

Kansas Farmer



IN HER U-TYPE kitchen, Mrs. Trapp can put food from stove onto serving bar back of stove. Dinette area can be seen just beyond stove. Cabinets are in natural wood.



ONE CORNER of Trapp living room was planned as substitute for library-office they could not find room for.



A DIVIDED BATHROOM provides this attractive wash-up area. Wall at extreme right is used for storage space.

Planned Every Detail Before They Built

Good well and windbreak outside are as important as utility room, U-type kitchen and other special features inside

IT IS A GOOD idea to do several years of planning before you start building a new farmstead. That is the advice offered by Mr. and Mrs. Lyle Trapp, Russell county, who now are in the middle of just such an undertaking. Mr. Trapp has farmed his present place many years, but he and Mrs. Trapp actually [Continued on Page 26]

LYLE TRAPP and his younger son, Jimmy, leave parking area, left, to enter their new home in Russell county. Some of landscape plantings are by Kansas State College Extension specialists.



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Next to moisture, nitrogen is the greatest factor influencing corn and sorghum yields. So for bigger yields of forage or grain, more net profit per acre, it is important to keep putting nitrogen and plant foods back into the soil.



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Name Winners in Kansas Market Lamb Production Contest for Achievement

WINNERS of 1952 Kansas Market Lamb Production Contest are announced. Because of various sizes of farm flocks, the contest is divided into 2 classes—flocks up to about 100 ewes or a 3-ram unit, and a class consisting of a 4-ram unit, or more.

Class I winners are: Glenn Miksch, Oswego; Roy Will, Denison; Eldo Steele, Halstead; Wayne Curry, Goodland; Elmer Bird, Great Bend; Maurice G. Gilliland, Holton, and Orion Williams & Son, Hoyt.

Class II winners are: Archer V. Marshall, Ruleton; Floyd Pickett, L. D. Morgan, William Laughlin, and Buford Herner, all of Goodland; Howard L. Haney, Carlton, and H. A. Praeger & Sons, Clafin.

A bronze and walnut plaque is awarded to each of 4 highest-scoring flock owners in each class. Certificates of merit go to next highest in each class, as honorable mention awards.

Archer V. Marshall, Ruleton, is winner of sweepstakes award for highest

scoring flock judged by a committee, and receives a silver trophy. All winners received their awards May 11, at Hutchinson, at ceremonies in connection with the annual Kansas Pure Bred Spring Ram Sale.

Mr. Marshall had 150 head of Texas ewes with an average lambing date of between December 1 to 15. Sale weight was 93.3 pounds per lamb at 145 days, making an average gain of .58 pound per day. Lambs were sold mostly on April and May markets, with average selling price of \$30.10 per hundred pounds. Total sale value was \$28.08 per lamb, returning a net of \$17.90 per lamb, with feed costs for the ewe and lamb deducted. He used sorghum grain and roughage, temporary pasture—rye, wheat, Sudan and crested wheat grass, and native buffalo grass. Rations were supplemented with protein.

Sponsors of the contest are Kansas Agricultural Extension service in cooperation with the Kansas City, Mo., Chamber of Commerce.

COME TO "OLD LIMESTONE DAY"

Plans are set for the anniversary celebration, "Old Limestone Day," to be held in Mankato, May 20.

Many farm people and soil conservationists are making plans to attend the tour of Limestone Creek area where the first soil conservation project was started in Kansas 20 years ago.

Hugh Hammond Bennett, former chief of the U. S. Soil Conservation Service, will be the featured speaker.

Kenneth Sanborn, Mankato city manager, said he has received many inquiries regarding the celebration, and that the event will be largest of its kind ever held in Kansas.

Special "Old Limestone Day" lunches will be served at the churches and restaurants in Mankato.

Sponsors of the event are Kansas Farmer, radio station WIBW, Topeka Daily Capital, and the Jewell County Soil Conservation District in Mankato.

New Machine Pollinates Alfalfa

A new machine has been developed to pollinate alfalfa more efficiently than the bee!

The new "Mechanical Bee" was invented by Dale Hvistendahl, of Minnesota, who found 3 conditions are necessary to pollinate alfalfa. Blossoms must be "tripped" to expose pollen. Pollen must be dry enough to turn into dust. The dust must be blown thru the air to cross-pollinate nearby plants. For ideal complete pollination, there must be plenty of bees keeping busy on a hot, windy day. Since often that doesn't happen, the Mechanical Bee creates these conditions, comments Ford Farming.

Foam rubber rollers trip blossoms and a butane gas unit heats air, which is blown into a pollination chamber behind rollers. This "dusts" pollen, blows it around. Tests in Minnesota and South Dakota in 1952 indicate seed production may be doubled or tripled by using this machine.

Extend Crop Loan Period on Corn

Loan period on 1952 crop corn by Commodity Credit Corporation has been extended thru July 31, 1954, announces U. S. Department of Agriculture. Also, farmers are permitted to convert purchase agreements into corn loans for the extended period. For full "reseed" period, storage payment will be 13 cents a bushel.

Loans on the 1952 crop were scheduled to mature on July 31, 1953.

Much Wheat Under Support Program

More wheat has been put under government price support this year than ever before, with 455.8 million bushels

of 1952 crop under the program for latest figures. Largest previous quantity for full crop year was for 1942 crop—408.1 million bushels. In Kansas, about 146 million bushels are covered by the program, compared with 32 million bushels at that time in 1952.

For corn crop in 1952, a high total of 228.6 million bushels had been put under the program thru February 15, compared with 1951 crop total of fewer than 19.5 million bushels thru year before. Kansas totals were 2.9 million bushels of 1952 crop and 700,000 bushels for a year before.

Changes 4-H Job

McPherson county 4-H Club agent Stanley Meinen has resigned his position to accept a similar post in Finney county, at Garden City. He took up his new duties on May 11.

KANSAS FARMER

Continuing Mail & Breeze

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Needing New Houses for His Hogs, Mr. Gerstner Looked for New Ideas

IT WAS A COLD winter night 2 years ago that a light bulb in one of Royce Gerstner's A-type hoghouses apparently broke and started a fire in the straw. Nine individual houses burned and left Mr. Gerstner without a place for sows to farrow.

With new housing a necessity, he wanted to use every new idea he could find. He wanted all of his sows together for efficient handling during farrowing, and wanted fireproof housing, too. These and other features are part of 12- by 72-foot, 10-pen central farrowing house he designed.

House of cinder-block, fireproof construction with fire-safe electrical equipment, is concrete-floored with slope for drainage. Pens in front also are paved. An indoor walkway runs length of house inside north wall. This makes each pen readily accessible from inside or out. Attractive white finish on exterior of blocks aids in waterproofing house.

Each pen has a corner blocked off giving room enough for a heat lamp which is enclosed in hardware-cloth screen for added safety. Overhead light bulbs in the house also are enclosed for safety. A large blower-heater, using butane for fuel, is located toward one end of the house. For summer, 2 large fans cool the house. Another Gerstner idea is a front swinging door for each pen. Doors are kept just ajar in cold weather so sows can push their way out and nose their way in, keeping heat in house, and cold winds out. At 2 weeks, pigs get so they can work their way out, too.

Mr. Gerstner had 10 sows farrowing

last fall, all within a week of each other. He is starting purebred gilts and keeps a registered boar on the farm all of the time.

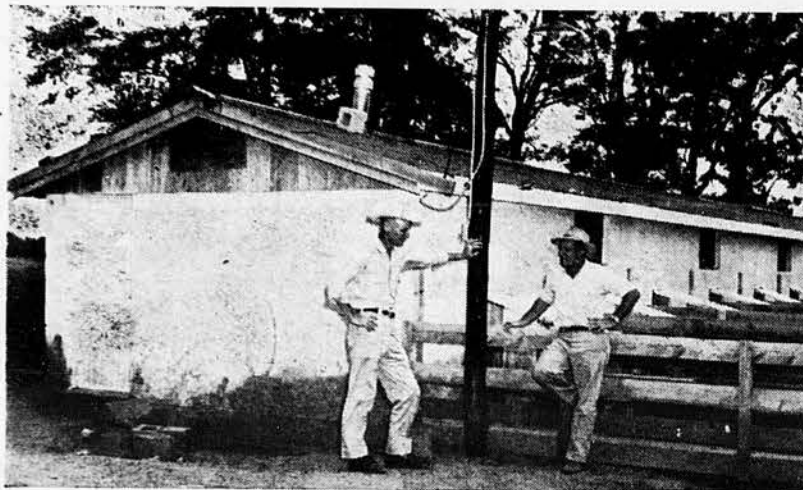
Poles and panels are set up in temporary brome pasture area to make creep-feeder for pigs. Later they run to metal feeders. Rye and vetch provide winter and spring pasture. Clover and early Sudan are used with $\frac{3}{4}$ pound protein per day. Aureomycin also is fed.

Nothing better than a shady creek bank of pure sand for hog wallow. Thirty acres along a creek with plum bushes to provide shade give Mr. Gerstner an ideal place for summering hogs. Well water is available to other pastures in rotation.

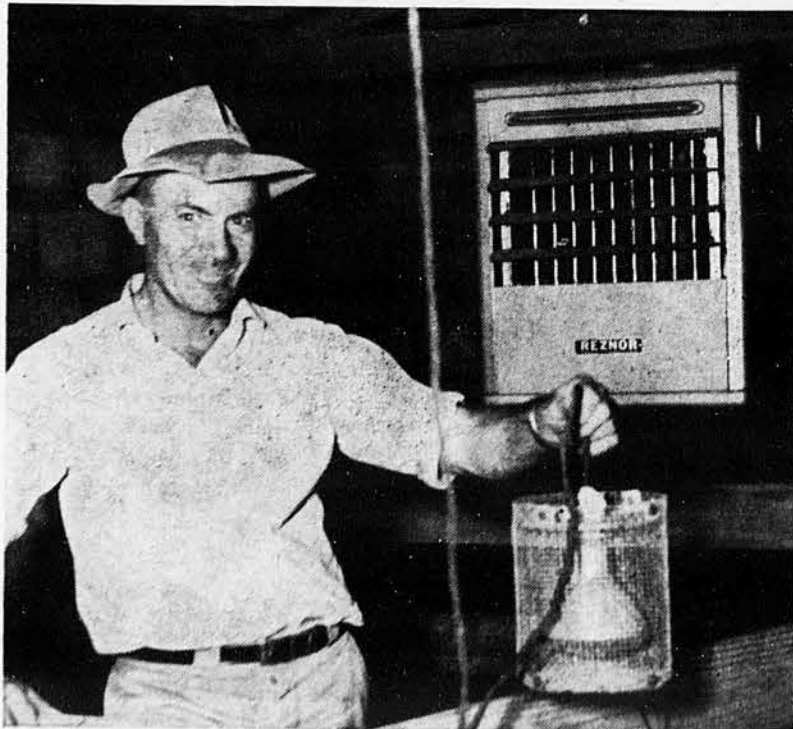
Discuss Green Pasture Program

A dairy program of greener pastures was endorsed by Sam Schneider, radio farm director of a Tulsa radio station, at a dairy farmer get-together in Topeka, April 20. About 350 persons attended. Mr. Schneider said more and better pastures means milk can be produced at a lower price to keep up with rate of population growth. Expanded dairy production will help solve world food problems, he said. "We need more farmers who will harvest their pastures' over-supply of grass in an attempt to provide green hay or grass silage for winter feeding."

The meeting was sponsored by the Topeka Chamber of Commerce dairy committee.



NEARLY COMPLETED 10-pen farrowing house shown here is on Royce Gerstner farm, near Sharon. Mr. Gerstner, right, discusses trend to bacon-type hogs to meet market demand. He finds long hogs give more pounds earlier.



NO MORE FIRES in his farrowing houses, says Royce Gerstner, shown here holding up screen-protected heat lamp inside his cinder-block house. Note heating-cooling unit.

We've worked our McCormick WD-9 hard for 4 years without one major repair!"

says A. N. Dirksen, Canton, Kansas

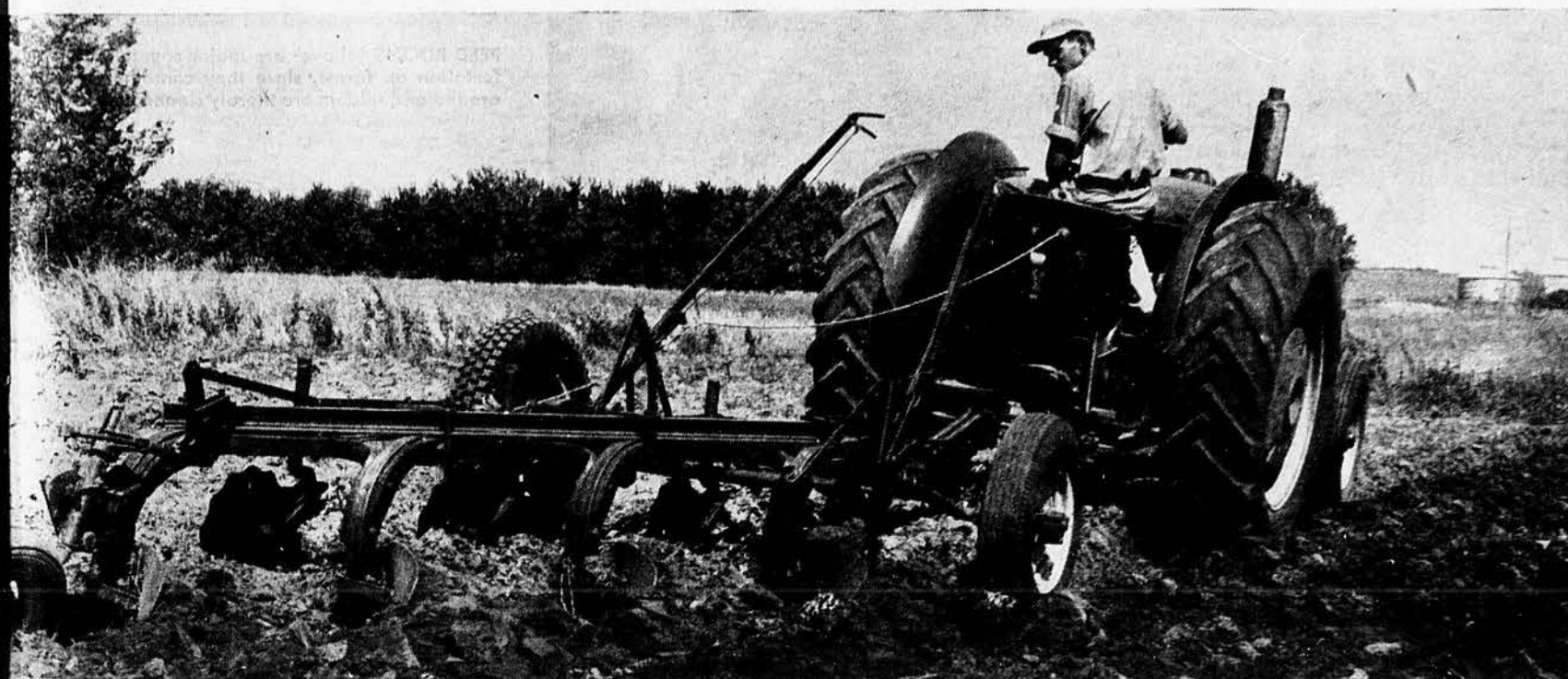


"We're hard on machinery," says A. N. Dirksen who, with his three sons, farms a 360-acre wheat ranch and operates a 45-cow dairy. "Here in central Kansas, our soil is often hard and dry. In spite of this, our McCormick WD-9, which handles our heavy work, hasn't cost us a dime except for points and plugs in over four years! Our WD-9 diesel starts easy, even in winter... handles like a much smaller tractor. It's a worker, too. With four 14's, we turn 26 acres of stubble in a day.

