef CATTLE

It Will Pay You to Start Thinking Now About the F. T. BROWN & SON POLLED SHORTHORN October 9 OPPORTUNITY SALE at Oxford, Nebr.

Oxford Commission Co. Pavilion at 1 P. M. Selling 16 Bulls—44 Females. Also several 4-H Club calves. The bulls include the 4-year-old sire Collynie Foremost and 11 of his sons. This bull is sired by Lynnwood Nugget. He is sire of the entire 1950 Brown show herd. The show herd will nearly all sell in this sale. The females include 22 cows with calves, 22 Bred Cows and Bred Heifers, 2 Open Heifers. They are mostly daughters of Collynie Front Rank and Collynie Foremost. Many of them carry the services of Hildale Collynie 10th, half brother to 1948 International grand champion female, and to the 1950 National Polled Congress Show and Sale top-selling bull.

F. T. Brown & Son, Owners Mervin F. Aegerter, Sale Manager Seward, Nebraska J. E. Halsey, Auctioneer

NOW OFFERING A FINE GROUP OF SCOTCH SHORTHORN BULLS

Ranging in age from 10 to 14 months. Nice reds and roans sired by Prince William 20th. GLENN E. LACY & SON, Miltonvale, Kansas



Ride the Pony Express by Consigning to and Attending the 2ND PONY EXPRESS REG.

HEREFORD CONSIGNMENT SALE Thursday, October 5

Purebred Livestock Sale Pavilion South St. Joseph, Mo.

50 HEAD OR MORE—Registered Herefords of the type you would like to own (both horned and polled) will sell that day. Also a number of steer Hereford calves suitable for club work. You will like the popular bloodlines represented. Plan to consign your cattle or buy your breeding stock at this outstanding event. Many of the good herds of this area will have cattle there. We can still use a few more consignments—mail yours today. For further information or catalog write: DONALD J. BOWMAN, Sales Manager, Hamilton, Missouri Auctioneer: Freddie Chandler

FOR SALE — 12 Registered

POLLED and HORNED HEREFORD HEIFERS Real Plato Domino breeding 6 to 8 months old. E. H. PETERMAN, Ellsworth, Kan.

Double Standard Hereford Bull 3 years old. Domino breeding. Registered. See or write CLIFTON HOSTERMAN Rt. 1 (7 miles south) Admire, Kan.

AMERICA'S FASTEST GROWING BEEF BREED

Proof of the profit-making ability of Angus cattle is the rapid growth of this modern breed. In 1949 the Angus breed was the only major beef breed showing increases in both registration and transfers of purebred cattle. For information write Dept. KF, AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION, Chicago 9, Illinois



Dual-Purpose CATTLE

RED POLL BREEDERS

See the Red Polls at the Kansas State Fair at Hutchinson, Kan.



Plan to be present Show Day Sept. 20 at 1:00 o'clock When Red Polls will be judged by Chester R. Graff, Bancroft, Nebr.

For breeders list, literature and other information write to

Kan. Red Poll Breeders' Assn. J. E. LOEPPKE, Sec.-Treas., Penasola, Kan.

The 8th Annual MILKING SHORTHORN Breeders Fall Sale

October 21, 1950

1 P. M.

Fairbury, Nebraska

45 Head Selling. The offering will include 10 bulls and 35 females. Selected from some of the leading herds in Nebraska. For catalog and information write

MAX KIMMERLING Beatrice, Nebr.



WHR HELMSMAN 4th

His Get and Service Will Be a Feature in This Sale
LONGVIEW FARMS INVITES YOU to Their First Hereford Sale

Thursday September 28

At the farm on Longview Road half-way between LEE'S SUMMIT, MO., on U. S. 50 and HICKMAN MILLS, MO., on U. S. 71.

WHR HELMSMAN 4TH

65 Reg. Herefords Sell—10 Bulls, 20 Cows (with calves at side, or to calve soon), 20 Bred Heifers, 10 Open Heifers
Offering features the get and service of WHR Helmsman 4th (pictured here), LVF Helmsman 16th (pictured here), and the service of WOC Jayhawker D. 98th and LVF Blocky Domino 3d.



LVF HELMSMAN 16TH

These Herefords sell in good practical condition, and are bred and selected to go on and do a good job in any herd. Longview Herefords are making good in purebred herds, farm herds and in commercial herds over a wide area, and regardless of your needs you will find cattle in this sale that will satisfy you.