"We tend our row crops with a Farmall H and a Super C. Hydraulic

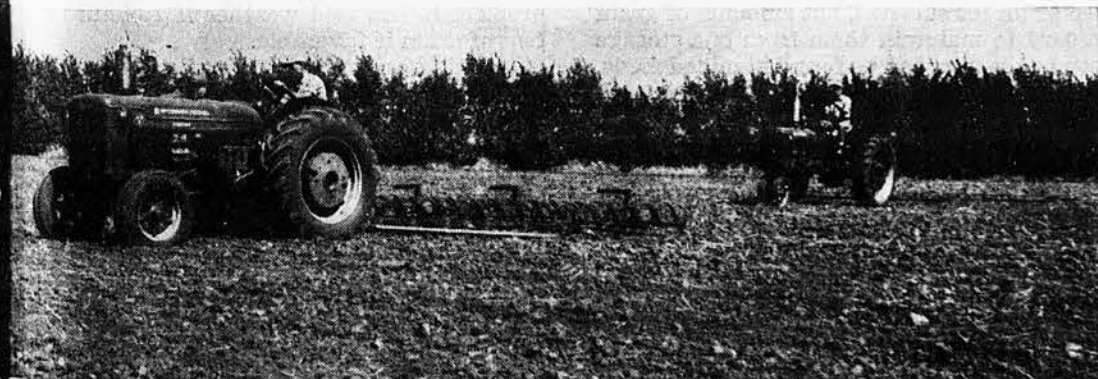
implement control sure makes cultivating and mowing lots easier. The lower operating cost of the Super C saves us money on chore jobs we formerly handled with a larger tractor."

The Dirksens keep crop production high with a corn-wheat-alfalfa rotation, barnyard manure, and commercial fertilizer. They use the field time saved with McCormick equipment to give their dairy herd better care, and to do custom work. Mr. Dirksen feels that time and labor-saving McCormick farm equipment was the biggest single factor in helping his three boys—Evan, Dennis, and Melvin—decide to make farming their lifework.



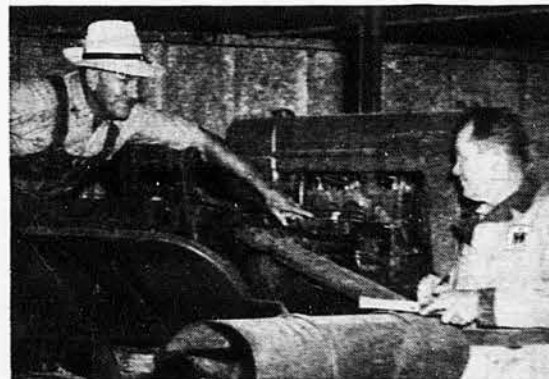
Our WD-9 uses less than 3 gallons of fuel an hour to pull a McCormick plow turning four 14-inch furrows seven inches deep," says Evan Dirksen. "We work the McCormick WD-9 all day with-

out having to shift down to prevent stalling. With our WD-9 and Farmall H, we can plow up to 40 acres in a 10½-hour day. We get over the ground fast—machinery pays for itself in a hurry."



We make a 60-acre seedbed in a day with our McCormick WD-9 and Farmall Super C tractors. The WD-9 walks away with an 18-foot, heavy-duty spring-tooth harrow working four inches deep," says Evan Dirksen. His brother,

Melvin, is shown finishing the seedbed with their Super C tractor and a 20-foot peg-tooth harrow. He says, "I can drag 60 acres with the Farmall Super C in a little over eight hours—on only one tank of gas!"



"Regular service check-ups by my IH dealer head off trouble, reduce service expense, and lengthen the life of my machinery," says A. N. Dirksen. Murle Hinkle, of local IH dealership, gives Mr. Dirksen's baler a pre-season inspection.

Make your farm more productive—your farming more successful. Your IH dealer has the equipment to help you. There are Farmalls, standard wheel tractors, and McCormick equipment built to fit any size farm, any type soil, or any system of farming. Ask for a demonstration, today. Prove McCormick equipment superiority to yourself!

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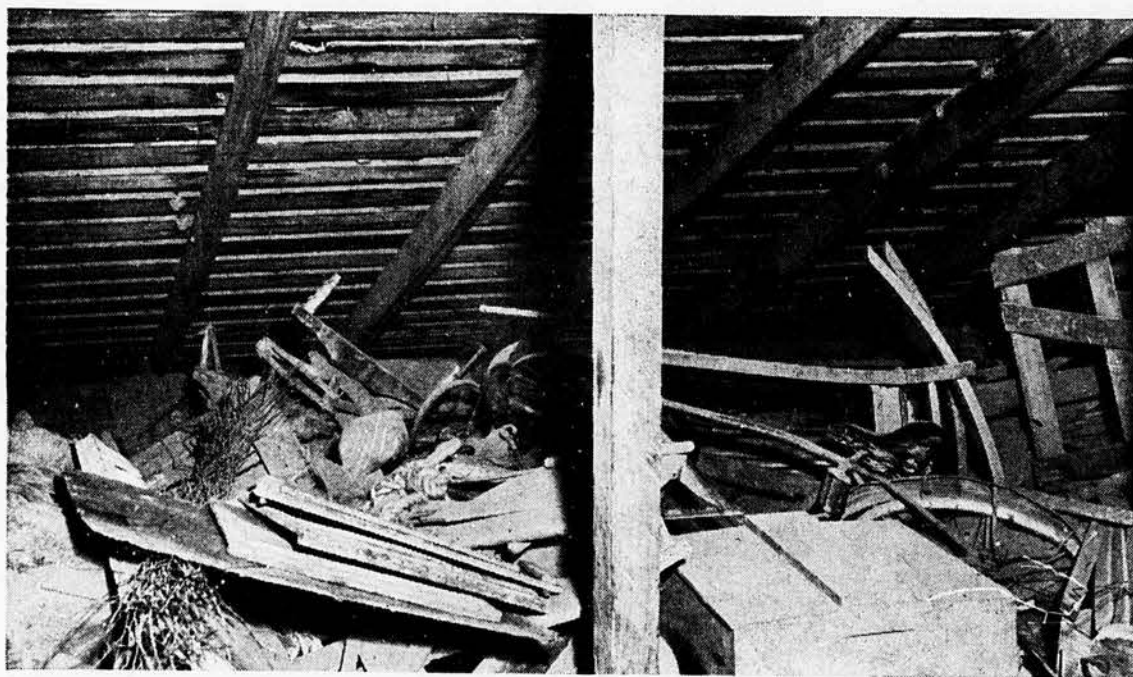
My IH Dealer is _____

I farm _____ Principal crops _____

Knock Out Stored Grain Insects

... eliminate waste, apply residual sprays and you likely will be ready to meet weevily-wheat regulations when they are imposed

By DELL E. GATES



FEED ROOMS (above) are major source of insect infestation on farms, since they contain grains year around and seldom are thoroly cleaned and sprayed.

ANY FARM BUILDING (at left) allowed to become a catch-all for trash is a natural place for rats and mice to breed. Rodents then get into your grain bins and feed rooms and do much damage.

WHEAT from the 1952 crop in Kansas was among the driest ever harvested in the state. Fewer than one twelfth the number of cars of weevily wheat from that crop have reached the Kansas City market compared to the 1950 and 1951 crops.

But danger of weevily wheat still exists. Now is the time to knock out stored grain insects on your farm. If you continue to eliminate waste grain around bins and apply residual sprays to walls of bins and feed rooms before harvest, you can be ready for the new wheat crop. The Pure Food & Drug Administration "crackdown" on weevily and rodent-infested grain has been postponed but weevils and rodents will cost you money until you eliminate them.

A survey of farms in Central Kansas last July and August showed accumulations of grain in feed rooms present a greater source of infestation of stored grain insects than wheat

stored in bins. Feed rooms contain feed and grain thruout the year and have not been cleaned out and sprayed as well as wheat bins. Sacking waste grain swept from a bin at spraying time only shifts the problem to another part of the farmstead. Insects will migrate by walking or flying into the bin of grain when it is harvested.

Some habits of stored grain insects must be remembered if we are to eliminate them from farms:

1. Stored grain insects are dependent upon stored grain for survival, but amounts of grain necessary to maintain them from one storage season to the next can be found in milled feeds, grain trapped in double walls, grain beneath bins or in cracks of a bin.

2. Stored grain insects are most active and reproduce most rapidly in grain with temperatures between 60 and 90 degrees. Studies of

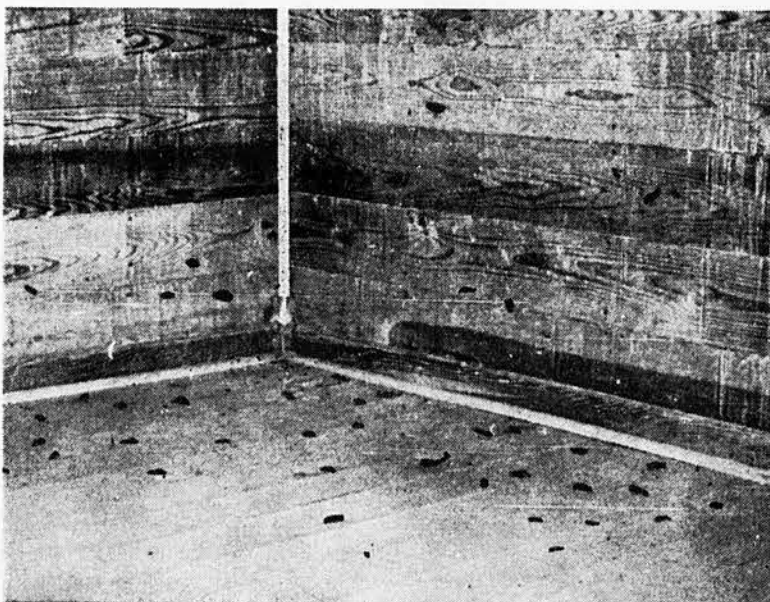
farm bins have shown that heat from summer is maintained in large bins so grain temperature is above 60 degrees until October.

3. Larvae of the cadelle which is sometimes called the flour worm migrates from wheat to wooden parts of bin in September and October. They tunnel into wood, hibernate for winter and emerge as the adult cadelle the next spring.

4. Most stored grain insects require only a month to complete their life cycle. A few weevil entering the wheat from cracks of an unsprayed bin in July will build up to a real problem before cold weather if moisture content of grain is favorable.

Moisture content of grain affects speed with which stored grain insect populations develop. If moisture content of grain is less than 12½ per cent, insects do not increase nearly as rapidly as if grain contains 13 or 14 per cent moisture.

[Continued on Page 13]



A THORO CLEAN-UP job plus a good residual spray has been used on this bin. Bugs have crawled out of crevices to die on floor and can be swept out before grain is binned.



THIS BIN obviously is infested with rats, as holes indicate. Such bins should be made rat-tight before grain is stored. Otherwise serious grain losses may occur year after year.

Kansas Farmer

News
and
Comment

Tomorrow's Farmers

MORE THAN 1,300 outstanding 4-H Club members, leaders and county Extension agents will attend the 4-H Club Round-up at Kansas State College, May 25 to 29.

Round-up schedule includes classes and discussion periods conducted by members of the college faculty. Home economics and agricultural subjects are planned for classes scheduled for either boys or girls. Classes on the organization of club work, club activities, and the International Farm Youth Exchange program are planned for those attending.

National 4-H Camp delegates will receive special recognition during the week. They will be initiated into the Kansas Master 4-H Club, an organization of National Camp trip winners.

Here you will find a good cross-section of the thousands of 4-H members and leaders in every county in the state. The work they are doing is building better citizens, preparing farm youth for the important work of taking over operation of our farms in the future. Certainly Kansas agriculture will keep in step with progress with these sincere folks studying to do a better job.

June Is Dairy Month

EVERYBODY is going to be aware, in this country, that June is Dairy Month. For the 17th year, 11 national dairy organizations are going to make sure of that. During the month everyone will be told by magazines, newspapers, radio, television—every available source—that milk and milk products are good for them.

Organizations sponsoring this big drive, and that believe in fully advertising a good product, include: American Butter Institute, American Dairy Association, American Dry Milk Institute, Dairy Industries Supply Association, Evaporated Milk Association, International Association of Ice Cream Manufacturers, Milk Industry Foundation, National Cheese Institute, National Creameries Association, National Dairy Council and National Milk Producers' Federation.

Does it surprise you there are so many organizations interested in boosting consumption of milk and milk products? Really that is only the beginning. To get the full picture we must count in the many producers, route men, collecting and processing plants, wholesalers, retailers and all who make their living from milk. Virtually every family in the United States depends on milk for an important part of its diet. Everyone profits from the welfare of the dairy industry. As milk turns a profit for producer, processor and all others handling it, that profit goes to purchase things other folks sell.

President Dwight D. Eisenhower recognizes that "The American dairy industry is one of the Nation's greatest resources. Its very nature

directly relates the welfare of the industry with the welfare of the whole people."

Said he: "This Administration will co-operate wholeheartedly with dairy farmers and leaders of the dairy industry in working toward solutions of all their basic problems, so the industry may make an even more substantial contribution to the health of the American people."

"There is manifest need for the industry to find larger markets. This is the central issue your industry faces as we observe June Dairy Month 1953."

Eat More Beef

BEEF PRODUCERS get a break, to this extent at least. An "eat more beef" campaign is being undertaken by the Department of Agriculture, slaughterers, meat packers and livestock producers. This means all agencies concerned with the product beef will be intensifying their efforts, focusing them on the one point that needs attention most—marketing. This is in line with recommendations of the Livestock Industry Committee, meeting in Washington some weeks ago, which urged facts about the abundant beef supply be brought to the attention of the public. Kansas State College reports the rapid build-up in beef cattle numbers during the last 3 years put total at all-time high of 56.8 million head.

There is a good talking point to interest more customers in buying more beef. The Extension division of the college reports that on the basis of daily recommended allowances for a moderately active adult, a 4-ounce serving of beef provides 24 per cent of the protein, 14 per cent of the calories, 14 per cent of the phosphorus, 25 per cent of the iron, 6 per cent of the vitamin A, 36 per cent of the thiamine, 16 per cent of the riboflavin and 38 per cent of the niacin.

"Beef is a concentrated source of high-quality protein supplying the essential amino acids. These acids are necessary for building and repairing muscle tissue and blood. They also help build resistance to infections and supplement incomplete proteins from other sources. Phosphorus, iron and copper are three important minerals supplied by beef. Beef is almost completely, 96 to 98 per cent, digested and utilized by the body."

Another "Plane" Job

YOU HAVE read a good deal about our Kansas flying farmers. It is now estimated there are more than 10,000 planes owned by farmers and ranchers thruout the U. S. About half are equipped to do dusting and spraying. One authority estimates that in 8 hours, an air-borne farmhand can plant, fertilize or spread insecticides on 1,500 acres. In Kansas he will be using petroleum from under the ground not only to operate his plane, but also as a vital ingredient in certain fertilizers and insecticides.

Probably some Kansas flying farmer will go this one better. But here seems to be a new use for an airplane. A crop-dusting plane in Ohio became an aerial snow plow. It spread crystallized salt on a highway and caused snow and ice to thaw. Out here, anyway, we wouldn't want much "wind-drift" from that one.

No Taxes Paid Here

WHO IS THE largest landowner in the United States? Maybe you have guessed the answer. It is Uncle Sam. Our National Government owns almost one fourth of all land in this country, or more than 455 million acres. The U. S. Chamber of Commerce dug out these figures. That acreage is an area equal to the New England States,



"Schoolboy's definition of the word, spine: a long, limber bone. Your head sits on one end and you sit on the other."

"Laughter is the music of the soul. Dreaming is hitching your wagon to a star. Being friendly is the road to happiness. Reading is the foundation of wisdom."

"College is an institution which has room for 3,000 in classrooms and 50,000 out in the stadium."

"You've heard of the 10-day diet, 18-day diet, and 30-day diet. Best one of all is the 3-word diet: No more, thanks!"

"When asked to what he attributed his long life, the old-timer thought a while then said, I don't rightly know yet, as I'm still dickering with 2 breakfast food companies."

"Neon sign in front of a used car lot: Old Salesmen Never Die, They Just Trade Away."

New York, Pennsylvania, Delaware, New Jersey, Maryland and the District of Columbia.

Some of the Western states are largely owned by the National Government. The U. S. owns 87 per cent of all the land in Nevada. A good portion of the government land is timberland—some 91 million acres, or about 40 per cent of this country's commercial standing timber.

The U. S. Chamber suggests a study be made of the Government's real estate holdings to determine just what property is best suited for private ownership. The idea is that property which can best serve the public interest thru private ownership should be offered for sale. The land then could be put on tax rolls and placed in productive use by private owners. No taxes are now paid on that land, you know.

Unanswered Questions

RAISING BROILERS may become a scientific business some of these days. But a lot of questions must be cleared up first, if agricultural engineers know what they are talking about. Even the housing problem remains largely unexplored, we are told. No one can tell a grower exactly how much moisture a normal, healthy, growing chicken gives off at different weights. When we remember such moisture would vary with diet and the health of the bird, we can begin to see why there is such a thing as the broiler housing problem, the engineers report.

There is lack of agreement on best width for the broiler house, direction it should face, amount of window space necessary, where openings should be placed for windows, how much insulation and ventilation are necessary.

Well, broiler production is reported to be a 700-million-dollar industry, using some 250 million square feet of floor area, so is worth digging for answers that will help solve such problems.



Results of 1952-53 Feeding Tests Explained at Livestock Day at K. S. C.

HIGHLIGHT of Livestock Feeders' Day, May 2, at Kansas State College, was a presentation to the college of a portrait of Dr. A. D. Weber, dean of the school of agriculture and one of the world's outstanding authorities on animal nutrition.

Presentation of the portrait was made by Dr. M. L. Baker, of Nebraska University, president of the American Society of Animal Production.

Here is a summary of reports made on animal husbandry research conducted in 1952-53 at the college:

In an experiment on wintering calves 2 pounds of corn and 1 pound of soybean oil meal produced larger and cheaper gains than 3 pounds of a special supplement. Corn and soybean meal produced 1.72 pounds of gain daily at \$14.67 a

of soybean pellets produced 0.69 pounds of gain daily. Steer calves wintered in dry lot on prairie hay and 1 pound of soybean pellets gained 1.17 pounds.

Heifers wintered on brome pasture didn't do as well as those wintered on dry bluestem pasture or in dry lot in a program of wintering, grazing and fattening for fall market. Those wintered inside lots made more money (\$6.09) per head than those wintered on bluestem.

Non-burned pastures produced 242 pounds of gain per head on yearling steers for the season; early spring burned (February 26 to March 24), 237 pounds; medium spring burned (April 7 to 13), 266 pounds; late spring burned (April 26 to May 2), 257 pounds.

Yearling steers on bluestem pastures stocked at normal rate (3.3 to 4 acres per head), gained 236 pounds for season. Steers on an overstocked pasture (2.2 to 3 acres per head), gained 237 pounds; on understocked pasture (5 to 6 acres per head), 244 pounds; and on deferred pastures (3.3 to 3.6 acres per head), 212 pounds per head for the season.

For the 3-year period, 1948 to 1951, 1½ to 2 pounds of soybean pellets fed per head daily to yearling steers on dry bluestem pasture produced 249 pounds of gain per head by mid-July; 3 to 4 pounds of soybean pellets fed per head every other day produced 244 pounds of gain; 6.8 pounds of alfalfa hay fed daily resulted in 219 pounds of gain.

For the 3-year period, 1949 to 1952,

2 pounds of soybean pellets daily resulted in 221 pounds of gain for the winter and early summer combined; 4 pounds of pellets fed every other day resulted in 219 pounds gain and self-fed soybean oil meal and salt produced 196 pounds of gain per steer.

In a study of different ratios of roughage to concentrates for fattening steer calves it was disclosed more grain was required per 100 pounds of gain as the concentrate part of the ration was increased. A high roughage ration produced satisfactory gains, but animals lacked finish and did not grade as high.

Develop Breeding Techniques

Purebred Shorthorn breeding studies are now in their 4th year. Individual performance data is maintained on all experimental animals to determine feasibility of and effects of inbreeding, and to develop breeding techniques useful to cattle breeders. The Wernacre Premier inbred line has been established and has progressed to the second generation of inbreeding. First inbred calves in the Mercury line will be produced in 1953.

Results of a comparison of antibiotics implanted under the skin and fed in the ration of fattening pigs indicate implanting certain antibiotics may be advantageous, but considerably more work should be done before recommendations can be given.

Three experiments were conducted with growing pigs to determine some of the practical applications of antibiotic feeding with aureomycin-B₁₂ supplement. Results indicate pigs fed an antibiotic gained faster; feeding an antibiotic gave better results when fed to pigs in dry lot than on pasture; beneficial effect of antibiotic feeding was

How Do You Rate As a Parent?

This is the title of a little leaflet written by Mrs. Vivian Briggs of the Kansas State College Extension Service. It stimulates thought and aids you in determining your rating as a parent. For your copy send 3c to Home Service Editor, *Kansas Farmer*, Topeka, Kan.

more apparent when the younger pigs were given the antibiotic; mixing the antibiotic in the protein supplement and self-feeding it free choice with corn is an effective way to feed it to pigs; the amount of Aureofac (B₁₂ supplement-aureomycin) to a ton of protein supplement giving best results is about 30 pounds.

Benefits of Antibiotics

Benefits were more marked when antibiotic was fed to pigs receiving a plant protein supplement as compared with a mixed protein supplement containing an animal source of protein; the chief advantage of aureomycin in these experiments was the increased rate of gain of pigs, rather than any marked improvement in reducing cost of gains.

Duroc sows crossed to a Beltsville No. 1 boar had a better farrowing record than Duroc sows mated to a boar of their own breed. They farrowed more pigs, had stronger litters, had fewer dead, and were weaned at larger weights than the purebred pigs. However, when pigs were placed in separate lots and fed to market, their response to feed and gains were about same.

Slightly larger gains were made by feeder lambs receiving steam rolled milo than those made by lambs receiving either whole or ground milo in 1952-53 test. While lambs on rolled milo ate a little more roughage, they still produced their gains at a slightly lower cost than the other 2 groups. Differences were small and may be due entirely to chance. This and other experiments on lambs were reported in *Kansas Farmer*, April 4.

New Sheep Tests Told

Here are 2 sheep experiments not previously reported, however. Columina crossbred ewes representing the northwestern whiteface crossbred types, sheared more wool than either the fine wool ewes or the northwestern blackface crossbred ewes in the first year of tests comparing different types of commercial ewes for Kansas. The Rambouillet, or fine wool ewes, however, bred earlier than the other 2 types and had heavier lambs on April 8.

In the first year of a test comparing lambs produced by Hampshire, Suffolk, Southdown and Shropshire rams when mated to the 3 types of western ewes, Hampshire and Suffolk sired lambs had the heaviest birth weights, followed by Shropshire sired lambs. Southdown sired lambs were lightest at birth. On April 8 average weights of the different groups of lambs sired by different breeds of rams follow: Hampshire, 60.3; Suffolk, 58.2; Southdown, 53.6; and Shropshire, 40.5. Several years' results must be considered before any conclusions should be drawn.

Thank You

May I add that we enjoy *Kansas Farmer* very much.—Mrs. A. D. H.

hundredweight, compared with 1.69 pounds gain at a cost of \$16.63 per hundredweight for the special supplement. The special supplement consisted of soybean oil meal, 2.25 pounds; molasses, 0.50 pounds; steamed bone meal, 0.18 pounds; salt, 0.06 pounds; vitamin supplement, 0.01 pound (2,250 A and 400 D per gram). Atlas sorghum silage was fed in amounts heifers would clean up. Salt and mixture of steamed bone meal and salt were fed free choice.

Heifer calves wintered on prairie hay and 5 pounds of concentrates daily, gained 1.60 pounds daily as compared to 1.43 pounds daily for heifers wintered on corn cobs and 5 pounds of concentrates. Feed cost per 100 pounds of gain for prairie hay plus concentrates was \$18.25; for corn cob heifers, \$19.68. Prairie hay lots got concentrate consisting of 1.25 pounds soybean oil meal and 3.65 pounds of corn. Corn cob lots got 1.90 pounds of vitamin-A enriched soybean oil meal and 3 pounds of corn.

No Supplemental Feeds

Alfalfa silage put up without a preservative proved definitely inferior to alfalfa hay for wintering heifer calves. No supplemental feeds were fed. Heifer calves getting alfalfa hay gained 1.24 pounds daily; those wilted alfalfa silage, 0.10 pound; non-wilted, 0.12 pound.

A 3-year study on wintering steer calves that are to be summer grazed on bluestem pasture and sold off grass showed where grass was supplemented with 2 pounds of soybean pellets daily, the steer calves gained 376 pounds for the winter and summer combined. They gained about the same and made about the same returns as calves wintered inside on prairie hay and 1 pound of soybean pellets. Feeding 2 to 4 pounds of grain per head daily during the wintering period in addition to prairie hay and protein did not increase gains enough over the winter and summer period combined to justify its use.

Steer calves wintered on dry bluestem pasture supplemented with 2 pounds of soybean pellets daily gained 0.90 pounds daily; 1 pound of soybean pellets produced 0.58 pounds of gain daily; and 1 pound of corn plus 1 pound

Name 1953 Winners of Leadership Honors in Kansas 4-H Club Work

THESE 4 OUTSTANDING Kansas 4-H Club members will attend the annual National 4-H Club Camp in Washington, D. C., June 17 to 24, as state

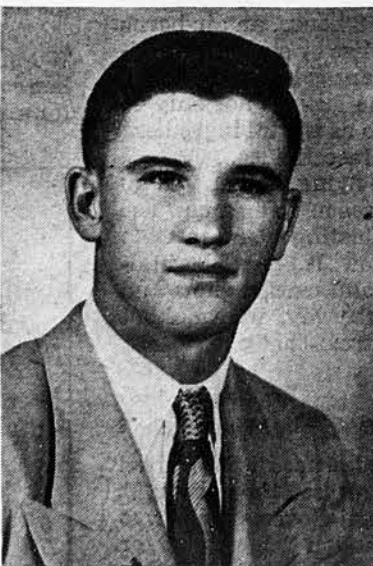
junior leadership champion. A detailed story on their club activities appeared in May 2, 1953, *Kansas Farmer*. This award is top honor for junior leaders.



RUTH STINSON
Franklin County



LUANNE HICKS
Sherman County



JACK SEXTON
Dickinson County



TOM SHINN
Sedgwick County

112 Easy Ways To Chase Dirt

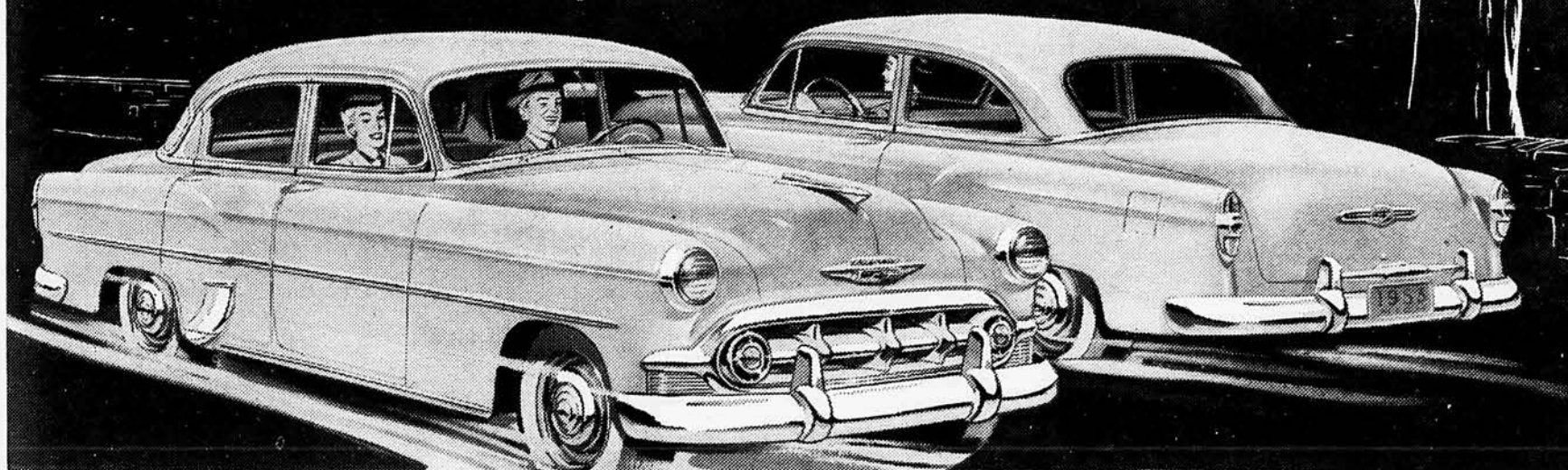
That's the name of a new booklet which has just arrived. It covers everything in the way of washing with soap . . . from floors to lampshades, slip covers and draperies. It goes into detail on stain removal. We will send you this booklet for the cost of mailing, 3 cents. Write to the Home Service Editor, *Kansas Farmer*, Topeka, Kan.

Thank You

Dear Editor: We and many others enjoy *Kansas Farmer*—all departments. . . continuation of our Mail and Breeze is truly a *Kansas Farmer*. Also, a great paper for us rural people, so many good departments. We enjoyed all of Mr. Payne's series of articles on plants. We wish he could get them all printed in a small paper-back cover or I say, a pamphlet, copyrighted so we farmer folks could buy them. I always share my paper with others.—Sincerely, Mrs. Marvin Bays, Labette county.

Again...

*Chevrolet is
lowest priced!*



Above: The "Two-Ten" 4-door sedan. At right: The "One-Fifty" 2-door sedan, two of 16 beautiful models in 3 great new series.

It brings you more new features, more fine-car advantages, more real quality for your money . . . and it's America's lowest-priced full-size car!

Farther ahead than ever in quality . . . yet the *lowest-priced* full-size car in America . . . with sharply greater economy of operation! That's the story of this sensational new Chevrolet for 1953—and a wonderful story it is!

Imagine—the most *beautiful* car in its field, with new Fashion-First Bodies by Fisher. And the most *powerful* car in its field, with your choice of a new 115-h.p. "Blue-Flame" high-compression engine* or a greatly improved 108-h.p. "Thrift-King" high-compression engine. And both of these

great valve-in-head engines bring you even more miles per gallon of gas than the thrifty Chevrolets of the past.

Yet, with all these new and exclusive advantages, Chevrolet remains the *lowest-priced* line in its field!

Yes, indeed, only Chevrolet gives such excellence with such economy. Come in and prove it at your earliest convenience! Chevrolet Division of General Motors, Detroit 2, Michigan.

*Combination of Powerglide Automatic Transmission and "Blue-Flame" engine optional on "Two-Ten" and Bel Air models at extra cost. (Continuation of standard equipment and trim illustrated is dependent on availability of material.)



Entirely NEW through and through!

New Fashion-First Bodies by Fisher . . . new 115-h.p. "Blue-Flame" engine in Powerglide* models . . . highly improved 108-h.p. "Thrift-King" engine in gearshift models . . . entirely new economy with important savings in gasoline and upkeep . . . entirely new Power-

glide* with faster getaway, more miles per gallon of gas . . . new Power Steering on all models (optional at extra cost) . . . The softer, smoother Knee-Action Ride . . . more weight—more stability—more road-steadiness . . . largest brakes in the low-price field . . . Safety Plate Glass in windshield and all windows of sedans and coupes . . . E-Z-Eye Plate Glass (optional at extra cost).

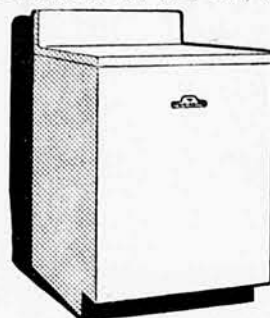
MORE PEOPLE BUY CHEVROLETS THAN ANY OTHER CAR!

NOW! PIPING HOT WATER *Automatically!*



FRIGIDAIRE Electric Water Heaters

Now—all the hot water you want all the time—for just pennies a day! No work, worry, fuel, flues, dirt, soot or wasted heat! Completely submerged heating units heat only water—can't waste heat. Upright models available in 32, 40, 52, 64 and 80-gallon sizes, 10-Year Protection Plan.



32-gallon size
Only
\$115⁷⁵
EASY TERMS

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Table-top models available in 30 and 40-gallon sizes. Also, magnesium rod models for corrosive water areas.

Exclusive Radiantube Heating Unit is efficient and economical. Special design prevents scaling.