Transportation will be furnished to the farm from any of the downtown Kansas City Hotels by calling the farm office DWight 5458.

FOR CATALOG, ADDRESS

LONGVIEW FARMS, Lee's Summit, Mo.

Roy Buell, Cattle Department
Colts. A. W. Thompson & Jewett Fulkerson, Aucts. Russell Parker, General Manager
Donald Bowman with Kansas Farmer

PLAN TO ATTEND THE E. A. RIEDINGER REG. HEREFORD PRODUCTION SALE

RIEDINGER HEREFORD RANCH DE SOTO, MO., FRIDAY, SEPTEMBER 29

1 P. M. — Sale at ranch in tent 1 mile north — Lunch on grounds

56 LOTS — 81 HEAD



RH ED MAR STAR sells. A top son of TH North Star 9th. Calved 3-11-1946.

You will find top breeding plus quantity plus quality at Riedingers.

Featuring the blood of OJR Royal Domino 10th; TH North Star 9th; WHR Helmsman 68th and 88th; Bar 13 Conqueror 35th; and Larry Domino 50th. Selling a top proven sire—RH ED MAR STAR, calved March 11, 1946, a top son of TH North Star 9th. 25 Young Brood Cows with calves at foot. 23 Bred and Open Heifers. 7 Yearling Bulls—Several herd bull prospects. 3 sons of OJR Royal Domino 10th. 1 son of MW Larry Domino 96th. 1 son of Super Blanchard VM. 1 son of Don J. Mixer 11th. 1 son of TH North Star 9th.

All cattle recently tested for Tb. and Bang's.

E. A. RIEDINGER, Owner, DeSoto, Mo.

Write at once for catalog to DONALD J. BOWMAN, Sales Manager, Hamilton, Mo. Aucts.: Jewett Fulkerson, Bob Stovesand Darrell Johns, Herdsman



COMING! COMING! COMING!

Yes the consignments are coming in from all 4 states.

Missouri, Kansas, Oklahoma, Arkansas for the Second 4-State

REG. HEREFORD CONSIGNMENT SALE

To be held at the JOPLIN STOCK YARDS
Joplin, Mo., Wednesday, September 27

It looks like a Great Offering of Registered Hereford Bulls and Females of the right type consigned from the good herds of this area.

Plan now to attend and write for catalog to DONALD J. BOWMAN, Sale Manager, Hamilton, Mo. Auctioneer: Col. Freddie Chandler

Announcing the Complete Dispersal of THE S. W. BURNHAM HERD OF REGISTERED HOLSTEINS

Selling at the S. W. Burnham Dairy Farm (on Hwy 81), South of City Limits

York, Nebraska, Tuesday, September 26, 1950

80 Head of Registered Holsteins Including 48 Cows in Production

Last years herd average 430.4 fat on 2 X on 27 head DHIA. A young herd with only 2 over 5 years old.

20 head of heifer calves, from babies up to nearly 1 year old. 4 herd sires are included in the offering. 1 from (Ex.) dam; 2 from (V. G.) dams; 1 from (G. P.) dam; all with good records.

Catalog out about September 15, write for yours now to

T. HOBART McVAY, Sale Manager, Nickerson, Kan. Auctioneers: Robt. E. Seitz, Waukesha, Wis.; Glenn McCormick, Cedar, Kan.

John Stumps & Son Polled Hereford Reduction Sale

Selling at Ranch—1/2 Mile North, 1 1/2 Miles East, 1 1/2 Miles North of
Bushton, Kansas, October 10, 1950



SELLING — 90 HEAD

25 Bulls—11 coming two-year-olds, 14 yearlings.
65 Females
15 Open Heifers
50 Bred Cows and Heifers, some with calves by side

Calves sired by ALF Beau Rollo 39th—4521538—245176 and JMP Beau Domino—4661630—257648, he sired by Beau Perfect 243d.

Cows are bred to JMP Beau Domino—4661630—257648
Captain Plato 44th—5591804—352045
PVF Adv. Worth 39th—5045148—303389
MKP Pld. Helmsman 10th—5697959—360812

JOHN STUMPS & SON, Owners, Bushton, Kansas

For Catalogs and information, write VIC ROTH, Sale Manager, Box 702, Hays, Kan.

Auctioneer: Freddie Chandler

3 HERD SIRES—NOTE:

Captain Plato 44th sired by Captain Plato, son of Real Plato Domino, the bull that sold in the Fritz Kerbs sale to Mr. Wescott at a record price for that age bull.