See Frigidaire Appliances At Any Of These Quality Dealers

ARILENE Shockey & Landes	ELKHART Ellis Motor Service	LEBANON Lebanon Electric	PLAINVILLE Mosher Bros.
ALMA Hasenbank & LaMar	ELLIS O'Loughlin Motor Co.	LEHIGH Burkholder Lbr. Co.	PRAIRIE VIEW Prinsen Bros. Hdwe.
ALTAMONT Holmes Hdwe. Co.	ELLSWORTH Mills Furniture Store	LENORA Eldridge Electrical Co.	PRATT Link Electric
ANTHONY Wood Music Co.	EMPORIA Litke-Stephens Furniture Co.	LEON Losh Motor Co.	PRETTY PRAIRIE General Appliance Co.
ARGONIA Horton Furniture Co.	ENKRDIDGE Willard Sales & Serv.	LEOTI Western Hdwe. & Sup.	QUINTER Quinter Appl. Store
ARKANSAS CITY Wright-Burton Hdwe.	EUREKA Donnelly's Radio Electric Service	LIBERAL Hettie Appliance	RILEY Meyer Mercantile
ARLINGTON Fay's Sundries & Appl.	FALL RIVER Fall River Impl. Co.	LINCOLN B. G. Hall	RUSSELL Delnes Bros.
ASHLAND Grimes Appliance Co.	FLORENCE Roberts Machinery Co.	LINCOLNVILLE Burkholder Lbr. Co.	ST. FRANCIS Roel's Electric
ATTICA K. R. Anthony Furn.	FORT SCOTT Darling & Maguire Sales Co.	LINDSBORG Billings Refrigeration & Elec. Appl.	ST. JOHN Abrahamson Electric
AUGUSTA Coleman Gas Serv. Co.	FRANKFORD Lauer Electric Shop	LITTLE RIVER Hodgeson Impl. & Hdwe.	ST. MARYS Youngkamps Furn.
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BAXTER SPRINGS Milo Chew Drug Co.	FURLEY Boyd Implement Co.	LYONS Deardorff Furn. Co.	SATANTA Decker's
BELLE PLAINE Foster Refrig. & Appl.	GARDEN CITY Mayo's	MACKSVILLE Brenbach Appl.	SCARCE Sarnborn Lumber Co.
BELLEVIEW Fitch & Barth, Inc.	GLASCO R. W. Cramer Hdwe.	MADISON Schottler's, Inc.	SCOTT CITY Bryans, Inc.
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BUCKLIN Day Hardware Co.	HALSTEAD Mantele's Dept. Store	MADEIRA C. F. Worman Elec.	STAFFORD Peacock & Solce
BUHLER Kim, Elliott & Gard	HANOVER Leutloff Appliance & Electric Co.	MEDICINE LODGE Dickey Appl. Co.	STERLING K-T Oil Station
BURDEN Lewis Chevrolet Co.	HARPER Jess Hamilton	MENTOR Johnson's Hardware	STOCKTON Quenzer Appl. Co.
BURNS Lyons Supply Co.	HAYS Hays Music Co.	MILTONVALE Phelps Furn. Store	SYLVAN GROVE F. A. Gatewood & Sons
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CAWKER CITY Riley-Rhoades Ap. Co.	HOLSHORN Geiman Appl. Co.	MOUNT HOPE Johnsmeier's	TURON Turon Electrical Sup.
CEDAR VALE Williams Motor Co.	HOLYROOD Westmacott Hdwe. Co.	MULTIPLY Lentz & Rodey Electric Co.	ULYSSES Ulysses Hardware
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FARM WATER systems are the main topic for conversation this month, a subject many are acknowledging to be of vast importance to rural Kansas. Strange as it may seem, even the state has neared the saturation in farms receiving electricity, about two thirds of the farms still pump and carry water. Labor and time involved in this could conceivably be put to greater production of food and fiber, as some authorities put it, and that also means greater individual profit.

One survey showed it would be possible to spend as much as 773 hours each year pumping and carrying water by hand for the annual needs of a single farm. In other words, a person could start tomorrow and carry water 8 hours each day for the next 3 months to store up a year's supply of water.

It is generally agreed a typical farm family will use 50 tons of water per year for cooking, drinking, cleaning, laundry and baths. Suppose you had to carry that much weight around 2 gallons at a time. That would mean lifting an ordinary bucketful more than 6,000 times just to provide your home water needs. Each person in a family requires 50 gallons of water per day to maintain normal health standards.

Of course, one big advantage in a water system lies in fire protection. Automatic pressure puts water to work when it is needed to drown a budding conflagration. Writers of fire insurance offer better rates when such security measures have been taken.

Naturally, convenience is a big attraction, too. Commanding water to run by a mere twist of the wrist is no longer a luxury for the few. The same simple twisting motion may produce hot water when needed. And when there is a constant hot water supply, the other household conveniences such as automatic clothes washers and dishwashers can be put to work.

Hot water when it is needed also is a necessity in a dairy operation. Grade "A" cleanliness demands a constant supply, in all, about 75 gallons per day of hot and cold water for each cow. Just for drinking purposes, a typical dairy cow, we hear, will consume 100 times her weight or the equivalent of the capacity of a railroad tank car. After all, milk is 87 per cent water.

If the operation includes hogs, water needed to bring an animal to market averages out at 144 gallons. Another way of looking at it reveals 550 pounds of water are required to produce 100 pounds of pork. With a plentiful supply of water there is maximum profit from the feed investment.

Going a step farther, a mature steer needs as much as 12 gallons of water per day. A flock of 100 chickens will drink about half that much (eggs are

65 per cent water—about one pint per dozen). Then, too, there is the advantage of having automatic stock and poultry waterers for all-year use with water systems.

So to sum it all up, an electric water system is a time-saver, a protection and a profit maker. Returns are in health, greater production and convenience. Cost of operation is not large because a single kilowatt hour of electricity will pump enough water for 200 hens for 3 months or 30 hogs for 15 days. At prevailing rates over Kansas, the cost per kilowatt hour is somewhere in the neighborhood of 2 cents.

We have heard of a machine that uses a hot water supply in specialized work for a poultry raiser. It is a scalding machine that prepares the birds for easier picking. By controlling the water temperature and regulating scalding time according to kind and age of the birds, carcasses are readied for the picker on an assembly line.

There is something new to replace the one-shot fuses that protect your electric circuits. Nowadays, installations are using automatic circuit breakers that utilize the same sockets as the fuses. When a circuit is overloaded the new device trips and shuts off the power. To put the lights back on, one simply presses a reset button.

Your electric mixer now may be used to sharpen knives. A grinder attachment that fits all mixers now is being marketed by a Chicago concern.

As we have said before, paint can be removed with the help of electricity. Newest device in this line is claimed to have removed 43 coats of paint in a single stroke.

Earlier in this article we remarked about automatic home laundries. Big news in that field tells of a machine now that washes and dries in one continuous automatic operation, or it may either wash or dry, if that is preferred.

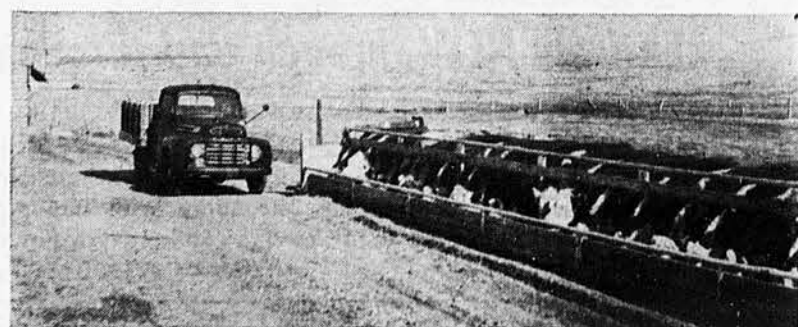
Three dials regulate the cycle. One regulates the washing operation; the second regulates the water temperature; the third dial selects the drying time.

Other manufacturers make washers and dryers as companion pieces. If this is preferable, the two can be installed side by side in a minimum of space and requiring no steps to transfer the washed clothes.

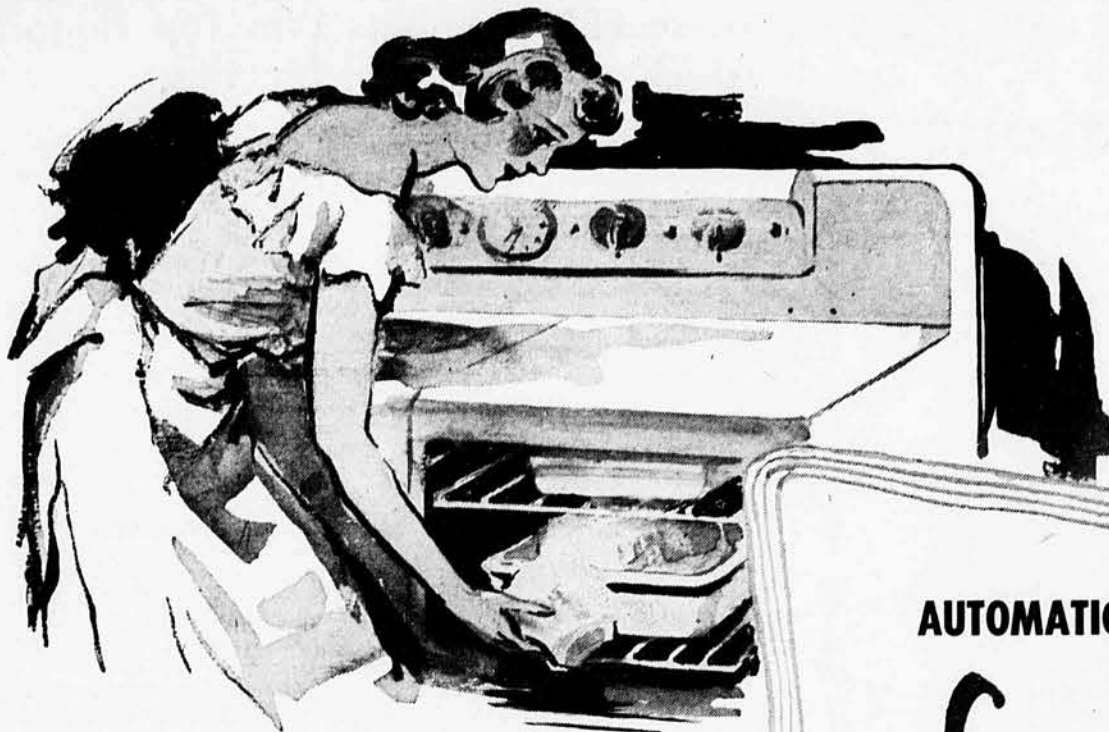
Four Win Scholarships

Announcement is made of first winners of four \$200 college scholarships by the W. W. Virtue Company. They are Alma Jean Klahr, Netawaka; Dean Newman, Holton; Naomi Stadel, Pratt, and Jeanine Ellwood, Conway. The four were chosen for outstanding records in leadership, good citizenship and community service.

WHERE FEED BUNKS SAVE TIME



BY PUTTING feed bunks in fence lines, Carl A. Meitler, Lincoln county, saves time and can stay out of mud while feeding his cattle. Cattle have a concrete feeding floor on their side of fence.



It's difficult to pick the electric appliance most welcome to the farm home. Certainly high on the list will be Mother's electric range and the family's electric water heater.

Simplicity is the keynote to modern electric cooking. Meals may be prepared in advance, put in the oven and left to cook without attention. This makes the big job of getting meals easier and more pleasant with plenty of spare time to relax or help with the chores.

Hot water on hand at any time helps every member of the farm family. And what a help to Mother who needs 88 gallons of hot water each week to do the average family wash! Plenty of hot water at the turn of the faucet gives her spare time to spend profitably on other things.

If your farm home doesn't have these two farm favorites, stop in at your electric appliance dealer. He will be glad to tell you about the many other advantages of safe, flameless electric cooking and water heating.



**ELECTRIC SERVICE
IS STILL THE LOWEST
ITEM IN YOUR
FAMILY BUDGET.**

Yes, Electricity is cheap in Kansas, despite the fact that the cost of materials, manpower and equipment that go into making good electric service have skyrocketed along with the cost of living.

ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

Central Kansas Power Company

Western Light & Telephone Company

The Kansas Power and Light Company

Kansas Gas and Electric Company

Kansas City Power & Light Company



AUTOMATIC ELECTRIC RANGE

*farm
family
favorites*
ELECTRIC WATER HEATER



8 good reasons for choosing this new-type vaccine!



- 1 Immunity—7 days following vaccination, although satisfactory protection may occur in 4 days.
- 2 Effective protection for at least two years.
- 3 Vaccination at 6 weeks of age, weaned or not.
- 4 No "seeding" of the soil.
- 5 Unvaccinated pigs not endangered by contact with vaccinated animals.
- 6 No special feeding care necessary.
- 7 Requires no serum, but may be used simultaneously with serum on animals which may be exposed to hog cholera.
- 8 One-injection protection—economical and easy to use.

Do what thousands of other hog raisers are doing to guard against hog cholera: Vaccinate all pigs routinely with ROVAC Hog Cholera Vaccine. ROVAC gives long-lasting immunity—and the cost is small compared to the dollar losses you might sustain if an outbreak occurred. Consult your veterinarian for best management practices and disease control procedures.

SULMET Sulfamethazine Lederle

SULMET* Sulfamethazine Lederle. This all-purpose sulfa drug is highly effective against many diseases of farm animals: Shipping Fever (hemorrhagic septicemia), Foot Rot, Calf Diphtheria, Metritis, Acute Mastitis, Calf Scour, Bacillary Enteritis, other bacterial diseases and Coccidiosis. It is also effective against Acute Fowl Cholera, Coccidiosis, Pullorum Disease and Coryza in poultry. When any of these diseases strikes, prompt use of fast-acting SULMET cuts losses, shortens sickness periods, avoids weight losses and stunting.

Free literature gladly sent upon request.

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**U. S. Pat. No. 2,518,978

LEDERLE LABORATORIES DIVISION
30 Rockefeller Plaza *AMERICAN Cyanamid COMPANY* New York 20, N. Y.

These FFA Members Win Top Honors At Two-Day Annual Meeting

By HELEN ANKENY

I WISH I HAD 100 boys just like him in my class. He's a dandy."

The speaker was Clem H. Young, Vocational Agriculture instructor and FFA advisor at Cherryvale. He was talking about Roger Adamson just named top winner in the state FFA public speaking contest at the silver anniversary meeting of Kansas Association of Future Farmers of America, April 27 and 28, at Kansas State College, Manhattan.

Adamson, about 5 foot 3 inches tall, packs plenty of punch. He won first place in public speaking, also chalked up enough points to make him top-flight individual in all judging in the 30th annual state high school Vocational Agriculture and farm mechanics contest, held in conjunction with the state FFA meeting. In the race for state judging honors were 417 boys judging in 4 divisions, poultry, animal husbandry, dairy, and crops.

Adamson had to keep the public speaking judges waiting an hour while he rounded out 2 days of competitive grilling work as a member of the Cherryvale judging team.

The team composed of Adamson, Robert McClaren and John Townsell, and coached by Young, did all right for the home town, too. Competing against 139 of the state's best FFA judging teams, the Cherryvale 3 scored highest number of points in all judging to name them best in the state.

Adamson made a perfect score in state poultry judging, first time in FFA history this has happened!

Sharing top honors as high individual in all 7 areas of the farm mechanics contest was Donald Rosenow, of the Clay Center FFA Chapter.

With his brother, Darrell Rosenow, as the other member of the Clay County Community High School farm mechanics team, the 2 Rosenow boys won first-place honors in all farm mechanics contests, for their coach, Ray Morrison, and their school.

This highly-skilled team also played a big part in winning the highly-prized Agriculture Education plaque for their chapter. The plaque is awarded annually by KSC Agriculture Education club to the state's chapter scoring most points in all 15 areas of competitive events in judging, farm mechanics, and FFA activities.

Morrison's Future Farmers are perennial winners, can be counted on for stiff competition in any area. Last year Morrison had the state's top team in all judging, and in 1951 won the Agriculture Education plaque.

Clay Center also has the retiring state FFA president, Billy Ray James. Nelson D. Galle, of Moundridge FFA, was choice of more than 7,000 Future

Farmers in Kansas to head their state association the coming year. Other state officers elected: Gilmore M. Dahl, Effingham, vice-president; Ray Zimmerman, Olathe, secretary; Bob Watkins, Alma, treasurer; Sam Peppiatt, Ellsworth, reporter; and Francis Grillo, Parsons, sentinel.

Second-place winner in public speaking contest was Gilmore Dahl, Effingham; Ned Arthur, Newton, 3rd; and Bill Williams, Ft. Scott, 4th.

Second high team in all judging was Chanute FFA, C. O. Carter, coach. Chanute had high team in 1952.

Other gold emblem teams in all judging and their coaches were: Newton, R. N. Karns; Quinter, Ormond Breeden; Frankfort, Harold Frank; Clay Center, Ray Morrison; and Bazine, Edward F. Brenner.

Gold emblem individuals in all judging besides Roger Adamson were: Clayton Kaufman, Newton; Boyd Tuttle, Quinter; Gerald Schwein, Bazine; Gilmore Dahl, Effingham; Mervin Snowden, Chanute; and Dean Strack, Chanute.

Teams and their coaches in the gold emblem divisions in all farm mechanics besides Clay Center were: McCune, Ralph Utermohlen; Chanute, Charles

Thank You

We take *Kansas Farmer* and really enjoy reading it. We have only taken this magazine 2 months.—Mrs. G. S.

O. Carter; Neodesha, Wayne Coltrane; Smith Center, Charles Mantz; Moundridge, Richard Ramsdale; Palco, Ben Schweitzer; Fredonia, Harold Shoaf; Kincaid, Sam Harris; and Ottawa, S. S. Bergsma.

Gold emblem individuals in all farm mechanics in addition to the Rosenow brothers were: Dale Johnson, Neodesha; Roy Graham, Chanute; Marvin Johnston, McCune; Clyde Sprague, Kincaid; Joe Daniels, Smith Center; Dale Shenefelt, McCune; Loy Reinhardt, Chanute; Jerry Fink, Fredonia; Verne Goering, Moundridge; Therean Towns, Palco; Lloyd Mills, Hoxie; Darrell Claussen, Spearville; Kent Sampson, Holton; Nelson Galle, Moundridge; Donnie Harrison, Peabody; James Witham, Ottawa; Mason May, Smith Center; and Marvin Bartel, Hillsboro.

Gold emblem teams and coaches in poultry: Cherryvale, C. H. Young; Chanute, Charles O. Carter, Jr.; Stockton, Floyd A. Blauer; Clay Center, Ray Morrison; Emporia, Emory Groves;

(Continued on Page 14)

I WONDER HOW THAT STARTED . . .

"When in Rome do as the Romans do"

This well-known saying goes back to Italy, to church customs of St. Austin's time. Saturday was a fast day in Rome but in Milan was a feast day. St. Austin was to visit both cities so his mother advised him to seek advice of St. Ambrose, who had been to both cities and knew their customs. According to an old story, Ambrose told Austin, "When I am in Rome, I fast as the Romans do; when I am at Milan, I do not fast." So he advised Austin to observe custom of the place so as to give no offense nor take no offense either.

(EDITOR'S NOTE: What's your favorite saying? Send it in, we'll try to find its origin, and tell you about it in this box. R. M. Purvis, Ruleton, asked us about this saying appearing above.—R. H. G.)



Block Out Grain Insects

(Continued from Page 6)

To prevent stored grain insects from becoming a problem in the new crop of wheat, it is necessary to apply control measures and get the control measures applied at the right time.

Control Measures

Source of infestation for the new crop of wheat is on the farmstead now. After harvest condition in Kansas, the evil problem does not originate in field. The small insects move into grain bin in July from cracks of walls or accumulations of waste grain in other farm buildings. All bins and storage areas should be thoroughly cleaned and grain fed to livestock at least one month before wheat harvest. Stacks of grain which are carried over winter should be fumigated before next time if they are infested with stored-grain insects.

Sprays

Bins and other areas where grain has been stored should be sprayed before new grain is harvested. Spraying empty bins can be a part of the fly-control program using power equipment or the spray can be applied with equipment used in the garden. Methoxychlor, Lindane, DDT, TDE, Dieldrin or Allethrin sprays can be used as the residual spray. Spraying bin at least a month before harvest will give best results. Reports of poor control with bin sprays usually are due to late application of the material. The label of the insecticide container tells what formulation should be mixed for bin spraying.

Protectant

If wheat protectant is added to the grain as it comes from the field it will be protected from stored-grain insects from wheat harvest time thru the first winter. The protectant is added in the field and mixed with the grain as it is harvested, shoveled or elevated into the bin. The protectant will not protect grain which is already infested.

Fumigation

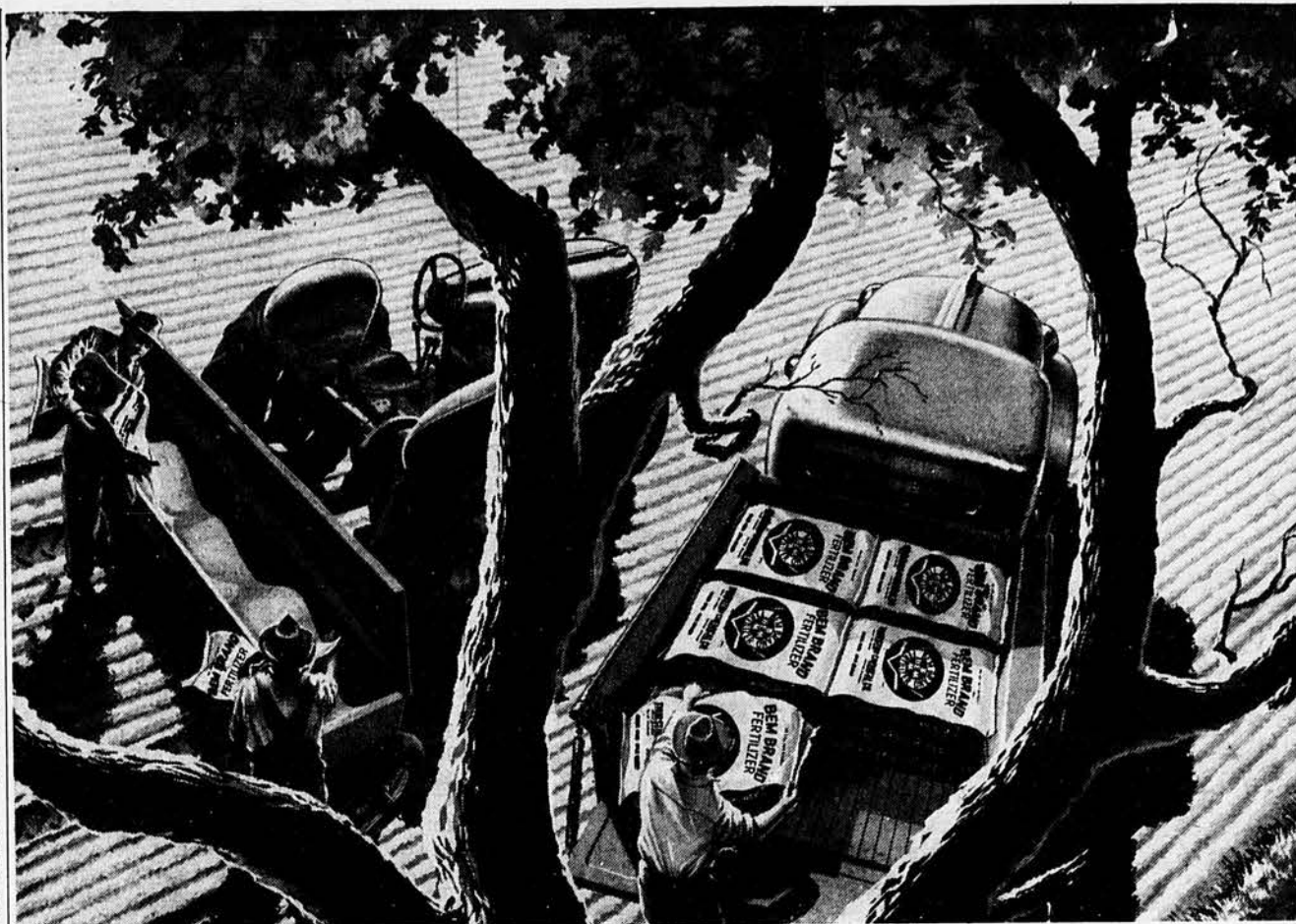
Stored grain insects in the bin of wheat can be destroyed by fumigation. August or September is the best time to fumigate grain which becomes infested after the July harvest. A complete kill by fumigation depends upon applying fumigant evenly over surface of grain. Surface grain should be leveled and should not be as high as the top of bin walls. Applying too little fumigant will result in poor control. Fumigant applicator should stay outside bin while applying fumigant. A garden sprayer with an enlarged nozzle will apply the fumigant to all parts of average-size bin while operator stays in open air.

Rodent Control

Control of rats and mice with cereal grain is a difficult task if rodents have easy access to wheat in bins and hiding places nearby. Place boards on racks and remove accumulation of trash around the farmstead to cut out hiding places. Repair rat holes with metal or hardware cloth and keep baiting stations filled so rats can reach supply of poisoned bait.

Decorate a Cake

At last we have a booklet for which we have waited years. It's entitled, "Fashions in Frosting," published by Western Beet Sugar Producers. It includes frosting rules, recipes, how to frost a cake, cake decorations for all occasions, weddings, birthdays, anniversaries, children's cakes and many suggestions for other holiday cakes. There are pictures to help. Address Home Service Department, Kansas Farmer, Topeka, Kan., and enclose 3c to cover cost of mailing. Ask for "Fashions in Frosting."



Here comes **BEM** the bonus **BRAND!**

YOUR soil can starve for a lack of necessary elements. Even though these elements may be present in the soil, they may be in a form not available for plant use.

For example, there are about 35,000 tons of nitrogen in the air over every acre of ground you farm, but it is in a form *not available for plant use*. Your soil may also contain phosphate and potash, but due to soil fixation these elements may not be available for plant use. As a result, your crops suffer from a lack of these essential nutrients.

That's where BEM BRAND Fertilizer comes in. BEM

BRAND contains nitrogen, phosphorus and potash in available form for plant use, ready to go to work making bumper crops and more dollars of profit for you.

That's not all BEM BRAND does, either. It also supplies a full quota of secondary plant foods which your soil *must* have for top production. It's these secondary elements we're talking about when we say "More plant foods in the bag than appear on the tag". That's why we call BEM BRAND the *bonus* fertilizer.

Try BEM BRAND on your crops and pastures this year. You'll never make a better investment.

BEM BULLETIN BOARD

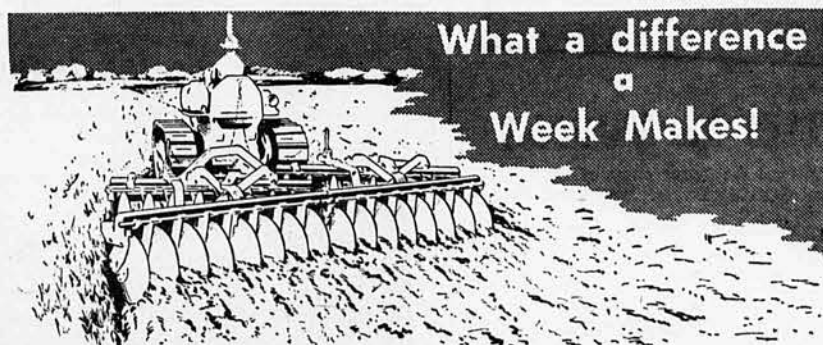
LISTEN TO —
"FARM PROFIT BUREAU" with **SAM SCHNEIDER**
12:45 P.M.-M.W.F. ON KV00, 1170 ON YOUR DIAL
"LIVESTOCK MARKET REPORT" with **BOB RILEY**
12:30 P.M.-M.W.F. ON KMBC-KFRM, 980-550 ON YOUR DIAL
"WEATHER SUMMARY"
7:45 A.M. ON KOAM, 860 ON YOUR DIAL

TEST YOUR SOIL
YOUR COUNTY AGENT CAN
TELL YOU WHAT GRADE OF
BEM BRAND IT NEEDS!

FREE
FERTILIZER
HANDBOOK
WRITE FARM SERVICE DEPT.
THURSTON CHEMICAL CO.
JOPLIN, MO.



THURSTON CHEMICAL CO.



What a difference
a
Week Makes!

Yes, when you have a short growing season, an extra week makes a real difference. Towner's new "A" Plow is designed to get you into the field earlier . . . to do your plowing faster, and at less cost.

Write today for your free copy of "Open Field Plowing."



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**The MOST
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Extra power for Farmall, John Deere, Allis-Chalmers, Case, Oliver, Massey-Harris, Ford, Ferguson, Minneapolis-Moline tractors. For complete facts write Dept. G8.



M & W GEAR CO., INC.
ANCHOR ILLINOIS



SO...GOOCH YOUR PULLETS FOR EARLY FALL PRODUCTION WITH GRAIN..RANGE..& GOOCH'S BEST GROWER

UP TO 50% MORE FOR EARLY FALL EGGS

Poultry specialists at the Illinois College of Agriculture tell us that early fall eggs can bring you from 35% to 50% more per dozen! And 1953 prospects are bright. See the chart below on Fall Egg Markets. Here are the reasons why it's so important to get your



pullets fully developed and into the laying house as early as possible.

Feed GOOCH'S BEST Grower to Balance Grain and Range!

With the outlook on fall egg prices so good you cannot afford to let your pullets loaf this summer. Grow them into real producers with the stamina to stand up under year around laying. GOOCH'S BEST Grower with your grain and range does the job economically. Only 7 lbs. of Grower are needed Per Pullet from 6 week old chick to laying size. And the first dozen eggs she lays will more than repay you for the GOOCH'S BEST she needs to develop into a big deep-bodied layer.

WHAT'S THE FALL EGG MARKET PICTURE?

1953 should be a highly profitable year for fall egg producers—based on present conditions and trends reported by U. S. authorities and leaders in the poultry industry. Here's why:

- (1) FEWER EARLY CHICKS mean fewer layers in production during September and October—with millions fewer eggs during these seasonally high egg price months;
- (2) EGG PRICES ARE HIGHER as compared to feed cost (actually 31% higher during February than a year earlier) and this favorable egg price ratio is expected to continue;
- (3) LOW EGG STORAGE STOCKS, now 40% below the 5-year average, must be rebuilt by heavy egg buying;
- (4) RECORD-HIGH CONSUMER DEMAND will continue strong.

Whether your chicks are early or late, keep your pullets on a sound growing program. GOOCH'S BEST Grower, grain and range will develop their bred-in laying capacity—make them ready for a full season of steady production.

Remember: GOOCH RED CIRCLES Are Valuable!

Collect and trade them for valuable merchandise! Get your copy of the latest GOOCH Red Circle Catalog from your GOOCH Dealer, and start saving for the items you want!

GOOCH FEED MILL CO.

Lincoln, Nebraska
Council Bluffs, Iowa



GOOCH'S

BEST

Salina, Kansas
Dalhart, Texas

These FFA Members Win Top Honors

(Continued from Page 12)

Altamont, Courtney Bennett; Effingham, Roy F. Eck; Bazine, Edward F. Brenner; Longford, Freeman E. Biery; Ft. Scott, Charles W. Smith; Newton, R. M. Karns.

Gold emblem individuals in poultry: Roger Adamson, Cherryvale; Ray Massner, Ft. Scott; Gilmore Dahl, Effingham; Dale Miksch, Altamont; Gerald Keating, Frankfort; Daryl Filbert, Bazine; Leonard Chamberlain, Emporia; David Mugler, Longford; Bill Brethouk, Clay Center; and Dean E. Bigge, Stockton.

Gold emblem teams and coaches in agronomy: Cherryvale, C. H. Young; Newton, R. M. Karns; Chanute, C. O. Carter, Jr.; Bazine, E. F. Brenner; Frankfort, H. E. Frank; Hill City, J. W. Lacey; Belleville, C. H. Beyer; Clay Center, Ray Morrison; El Dorado, William R. McMillan; and Independence, T. E. Stockebrand.

Gold emblem agronomy individuals: Roger Adamson, Cherryvale; Clayton Kaufman, Newton; Richard Miller, Newton; Mervin Snowden, Chanute; Robert McClaren, Cherryvale; Gerald Schwein, Bazine; Garold Burghart, Chanute; and Jerry Kennedy, Frankfort.

The gold emblem teams and coaches in dairy: Chanute, Charles O. Carter, Jr.; Quinter, Ormond Breeden; Claflin, Norman Terrill; Herington, Darrel Mounkes; Buhler, J. A. Johnson; Council Grove, W. John Wilson; Fredonia, Harold J. Shoaf; Frankfort, Harold Frank; Louisburg, William Whitenack; Pretty Prairie, Powell Heide; Longford, Freeman Biery; and St. Marys, Thomas W. Linville.

Gold emblem dairy individuals: Bobby Beck, Claflin; John Wilson, Council

Schwien, Bazine; Terry Turner, Waterville; Richard Frain, Minneapolis; James C. Pool, Wellsville; Arthur Godfrey, Louisburg; Don Lonker, Medicine Lodge; and Curtis Harvey, Hill City.

The following teams and coaches and individuals were gold emblem winners in the 7 areas of farm mechanics contests:

Arc welding teams and coaches were: Clay Center, Ray Morrison; Altamont, Jack Schell; Neodesha, Wayne Coltrain; Moundridge, Richard Ramsdale; McCune, Ralph Utermohlen; Hoxie, Frank Hutchinson; St. Mary's, Thomas W. Linville; Kincaid, Sam Harris; Chanute, Charles O. Carter; and Kingman, Virgil T. Lake.