PVF Adv. Worth 39th, bred by Jesse Riffel & Sons, son of PVF Adv. Worth 2d, the National Champion.

MKP Pld. Helmsman 10th, bred by Joe C. Maes, son of WHR Pld. Helmsman, the outstanding sire bred by WHR, now in service in the Maes herd.

As this is a reduction sale, cattle selling are many of our tops. A son of JMP Beau Domino was top-selling bull in the first Kansas Polled Hereford Association Sale in 1948.

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



FOR SALE REG. ANGUS BULLS

Herd sire, 4 years old, Bandolier breeding and 10 Yearling Bulls.
JOHN MOORMAN
Rt. 3 Hutchinson, Kan. Phone 5462

L. W. THIEMAN'S POLLED SHORTHORN SALE

October 18, 1950

at the farm

Concordia, Mo.

Selling

15 Bulls — 48 Females



KING OF THE VANITIES 101ST—A son of the 1948 International grand champion bull, King of the Vanities 50th. He is one of the 15 outstanding bulls selling in this sale.

The bull lineup is one of the strongest ever offered by any Polled Shorthorn breeder anywhere. It includes 8 thick, good headed, deep bodied, heavy quartered sons of the 1949 international grand champion bull, Killlearn Max Juggler. There are 2 sons of the 1948 international grand champion Polled Shorthorn bull, King of the Vanities 50th. There will be 2 half brothers to the "50th", both sired by King of the Vanities.

In June this year, the entire Sperry Farm Polled Shorthorn herd from Greenwich, N. Y., was purchased by L. W. Thieman. No money was spared when Mr. Sperry assembled this great herd of cattle a few years ago when he paid nearly \$1,000 average for them. Heading the herd was the 1948 National Polled Congress Shorthorn herd bull Jnoetta Defender and Cherry Hill Adroit, the young solid red son of Edellyn Royal Leader 2d. In this sale, Mr. Thieman has decided to sell all of the Sperry herd. None of the females are over 4 years of age. There will be 25 cows with calves at foot, 23 bred and open heifers. Among them are Congress champions, half brothers and sisters to Congress and International grand champions, International winners and State Fair grand champions. They all sell in one of the grandest Polled Shorthorn opportunity sales of the year.

For the catalog and other information, write today to:
MERVIN F. AEGERTER, Sale Manager, Seward, Nebraska
Auctioneers: J. E. Halsey and C. D. Swaffar

Northeast Kansas Aberdeen-Angus Breeders' Association
 Ninth Consignment Sale of
REG. ABERDEEN-ANGUS CATTLE

at Schofield, Chestnut, Earhart Sale Pavilion
 1/2 mile west on highway 36



Hiawatha, Kan.
Saturday, October 7

Sale Will Start at 12:30 Sharp

**100 HEAD: 60 Reg. Cattle and
 60 4-H and FFA Club Calves
 10 Bulls, 30 Females**

Lunch will be served by Mt. Zion 4-H Club
 Mrs. Max Dickerson, Hiawatha, Kan., Clerk

CONSIGNORS:

	Bulls	Females
W. F. Winters and son, Robinson, Kan.		2
William Holden, Robinson, Kan.		1
Max Hargrove, Effingham, Kan.		3
Sterling Gilmore, Highland, Kan.		2
C. E. Ward, Highland, Kan.	1	2
Harry Dandliker, Hiawatha, Kan.	1	5
J. C. Long and son, Haddam, Kan.	2	1
Henry Tegtmeler, Jr., Bern, Kan.	1	3
W. D. Gilmore, Highland, Kan.	2	6
Roy Martin, Highland, Kan.	1	0
Hugh Gilmore, Highland, Kan.	1	1
Robert Miller, Highland, Kan.	1	5
Ward Gilmore, Highland, Kan.	0	1
Lyle Boehmer, Seneca, Kan.	1	0
Dale Smith, Willis, Kan.	0	16

Cattle in sale are sired by such bulls as Prince Sunbeam 29th, Rev. Blk. Prince, Sunflower Eston 4th, Ever Prince Rev. 2nd, Revemere of Wheatland 50th, Blackcap Bandoller 19th, Highland's Sunbeam Lad, Ever Prince 33rd, Blackcapper W. 11th and other good bulls. (Ever Prince Elbus.)

For your free catalog send your name to
HARRY DANDLIKER, Sale Manager, Hiawatha, Kan.

Auctioneer, Ray Sims, Belton, Mo.