Individuals: Donald Rosenow, Clay Center; Marvin Johnston, McCune; Clyde Sprague, Kincaid; Nelson Galle,

Lots of Water

It takes 5,000 gallons of water to produce a bushel of corn. It takes 1,300 gallons of water to produce a pound of beef. It takes 100 gallons of water to produce one pound of cotton.

Moundridge; Dale Johnson, Neodesha; Jim Bronson, Lyndon; Bob Fultz, Altamont; Roy Graham, Chanute; Vincent Dolecheck, Claflin; and Lloyd Mills, Hoxie.

Farm carpentry teams and coaches were: Clay Center, Ray Morrison; Chanute, Charles O. Carter; Moundridge, Richard Ramsdale; Bazine, Edward Brenner; Olathe, A. G. Jensen; Neodesha, Wayne Coltrain; Palco, Ben Schweitzer; Fredonia, Harold Shoaf; Ford, R. K. Marmon; and Hoxie, Frank Hutchinson.

Individuals: Darrell Rosenow and Donald Rosenow, Clay Center; Jerry Fink, Fredonia; Stanley Harris, Rose Hill; Dale Johnson, Neodesha; Clyde Sprague, Kincaid; Roy Graham, Chanute; Verne Goering, Moundridge; Lloyd Mills, Hoxie; Vyril McFadden, Bazine.

Tool sharpening teams and coaches were: Clay Center, Ray Morrison; Lyndon, Wayne R. Colle; Holton, Keith B. Wagoner; Powhattan, J. W. Crabtree; Hill City, John W. Lacey; Spearville, Bob Rethorst; Overbrook, F. E. Simmons; Partridge, Floyd Nighswonger; Silver Lake, Dean Prochaska; Moundridge, Richard Ramsdale.

Individuals: Kent Sampson, Holton; Jim Bronson, Lyndon; Darrell Rosenow, Clay Center; Norman Dodge, Overbrook; Bennett Anderson, Partridge; Marvin Bartel, Hillsboro; Verne Goering, Moundridge; Eldon Wuthnow, Hope; Donnie Harrison, Peabody; and Lawrence Neitling, Spearville.

Soil conservation teams and coaches: Chanute, Charles O. Carter; Clay Center, Ray Morrison; Smith Center, Charles Mantz; Neodesha, Wayne Coltrain; McCune, Ralph Utermohlen; Alma, Samuel Stenzel; Ellsworth,

(Continued on Page 15)

LAMBS MAKE A PROFIT



SOME LIVESTOCK PROJECTS are making money. These spring lambs made a nice labor profit this year for Joe Green, Lincoln county, and their ewes contributed pelts averaging 11 pounds. Total labor profit on lambs and wool was around \$10 per lamb. Feed costs were figured at \$10 a ton for silage; \$35 for hay and \$2.50 a hundredweight for milo.

Lester Crandall; Seneca, Forest Adams; Spearville, Bob Rethorst; and Independence, T. E. Stockebrand.

Individuals: Roy Graham, Chanute; Joe Daniels, Smith Center; Donald and Darrell Rosenow, Clay Center; Mason May, Smith Center; Loy Reinhardt, Chanute; Dale Johnson, Neodesha; Gary Rumsey, Almena; Dale Shenefelt, McCune; and Marvin Johnston, McCune.

Farm machinery teams and coaches: Smith Center, Charles Mantz; Clay Center, Ray Morrison; Ottawa, S. S. Bergsma; McCune, R. Utermohlen; Almena, Samuel Stenzel; Moundridge, R. L. Ramsdale; Hillsboro, William D. Smith; Chanute, C. O. Carter; Norton, Boyd Boyer; and Altamont, Jack Schell.

Individuals: Joe Daniels, Smith Center; Clinton Pierce, Partridge; Marvin Bartel, Hillsboro; Donald Rosenow, Clay Center; Eugene Graves, Burns; Verne Goering, Moundridge; Marvin Johnston, McCune; Dale Reeves, Almena; Roy Graham, Chanute; and Darrell Rosenow, Clay Center.

Concrete teams and coaches: Beloit, Frank Carpenter; Neodesha, Wayne Coltrain; McCune, Ralph Utermohlen; Almena, Samuel Stenzel, Palco, Ben Schweitzer; Spearville, Bob Rethorst; Chanute, Charles O. Carter; Clay Center, Ray Morrison; Cherryvale, C. H. Young; and Ford, R. K. Marmon.

Individuals: Tom Gentry, Neodesha; Arnold File, Beloit; Loy Reinhardt, Chanute; Darrell Claussen, Spearville; Meredith Feldsman, Kinsley; Dale Shenefelt, McCune; Gary Rumsey, Almena; Darrell Hosler, Beloit; Therean Towns, Palco; and Marvin Johnston, McCune.

Farm power teams and coaches: Ottawa, S. S. Bergsma; Kincaid, Sam

Harris; Independence, T. E. Stockebrand; Silver Lake, Dean Prochaska; Burns, A. W. Miller; Arkansas City, Harold B. Walker; McCune, R. Utermohlen; Fredonia, Harold Shoaf; Overbrook, F. E. Simmons; Hoxie, Frank Hutchinson.

Individuals: John Milton, Ottawa; Clyde Sprague, Kincaid; Wayne Dunn, Seneca; Marvin Geisler, Alma; Fred Keck, Independence; Eugene Graves, Burns; Gene Feldman, Kinsley; Norman Dodge, Overbrook; Darold Williams, Toronto; and Marvin Johnston, McCune.

In the Better Chapter contest schools placing in gold emblem division and their coaches were: Alma, Frank E. White; Beloit, Frank Carpenter; Buhler, J. A. Johnston; Chanute, Charles O. Carter, Jr.; Clay Center, Ray W. Morrison; Coldwater, L. E. Melia; Effingham, Roy Eck; Ellsworth, Lester L. Crandall, Emporia, Emory Groves; Holton, Keith Wagoner; Hill City, John Lacey; Hoxie, Frank Hutchinson; Little River, Milton Kohrs; Shawnee Mission, Harold Garver; Olathe, A. G. Jensen; and Stockton, Floyd Blauer.

More than 1,400 Future Farmers and instructors attended the event.

The climax of the two contests was the annual banquet given by the Manhattan Chamber of Commerce.

Honorary State Farmer degrees were conferred upon John Lewis, of the Alfalfa Lawn Polled Hereford Farm, Larned; Dr. R. V. Olson, head, agronomy department, KSC; Roy Freeland, secretary, Kansas State Board of Agriculture; Wes Seyler, farm program director, WIBW, Topeka; Jerry Moxley, Moxley-Hall Hereford Ranch, Council Grove; Perry Lambert, Hiawatha, past president of the Kansas State Board of Agriculture.



130,000 bushels of corn in six years is the record of Joe (left), and Bill Marshall, Marshall, Mo. Close to 100 bushels per acre, four years out of the last five! Here is how they did it:

Want to Double Your Corn Harvest Next Fall?

Here is the Marshall Brothers' secret: balanced fertilizer and lots of "Mr. N"!

What's your goal for the corn you plant this spring? Forty bushels an acre? Fifty? The biggest mistake you can make is to set your sights too low! Back in 1948, Bill and Joe Marshall of Marshall, Mo., took aim at 100 bushels per acre—on 300 acres or more—and by consistently hitting their target they've won a national reputation! Dozens of articles have been written about them. Farmers have traveled miles to ask their advice on all types of corn growing problems.

It's all very simple, to hear them tell it. They just pour on the nitrogen, and make sure there's plenty of phosphate and potash on hand to back it up. The first step is discing in their corn stalks and plowing them under with 300 pounds of ammonium nitrate (Spencer "Mr. N," if possible!). Then they apply 300 pounds of 4-24-12 in the planter (your soil test may indicate some other grade). With this treatment, they expect an excep-

tional harvest, and almost always haul it in.

"Nitrogen to corn," say Bill and Joe, "is like good red meat to a growing boy. Regardless of crop prices, we wouldn't think of planting corn without plenty of ammonium nitrate fertilizer. It's the key to our operation. We start looking for Spencer 'Mr. N' in July and buy it whenever and wherever we can!"

Here's how nitrogen pays off on your corn:	
10-bu. profit	
No fertilizer = 50 bu. yield	
32-bu. profit	
\$10 for Nitrogen = 80 bu. yield	

Even when prices are inching downward, you should use more rather than less fertilizer. \$10 worth of nitrogen can boost a 50-bushel yield of corn to 80 bushels—give you an extra \$40 worth of corn.

NOTE: Current demand for Spencer Ammonium Nitrate Fertilizer continues to exceed supply. Your dealer may not be able to fill your order. We are operating our plants 7 days a week, 24 hours a day, and are doing our best to increase output.



How to Care for Your Tomatoes, Most Important Garden Crop

By WILLIAM G. AMSTEIN, Kansas State College

STAKING (supporting) and mulching tomatoes deserves to be more widely practiced by gardeners. Production on staked tomatoes may not be any higher but a larger percentage of the total crop will be usable. Spraying as well as harvesting where tomatoes are staked and mulched is much easier.

Some gardeners stake only their early tomatoes. Many practice some pruning. Staked and pruned plants usually ripen fruit earlier. It does not take long to put tomatoes on stakes. Less time is required afterwards in tending them.

There is wide variation in the amount of pruning practiced. Some growers prune down to one stem. Other growers do not prune at all. Some prune to 3 stems. Varieties you are using will make some difference in your pruning. Varieties that set heavy are usually short of foliage. Do not prune this type, since a heavier loss of fruit from sunburning will result. Small-vined plants left on the ground with a crop exposed to the sun will have heavy losses.

When You Are Pruning

Heavy-vined tomato varieties can be pruned to a 3-stem system. Allow the main stem and the first 2 shoots or suckers that start close to the ground to remain on the plant. These shoots are at the junction of the leaf and the main stem. Select branches to be left early so growth will not be wasted in parts to be pruned out later.

Some gardeners prune early in the season, then allow the plant to grow unpruned after that. However, the plant is supported to the stake.

Supporting plants to a stake but pruning very little is a good answer.

A modified plan that will give a little more foliage as well as a better early set and heavier yield is suggested. This system has been developed at the University of Missouri. Shoots that grow from the auxiliary bud immediately below each flower cluster grow more rapidly than shoots or suckers from other locations on the plant. Instead of prun-

ing this shoot out allow it to grow 2 leaves, then remove the growing point. A good bit of extra leaf area is obtained and a much better early set as well as heavier yield result.

Mulching tomatoes, whether or not they are staked, is another useful practice. Hay, straw, ground bundle feed, grass clippings and shavings can be used. There are many advantages and very few problems with the practice. Mulch needs to be deep enough, 3 to 5 inches, to keep down weeds as well as to conserve moisture.

Plan a tomato spray program and start to put the plan into operation very soon. Most of us will recall the heavy foliage and fruit losses suffered some years. Rainy weather permits foliage trouble to get started. Disease problems are often brought home on the plants. Later, ideal weather conditions may cause them to be spread rapidly. Periods of warm, wet weather will provide a good chance for diseases to get underway.

Tomatoes located where you have grown them in other years will be more subject to trouble than on new areas.

Time to Start Spraying

As soon as any leaf spot infections are noticed on lower leaves, a spray or dust program should be started. Better yet, a plan should be followed to keep this condition from starting. Plan now to cover foliage at regular intervals of 7 to 10 days with spray or dust. Start within a month after plants have been put out in the garden.

A large number of chemicals can be used to handle these foliage problems. Some type of copper compound is usually suggested such as Copper A. Basicop and many others are available. Bordeaux mixture can be used. Other control materials are Parzate and Zerlate. Some mixtures contain materials that will handle insect problems as well. In most communities some of these trade-named products are available at your store.

You Can Have Fun With a Hobby At Any Age From 6 to 96

Do you have a hobby? If you do, please drop a letter to The Editor, Kansas Farmer, Topeka, telling about it. We would like to help spread the idea of hobby fun all over the state. Here are first letters from our readers who want to tell you about their hobbies, all the fun and grand experiences they have with them.

DEAR EDITOR: As I am a hobbyist, I felt I should write about my hobbies after reading your article in *Kansas Farmer*, April 18 issue.

I have a collection of scrapbooks which I have been compiling for over 20 years, beginning with events that happened in our first married years. Then I kept scrapbooks of the children (one boy and one girl), of their activities thru grade school, high school, then thru their college days.

I exhibited 25 scrapbooks at the first hobby show in Hutchinson, April 18, 1920, which included (other than the ones mentioned above) one on poems and verses, noted Americans, the flag, Kansas, flowers, articles on the Bible or rather religious articles, cakes, ships, quilt patterns, quotations, sayings, proverbs.

At the hobby show this year, May 3 to 6, I entered besides my scrapbooks, handkerchiefs which I've collected from nearly every state in the Union and from foreign countries—the Philippines, Puerto Rico, Portugal, Caledonia, Italy, India, Marshall Islands, England, New Zealand, Aleutians, British West India, Alaska, Africa, Trieste, Australia, Japan, Korea, Hawaii, Canada, Mexico, Ireland and Cuba.

I feel a hobby is a worthwhile avocation. As R. Bruce Tom, Extension rural sociologist at Ohio State University said, "A hobby is something you do because it makes a worthwhile difference in your life, but a fad is something you do because everyone else is doing it."

Exhibits at the show were wonderful and thousands of people attended.

I'll be glad to answer any questions you may have pertaining to my hobby.
—Mrs. P. F. Wiens, Lyons, Rice county.

DEAR EDITOR: You asked for this, so here is my say. The *Kansas Farmer* came today and I glanced thru the pages as usual, reading here and there. One page has given me something to think about all afternoon.

"Do you have a hobby?" I certainly do have, only mine can't be answered with only one hobby. I have so many I can't count them all. I like to do many things and just make things. I like craft work of all kinds. Some of them I am satisfied to read about. Many I do try and have the satisfaction of trying.

What is a hobby? Of what value are hobbies? I have asked myself these questions. So I will try to express some of my opinions, and tell about my experience with hobbies and why I think people should have such interests.

Hobbies are of great value. They are restful in diverting one's mind from the cares of the day. Many of my gifts are made from the hobbies I pursue. I have developed hobbies to try to get my children interested in making things. An interesting hobby can often lead to financial help. . . .

I like to make things. Probably I

Thank You

I thoroly enjoy reading *Kansas Farmer*. In it you can find something of interest for every member of the family. After having read the letters from the exchange students you almost feel you have visited a great part of Europe. Keep up the good work.—Mrs. Lilian A. Meyer, Basehor, Kan.

should list needlework and crocheting as my main hobbies. I have always liked to sew. My first piece of embroidery was crude butterflies on the corners of a square of flannel. This was done a few weeks before my 7th birthday. . . .

I would name crocheting next. I have crocheted thousands of yards of thread. It is the one thing I always have ready to pick up for those few minutes time. I have made doily edges, novelties. I even have a picture 14 by 18 inches made with a crochet hook. It is a basket of flowers. The leaves, flowers and basket are all crocheted. My husband occasionally drags someone to the bedroom where it hangs to show it. He thinks it is the most outstanding thing I have made.

Next there are many things which I have an interest in. Some are seasonal or have become fads and I have tried my luck at them. I have made leather articles, used luster lace, made shell novelties, metal craft pictures, glo-can-

dles, artificial flowers, textile painting, oil painting, aluminum etching, woodwork, rugmaking, quilting and photography. I always like to cook, sew, read, listen to radio, music of all kinds and raise things. . . .

Two years ago I decided I wanted to try an oil painting. So I got the paints, brushes and canvas and began. I have a few pictures but will never become an artist. I just like to try. I finished my last painting this week as a gift for my husband's birthday.

Last winter I took up photography. Our grown son is an amateur photographer. He has a darkroom in the corner of my utility porch. I'm learning so I can talk pictures with him and can enjoy his hobby more. I may never make many pictures but can understand better how they are made.

Last I want to mention my deep interest in 4-H Club work. It's a pleasure to help direct children in this wonderful work. I have been a 4-H Club leader in 3 different communities. This current year is my 7th year of club work. Every person should tie themselves up to some community work and do their bit toward making a better world. . . .

Kansas Farmer is a regular "must" in our home. We have taken it and Capper's Weekly since we were married. I attended the annual state Farm Bureau meeting several years ago. While there I wandered around seeing where the Capper's Weekly was made. I also met Mr. Gilkeson in the *Kansas Farmer* office. . . .

I enjoy the 4-H Club news page. Sincerely—Mrs. Archie Cooper, Moscow, Stevens county.

Name Top Winners in Balanced Farming and Family Living Program

ANNOUNCEMENT is made of winners of state recognition in the Kansas Balanced Farming and Family Living program. Three top farm couples are

Mr. and Mrs. Kenneth L. Kraus, Hays; Mr. and Mrs. Herman Roesler, Junction City, and Mr. and Mrs. Royal F. Yoder, Conway, announces L. C. Williams, dean of Agricultural Extension service, Kansas State College.

Presentation of plaques to winners was made May 7 in Topeka at annual meeting of the Kansas State Chamber of Commerce which sponsors the award program in co-operation with Kansas State College Extension service.

Couples given district recognition include: Mr. and Mrs. Paul Chronister, Abilene; Mr. and Mrs. Norman L. Voights and Mr. and Mrs. William F. Voights, Lenexa; Mr. and Mrs. Russell Taylor, Kinsley; Mr. and Mrs. Haye F. Wilkin, Leoti; Mr. and Mrs. Ernest Keneller, Rolla and Mr. and Mrs. Francis A. Grillot, Parsons.

Major enterprise on the Herman Roesler farm in Geary county is a grade-A milking unit with a balanced pasture program. Dairy project was started in 1951 with building of a milking parlor, remodeling a barn for a loafing area, and equipping the barn loft with hay-drying and storing facilities. Present herd totals 20 cows.

On the Kenneth Kraus farm of 790 acres in Ellis county, dairying is chief enterprise. During last 3 years the herd has been increased from 40 to 65 head. One of greatest improvements on this farm also is a new milking parlor system. A new house includes a utility room with washing and shower facilities, convenient and adequate storage, modern kitchen and planned features for 2 small children. All contribute to efficiency and comfort.

On Royal Yoder 570-acre farm in McPherson county, a soil erosion control program includes 150 acres farmed on contour and 90 acres terraced as basic parts of balanced farming program. Soil-building practices include sweet clover, alfalfa and use of lime and phosphate fertilizer. The Yoder home has been remodeled to include a new bathroom, basement shower and more adequate storage. New equipment has been added to both farm and home including combine, automatic washer, electric ironer and vacuum cleaner.

Awards are based on progress made in last 3 years, in both agricultural and homemaking projects. County winners receive certificates. Area winners receive a bronze plaque and silver plaques to 3 state winners.

Shower Suggestions

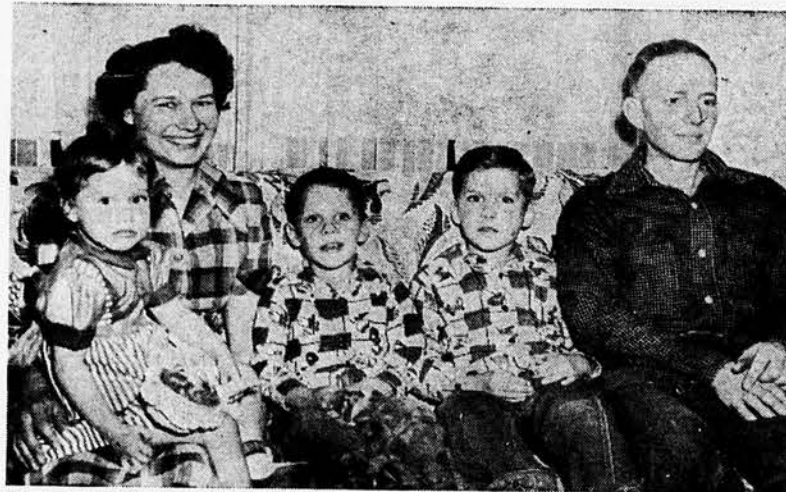
You will find the following leaflets helpful if you are planning to entertain at a bridal or baby shower:

Surprise Shower for the Prospective Mother. 3c.

Bride-to-Be Tea Shower. 5c.

Sewing Shower for the Bride-to-Be. 5c.

Send your orders to Home Service Editor, *Kansas Farmer*, Topeka, Kan.



MR. AND MRS. HERMAN ROESLER, Junction City, and family are state winners in the Kansas Balanced Farming and Family Living Program.

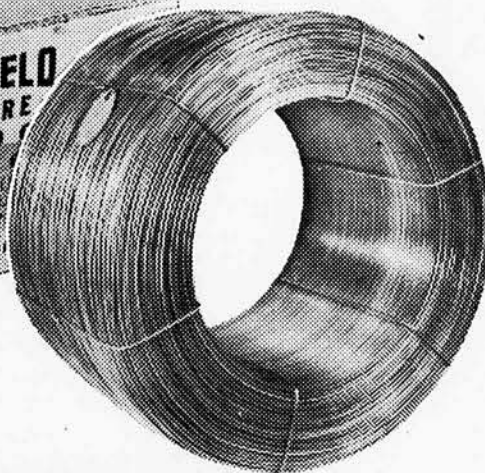
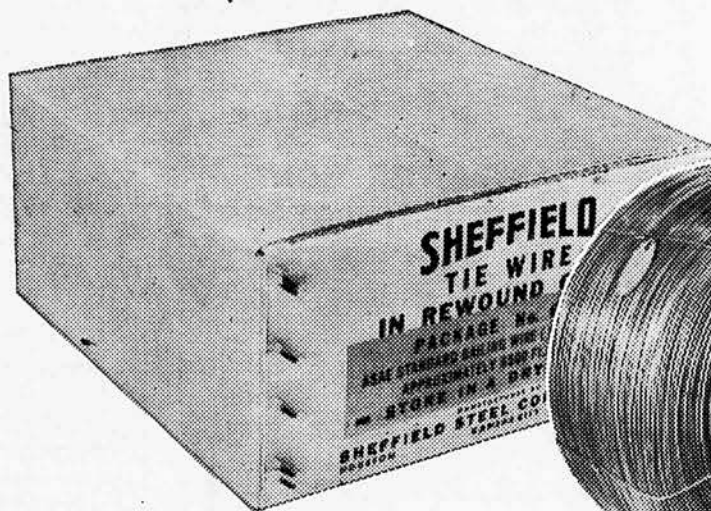
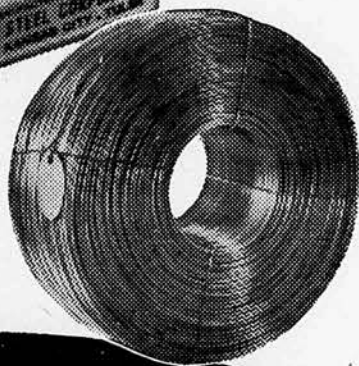


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For John Deere, New Idea, and Oliver Balers. Packages 2 coils per carton. Approximately 3150 lineal feet per coil.

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For International Harvester, Minneapolis-Moline, and New Holland Balers. One coil, approximately 6500 lineal feet, per carton.

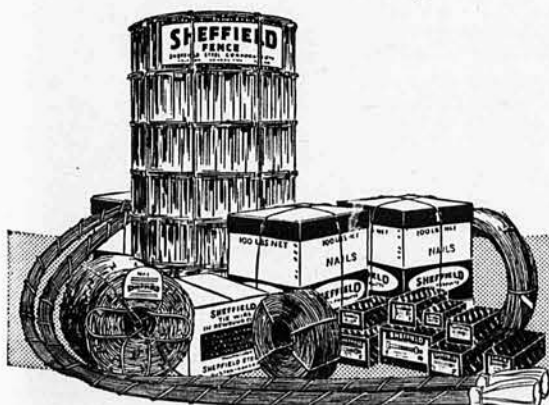
GUARANTEED TO MEET *A. S. A. E. SPECIFICATIONS

Sheffield has been the preferred name in bale ties for 30 years. Now Sheffield Baling Wire is making the same sort of reputation for its performance in automatic balers.

Every coil of Sheffield Baling Wire is every inch a product of rigid manufacturing control that assures uniformly high quality. All Sheffield Baling Wire is made from special analysis annealed steel—perfectly combining the right properties of toughness, pliability, and high tensile strength.

Sheffield's manufacturing control includes checks and tests at each step in production to assure rigid adherence to physical and chemical standards—from refining of the steel, through drawing of the wire, special soft annealing, and final thorough coating with a free-flowing rust-preventive oil before packaging.

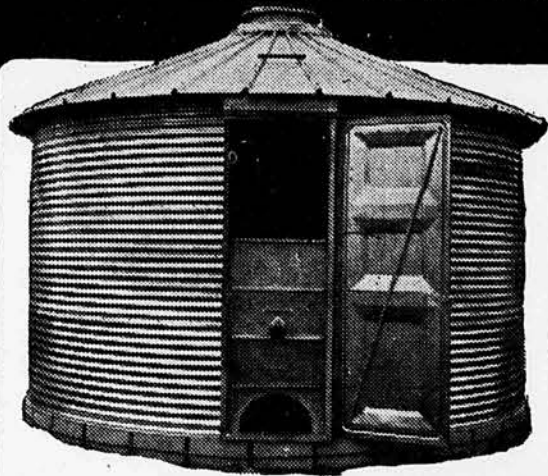
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Makers of bale ties for nearly a quarter century.

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SAVE
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- RAT-PROOF
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U. S. Department of Agriculture Uses Eaton Bins for Storage

Eaton's Improved All-Steel Grain Bins provide the finest, safest and most economical methods of storing grain on the farm. That's why thousands of Eaton bins are used for grain storage by the U. S. Department of Agriculture throughout the midwest.



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Eaton galvanized all-steel bins keep grain better and longer. Rats and weather elements can't get into an Eaton bin. Eaton bins are 100% fire-proof and they last longer because steel won't rot, warp, or get out of shape. You save all your grain with an Eaton bin.

Eaton bins are built with real labor-saving conveniences such as ventilator opening and removable roof section for filling, removable door panels, adjustable spout and spill-proof shovel tunnel for easy removal of grain. Ask your local dealer about Eaton's 15 superior construction features. Or write the factory for illustrated folder.

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...TAKE A LOAD
OFF YOUR FEET
WITH SOLES OF
**CUSH-N-
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SEE THEM...
TRY THEM ON
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Write for our booklet—
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HARD WORK is a lot easier when you have these feather-light Cush-N-Crepe soled work shoes on your feet. Wedgie sole is a natural arch support which helps absorb shock and wears like iron. Sweat-proof insole that will not crack or curl. Multiple widths and sizes to insure correct fit.

WORK SHOES—
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**RED WING
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SINCE 1905

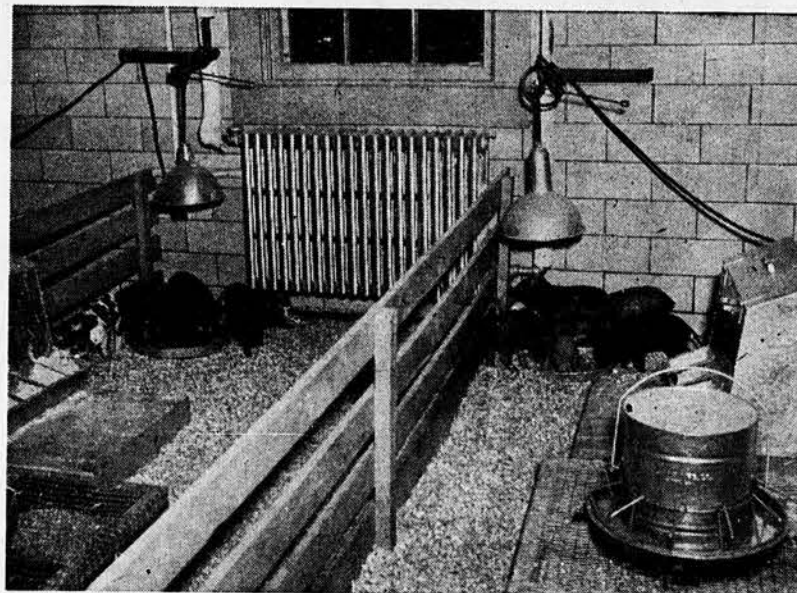
PFIZER COMPANY OPENS NEW FARM

Tests With Hogs, Chickens, Cattle, Small Animals on Antibiotics
Show Interesting Results

FARM EDITORS were special guests at the April 14 formal opening of a new experimental farm at Terre Haute, Ind., of Charles Pfizer & Co., Inc., world's largest producer of antibiotics.

The new research farm, we were told, located in center of a 700-acre tract,

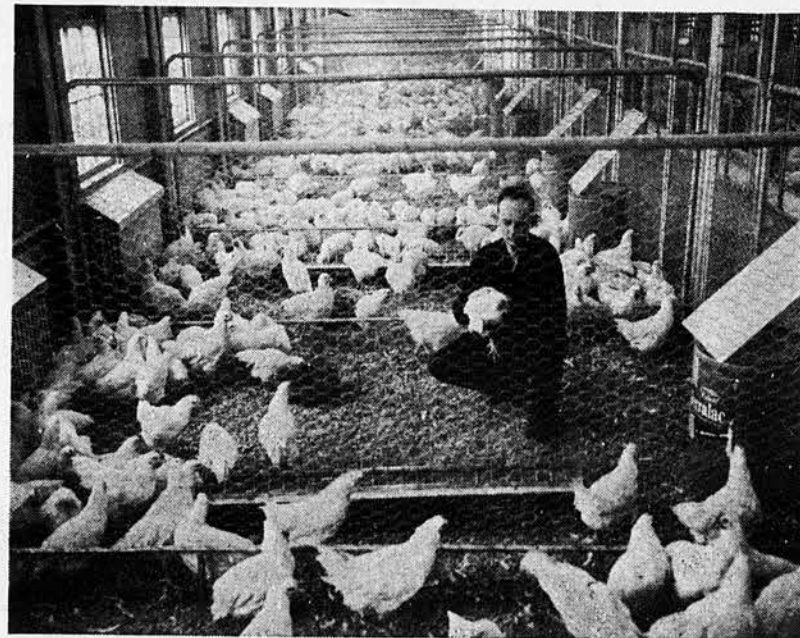
combines for the first time animal nutrition and veterinary medicine into a single experimental unit. Hundreds of hogs, chickens, cattle and small animals in all stages of maturity are available for experimental feeding and research in disease control. The day's
(Continued on Page 20)



ON THEIR FIRST DAY away from the sow, these piglets are gathered around pans of artificial sow's milk moistened to a gruel. Within a few days they will be feeding from a self-feeder on dry artificial sow's milk, at Pfizer Experimental farm, Terre Haute, Ind.



IN TREATING young calves for scours, Dr. Gail E. Hawley uses balling gun to place capsule of terramycin in throat of calf. Two treatments checked the disease within a few days, at Pfizer Experimental Farm, Terre Haute, Ind.



WHITE ROCK PULLETS in one of 24 feeding pens at Pfizer Experimental Farm, Terre Haute, Ind., are looked over by William Warden. Twelve different diets may be fed in replicate in the house shown above.

If ever a truck was designed with a farmer in mind...

this new Ford Truck is it! A truck that is "right as rain" for farming!
New, easy handling saves work and time in getting around on the farm.
New "DRIVERIZED" Cab offers a riding treat after hard chores in the fields.
Ford Trucks are new throughout...designed to get farm jobs done fast.

Few people know the dollar-value of an hour's time as well as the American farmer does. There are many times when just one hour of his time is worth hundreds of dollars.

Time is money! Today's farmers know it. Ford Truck engineers know it. That's why TIME-
SAVING was a major goal in designing the completely new Ford Trucks for 1953. With scores of new TIME-
SAVING features, the new Ford Trucks are made-to-order for farm work.

New "DRIVERIZED" Cabs provide living-room comfort, cut driver fatigue. They help save time by making driving easier in many ways:

Better visibility, for instance. Although the new curved one-piece windshield is the most obvious improvement, bigger windows at the sides plus a 4-ft. window at the rear, offer an amazing increase in all-around visibility.

The new Ford Truck seat is something special. Wider, of course. Non-sag seat springs. Adjustable seat cushion and separate adjustable backrest. Most interesting new feature of all is that every seat now has an exclusive *shock snubber* to help level out the ride.

For easier maneuvering in tight quarters, between farm buildings, or in the field, turning



COMPLETELY NEW Ford Model F-100 Pickup offers a 6½-ft. box featuring new bolted construction and new clamp-tight tailgate. Choice of V-8 or Six. Choice of five transmissions, including FORDOMATIC DRIVE and OVERDRIVE (extra cost).

diameter has been considerably reduced. This was done by "setting back" the front axle, by widening front tread, and by improving the steering geometry.