Officers: President, Harry Ukena, Highland, Kan.; Vice-President, Hugh Gilmore, Highland, Kan.; Directors, George Hook, Morrill, Kan.; Max Hargrove, Effingham, Kan.; C. E. Ward, Highland, Kan.; Sterling Gilmore, Highland, Kan.

EMMADINE FARMS, INC.
 Attend Our Second Annual
PRODUCTION SALE
 Breckenridge, Mo., October 9, 1:00 P. M.

SALE IN TENT AT THE EMMADINE FARM

60 HEAD SELL



MW Larry Domino 87th—MW Larry Domino 36th—TT Mission Triumph

Featuring the Get and Services of the 3 noted Emmadine Herd Sires

MW Larry Domino 36th

MW Larry Domino 87th

TT Mission Triumph



A group of heifers and they all sell. Herb Hogan, Emmadine Manager, in the background.

15 Bulls ranging in age from Senior calves to 2-year-olds. 10 head ready for service. Four sons of MW Larry Domino 36th, 4 sons of MW Larry Domino 87th, 5 sons of TT Mission Triumph, and 2 sons of MW Larry Domino 83rd.

32 Bred Heifers, bred to the 3 Emmadine herd sires, 4 already have calved on the ground.

13 Open Heifers, sired by the 3 Emmadine herd sires.

All the show herd of their own breeding-sell—the cattle that stood well at Illinois and Missouri.

Don't miss this all out good sale—your opportunity to acquire show caliber Herefords.

Write for a Catalog Now!

EMMADINE FARMS, INC.

BRECKENRIDGE, MO.

J. C. Penney, President
 Auctioneers—A. W. Thompson, Jewett Fulkerson and Ray Sims
 Donald J. Bowman, Hamilton, Mo., Fieldman for Kansas Farmer
 Herb Hogan, Manager

Complete Herd Dispersion
 of the famous

L. M. Thornton Angus Herd

at the farms

Garden City, Mo., Monday, October 2

(50 miles southeast of Kansas City, Mo.)—Sale Starts 11:00 A. M.

150 HEAD SELLING

25 Bred and Open Heifers—Retained for herd replacements.

85 Herd Cows many with calves at side and rebred.

3 Proven Herd Bulls and several herd sire prospects.

Note—A grand set of cattle are being offered to the highest bidder. You are invited to come and buy with confidence. We sell every registered Angus on the farm.

Ask for catalogue now—Visit the herd anytime—Mail address

L. M. THORNTON, 2825 East 18th St., Kansas City 1, Mo.

Auctioneers—Johnston and Simms

Donald Bowman with Kansas Farmer

Buy Missouri ABERDEEN-ANGUS

Sale at Miller Farm 19 miles N. of Kansas City, Mo., near



Smithville, Mo., Oct. 10

This is the Annual Production Sale from the
 David & Margaret Miller, Sun-Up Farm Herd

The Offering includes: 29 Yearling Heifers sired by grandsons of Eileenmere 487th or General Of Page. Most of them will be bred to a son of Eileenmere 487th and from a champion Missouri Barbara cow shown at the Heart of America sale. 21 Cows with calves at side or close to calving. This is a group of females that should return a quick profit. 5 Bulls—1 proven sire and 4 yearling bulls.

Families that Sell: McHenry Barbaras, Cridlan Evergreens, Miss Burgess, Queen Mothers, Blackbirds, Blackcaps, Ericas.

Your attendance will be appreciated.

For sale catalog address

J. B. McCORKLE, Sales Mgr., 3850 A.I.U. Bldg., Columbus, Ohio

Don't Miss It, Mark Your Calendar—Tuesday, October 11, is the Date. The Sale Will Be Held at Windsor Place, Boonville, Mo.



Selling 18 BULLS
 55 FEMALES

It is a Mark of Distinction to have "Windsor Royal 437555" in a pedigree. Here is your opportunity to add some of this reliable breed improving blood to your herd.

We did not hold a sale in 1949. The past two years we have been setting aside top cattle from the produce of our good cows for our forthcoming sale. We cordially invite you to be with us on October 11.

Windsor Royal—our senior herd sire, his get and service sell. Also the service of Double Dandy by Double Dandy Domino; Royal Elevation by W.H.R. Elation 35th; Windsor Sovereign by Windsor Royal.

Our offering includes bulls of top herd bull caliber, bred and open heifers and a few tried bred cows with calves at foot. Several of our show herd sell.

WINDSOR ROYAL

Write for a catalog. WINDSOR PLACE, Boonville, Mo.

W. C. WINDSOR, Owner — GERALD WRIGHT, Manager
 Auctioneers: A. W. Thompson and Jewett Fulkerson Donald Bowman with Kansas Farmer

Announcing Our First

Hereford Production Auction

After 30 Years of Breeding Herefords

STRAIGHT HAZLETT BLOODLINES

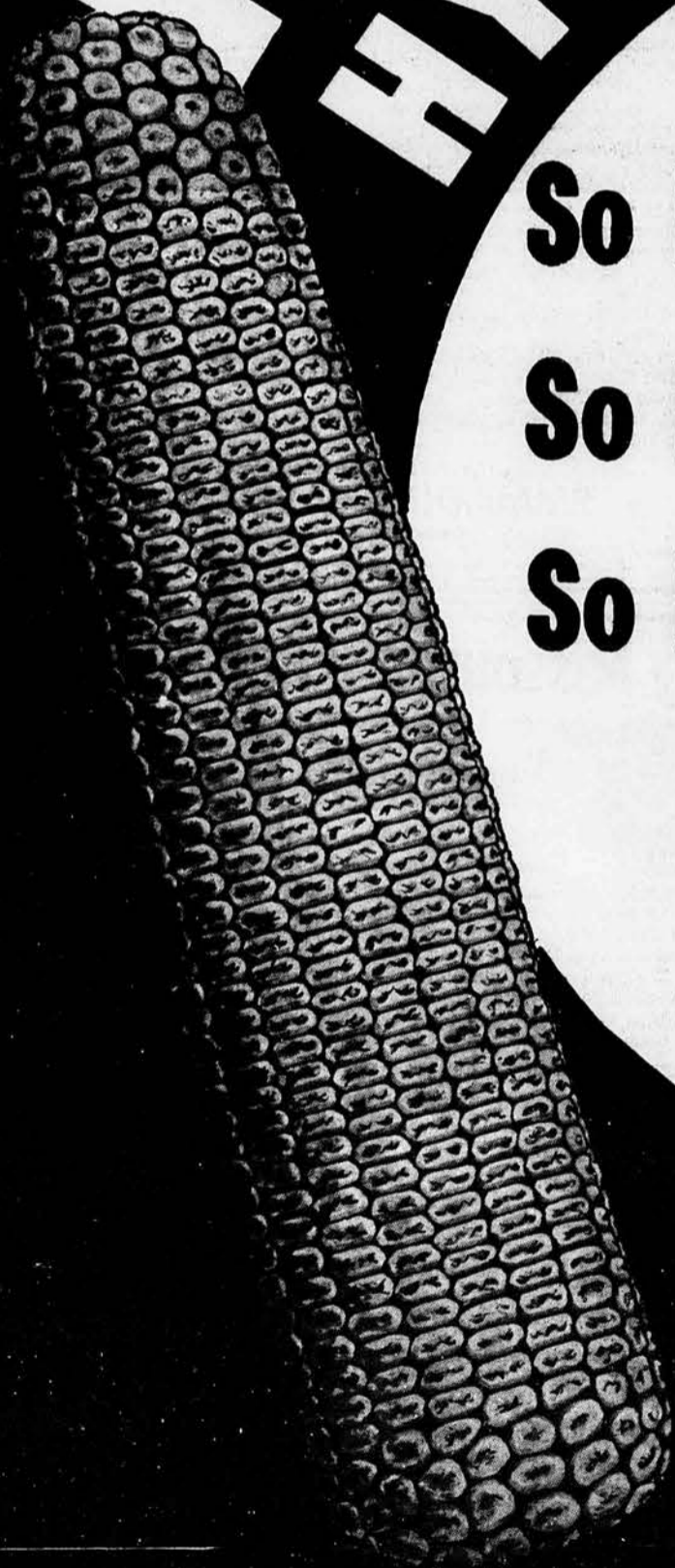


80 HEAD
 30 Bred Heifers
 30 Open Heifers
 20 Young Bulls

October 20

R. D. ELY, Owner, Attica, Kansas
 Auctioneer: Bill Heldenbrand

PIONEER HYBRID CORN



IS...

So Pleasant *to grow*

So Productive *to harvest*

**So Profitable *to feed
or sell***

THAT, this year
more farmers are growing
PIONEER than ever before
in history!

In '51... Plant the No. 1 Hybrid... PIONEER