What's more, Synchro-Silent type transmissions are now standard on all of the new truck models. This means faster shifting and less truck momentum lost. The shift lever on all 3-speed transmissions is mounted on the steering column, where it is easy to reach.

Fully automatic drive is now available in Ford half-ton trucks at extra cost. FORDOMATIC is a great time-saving convenience. More than that, it is a natural for field work because it permits low wheel speeds in rough going, without stalling the engine. A gas-saving, engine-saving OVERDRIVE transmission is also available at extra cost on Ford Series F-100.

Only Ford gives you a choice of V-8 or Six in five different engines. The new 101-h.p. overhead-valve "Cost Clipper Six" is the first and only high-compression, LOW FRICTION-type engine in any light-duty truck. The famous 106-h.p. Ford V-8, proved by billions of service miles, remains the farmers' favorite.

New Ford service accessibility saves time in the shop. Front ends, for instance, have been redesigned. Hoods are wider. Frames are wider,

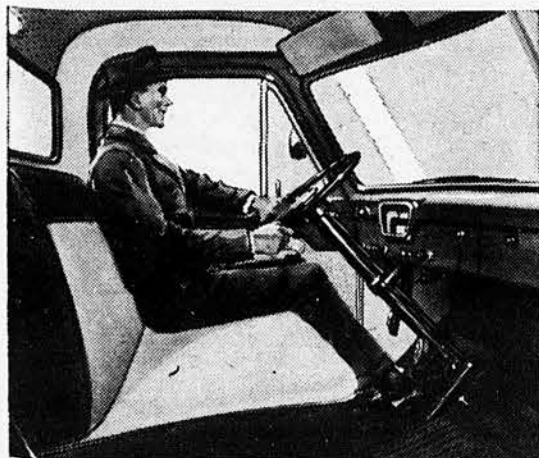
too, permitting a new fender contour that makes engines much easier to get at.

NEW CLAMP-TIGHT tailgate on 6½-ft. Pickup features rigid design to prevent sagging under load. Overlapping design to give snug fit at floor.



Now, with many more Ford Truck models to choose from, you can get the best truck for your work. A newly added 9-ft. Express, for example, should develop into a real farm favorite.

For free, detailed information, write: Ford Division of Ford Motor Co., Adv. Dept. T-48, Box 658, Dearborn, Michigan. Specify your interest in light or heavy models. No obligation.



NEW "DRIVERIZED" CABS cut driver fatigue. Both the Standard and Deluxe Cab (shown) have new curved one-piece windshield, 55% bigger for more visibility; new 4-ft. wide rear window; new wider adjustable seat, with new non-sag springs and new *shock snubber*; new push-button door handles, rotor-type latches.



FORD ECONOMY TRUCKS

SAVE TIME! SAVE MONEY! LAST LONGER!



Jayhawk Senior
Only \$375
Plus Federal Tax



Jayhawk Junior
Only \$275
Plus Federal Tax

Featuring New Principles of Modern Design in a Simplified, More Efficient, Lower Cost Hoist for Farm Use



Jayhawk Senior handles big trucks. Note high angle of dump and rear push button control.

Utilizes three basic engineering principles, the wedge, the wheel and the inclined plane to provide one of the most effective lifting mechanisms ever developed. Electric-hydraulic operation. No power take-off! Hydraulic pump powered by electric motor pushes two wheels up an inclined ramp, activating additional rollers moving within the steel sills of the hoist. Result:—extreme simplicity, drag free lift, high dumping angle, less friction and wear, lower cost. You'll want to see and buy this revolutionary new hoist.

Only Jayhawk Gives You All These Features

- Electric-hydraulic operation.
- Lowest mounting.
- Dual push button controls.
- Automatic by pass to prevent overloading.
- Automatic lock down.
- Automatic lock at any dumping height.
- Easily installed.
- Completely integrated.
- Less weight for power.
- Lower cost.

2 Low Cost Models for All Farm Trucks

Jayhawk Junior for 1/2, 3/4 and 1 ton trucks with steel express or farm type bodies with 6 1/2 to 9 foot beds. Rated capacity 3 tons. Powered by truck battery.

Jayhawk Senior for 1, 1 1/2 and 2 ton trucks with 9 to 14 foot beds. Seven ton rated capacity. Extra battery, controlled through series-parallel switch, produces 12-volt system for hoist, 6-volt booster for truck.

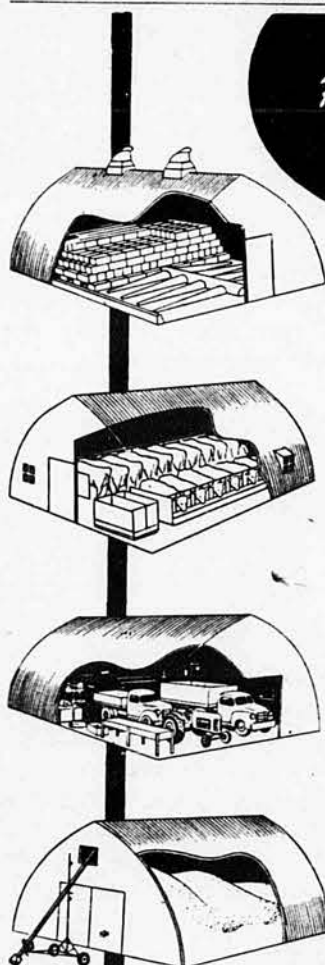


Jayhawk Junior in operation, handling pick-up with farm body.

See Your Jayhawk Hoist Dealer. Send Coupon Now for Full Details.

WYATT MFG. CO., Inc. Please send full details on the Jayhawk Truck Hoist.
Safford, Kansas

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ADDRESS _____ H-3



All-Purpose STEEL-FRAME BUILDINGS

THESE FACTS MAKE BIG CHIEF A SUPERIOR BUILDING COMPARE THEM!

INSULATION

Cooler in summer—far warmer in winter. Big Chief is the only building of its type specifically designed to use high-strength, high "K" value, 1/2" thickness industrial insulation board. Easy to heat! Low Cost!

FAST ERECTION

Big Chief steel, self-supporting framework goes up in a few hours—entire building finished in a few days. Low erection cost with factory trained erection crews.

DURABILITY

RIGID! TOUGH! DURABLE! Engineered to withstand wind and weather. Rot-proof, warp-proof... rat, termite and fire resistant!

ALL PURPOSE

This ideal, modern, long-life building has 1,001 uses on the farm or ranch—grain storage, animal or dairy barns, work shop, garage, machine shop, warehouse... Big Chief is easily and economically adapted to your needs.

ECONOMY

Big Chief Steel Frame Buildings are economical to build and maintain—low initial cost—low erection cost—low maintenance cost—low insurance rates.

You'll Be Money Ahead to INVESTIGATE BIG CHIEF!

BIG CHIEF Steel Frame BUILDINGS

BIG CHIEF MFG. CO., HUTCHINSON, KANSAS

Please send me, without obligation, illustrated literature about economical Big Chief Steel Frame Buildings.

NAME _____

ADDRESS _____

TOWN _____

COMING EVENTS

May 18—East Central District Jersey spring dairy show, Garnett.

May 18—Jefferson county crops tour, time and place to be announced.

May 18—Norton county district 4-H livestock judging school, Earl Sutor farm near Zurich, 9 A. M.

May 18—Clay county air tour if weather permits. In case of bad weather, to be held May 22.

May 18-20—Barton county leader training in consumer education with Mrs. Helen Dean Neighbor of KSC.

May 19—Cheyenne county 4-H livestock judging school with V. E. McAdams and Lot F. Taylor of KSC. H. G. Hereford farm, Atwood.

May 20—Old Limestone Day 20th anniversary celebration with Hugh Hamond Bennett principal speaker, Mankato.

May 20—Chautauqua county dairy field day with Ralph Bonewitz and Leo T. Wendling of KSC.

May 20—Anderson county unit training, Garnett, 10 A. M.

May 21—Anderson county land judging school and tour, Garnett, 10 A. M. to 3 P. M.

May 21—Kiowa county leader training meeting with Naomi Johnson of KSC, Greensburg, 10 A. M.

May 21—Johnson county soils, crops and housing tour.

May 21—Covley county dairy tour with Ralph Bonewitz and Leo T. Wendling of KSC, Arkansas City, 10 A. M.

May 21-22—Elk county soil conservation twilight tour to north and south ends of county.

May 22—Douglas county crops tour with L. E. Willoughby and Harold Stover of KSC.

May 22-23—Edwards county short-cut sewing demonstration, Kinsley, 10 A. M.

May 22—Butler county dairy tour with Ralph Bonewitz and Leo T. Wendling of KSC.

May 23—Clay county district 4-H poultry judging school, daytime meeting, Clay Center.

May 23—Jefferson county 4-H health contest, time and place to be announced.

May 25—Canton 5 Brown Swiss spring dairy show, Topeka.

May 25-29—4-H Roundup, Manhattan.

May 25-29—4-H Music Camp, Rock Springs.

May 25 to June 13—Vocational Agriculture teachers workshop, Manhattan.

May 26—Canton 1 Brown Swiss spring dairy show, Erie.

May 27—Canton 2 Brown Swiss spring dairy show, El Dorado.

May 28—Canton 4 Brown Swiss spring dairy show, Hutchinson.

May 29—Canton 3 Brown Swiss spring dairy show, Dr. Bush Farm, Harper.

June 1—Woodson county garden tour with Dell E. Gates of KSC.

June 1-3—Jewell county 4-H camp, Rock Springs.

June 1—Russell county crops and soils tour with L. E. Willoughby and Walter E. Selby of KSC. Time and place to be announced.

June 1—Osage county 4-H fitting and showing demonstration, Osage City, 10 A. M.

June 1-2—Anderson county unit training meeting, Garnett, 10 A. M.

June 1-3—Mitchell county 4-H Camp, Rock Springs Ranch.

June 2—Agronomy Field Day, Manhattan.

June 2—Kiowa county field crops tour with Frank Bieberly and Claude King of KSC, Greensburg, 10 A. M. Greensburg Chamber of Commerce assisting.

June 2—Johnson county land judging school.

June 2—Johnson county 4-H recreation leaders meeting with Shirley M. Bessey of KSC.

June 2—Sumner county eastern section soils and crop tour starting near Milton.

June 3—Sumner county western section soils and crops tour starting near Belle Plaine.

June 3—Small Grain Field Day, Mound Valley.

June 3—Anderson county 4-H unit training meeting, Garnett, 10 A. M.

June 3-4—Elk county Balanced Farming 2-day tour.

June 3-6—Osage county 4-H camp, Rock Springs.

June 4—Small Grain Field Day, Thayer.

June 4—Anderson county dairy and beef day.

June 4—Wabaunsee county entomology field day.

June 4—Comanche county crops tour starting at court house, 1 p. m.

June 4—Hamilton county combine adjustment meeting, Syracuse 2 to 4 P. M.

June 4-5—Herdsmen's Conference, Manhattan.

June 5—Broiler Growers Day, Manhattan.

June 5—Small Grain Field Day, Columbus.

June 5—Barton county crops tour and seed treating demonstration, Medicine Lodge, 10 A. M. to 3 P. M.

June 7-10—Johnson county 4-H camp, Rock Springs Ranch.

June 7-10—Neosho county 4-H camp, Rock Springs Ranch.

June 8—Cheyenne county 4-H judging, fitting and showing school with V. E. McAdams of KSC, St. Francis.

June 8—Small Grain Field Day, Hutchinson.

June 8—Doniphan county 4-H livestock judging school, Jackson county.

June 8—Shawnee county land judging school.

June 8—Rush county crops tour.

June 8—Reno county crops tour.

June 8-9—Ottawa county foods and nutrition leader training meeting, Extension room, 10 A. M.

June 8-10—Anderson county 4-H camp, Rock Springs Ranch.

June 8-13—Refresher Course for Vocational Agriculture teachers, Manhattan.

June 9—Small Grain Field Day, Kingman.

June 9—Doniphan county balanced farming tour, 9 A. M. to 4 P. M.

June 9-11—Seed Dealers Conference, Manhattan.

June 9-11—Ford county district junior leadership camp, Southwest 4-H camp, Dodge City.

June 10—Weed Control Field Day, Canton.

June 10—Osage county home management training school, Lyndon, 10 A. M.

June 10—Wallace county livestock judging school, 10 A. M.

June 10-12—Comanche county junior leadership 4-H camp, Ford county 4-H camp.

June 10-13—Norton, Decatur, Phillips, Rooks, Graham and Sheridan counties 4-H camp, Rock Springs Ranch.

June 11—Osage county farm and home picnic and tour, 12 noon.

June 11—Small Grain Field Day, Dodge City.

June 11—Ford county wheat field day, Experimental field south of Dodge City, 2 P. M.

June 11—McPherson county district artificial breeding meeting, McPherson.

June 12—Small Grain Field Day, Garden City.

June 13—Woodson county district 4-H judging school with Ralph Bonewitz of KSC, Allen county.

June 13—Annual Cimarron Crossing celebration, Cimarron.

June 13-14—Topeka Roundup Club benefit horse show, Topeka Free Fair Grounds. Performances: 8 p. m. Saturday, 2 p. m. Sunday, and 8 p. m. Sunday.

June 15—Johnson county 4-H room improvement tour.

June 15—Pottawatomie county crops tour with L. E. Willoughby of KSC.

Pfizer Company Opens New Farm

(Continued from Page 18)

events April 14 included a complete tour of the unit, and special talks by the Pfizer technical staff.

Highlight of the day's announcements in experiments was that CRD (chronic respiratory disease) of poultry for first time has been successfully treated. Cure is an injection of the antibiotic, terramycin, in oil. Veterinarians at the Pfizer farm announced the new product, which represents the first conclusive development in the fight against this disease.

Research men at the Virginia Agricultural Experiment Station also have conducted CRD tests with terramycin, report favorable results in control of the poultry disease. Terramycin suspension in oil was developed by Pfizers and tested successfully in Virginia.

The agricultural development department of Pfizers is charged with basic and applied research in fields of animal nutrition and veterinary medicine. Efforts in nutrition are devoted to development and evaluation of products for feed industry which will result in an improvement in farm performance thru better nutrition, improved feed efficiency, shorter growing period and generally improved livability. Role and place of antibiotics, vitamins, unknown growth factors and other agents are being evaluated. In field of veterinary research, efforts are devoted on development and evaluation of prod-

ucts which are effective in preventing and curing those diseases which are a serious problem to farmers and ranchers. Pfizers have asked individuals and groups for suggestions on problems that need concentrated attention.

Eliminates Symptoms of Disease

More than 11,000 chickens were used in tests on CRD treatment. In one flock of 3,000 14-week-old pullets in which death rate had risen sharply because of CRD infection, a single injection of terramycin in mineral oil eliminated symptoms of the disease. Ill 8 weeks before treatment, pullets recovered in one week.

Baby pigs can be put on dry feed at 5 to 7 days old and make gains up to 37 per cent better than those left with sow, comments Pfizers. Experiments at the farm involved feeding 227 pigs variations of 7 different rations. Pfizers, who pioneered in 1952 in introduction of synthetic sow's milk, now show that dry synthetic need not be converted into a liquid milk. They say, "In converting pigs to dry feeding, a slop feeding period of 2 to 3 days is desirable in order to acclimate the animal to the transition."

The farm research team is headed by Herbert G. Luther, director of agricultural development for the Pfizer company, and Dr. James McGinnis, noted poultry nutritionist.

PURINA

CHECKERBOARD NEWS



*Around the
PURINA
FARM with
HAROLD L. WILCKE*

ASST. DIRECTOR
RESEARCH DEPT.

We coax pullets to eat greens. Our pullets make better use of range crops when feeders and founts are moved every few days. By changing location of the hoppers birds are kept on clean ground and are encouraged to eat more clover and grass.

* * *

Our chicks are revaccinated for Newcastle. We found it pays to revaccinate for Newcastle control. One check-lot of our chicks, vaccinated intra-nasally when one day old, showed minor Newcastle symptoms at 16 weeks of age. There were no symptoms of Newcastle among other birds that were revaccinated at 12 weeks by the wing-web method.

* * *

We learn about de-beaking. De-beaking broilers has resulted in better feed conversion and a higher per cent of top-quality birds, due to less feather pulling. But opinion has differed as to when chicks should be de-beaked. Growers object to the labor involved in catching birds for de-beaking at 4 weeks.

By simply tipping the lower beak with the electric de-beaker, then taking off the upper beak just in front of the nostrils, our poultrymen found day-old chicks can be satisfactorily de-beaked without the lower beak growing out to interfere with their eating.

* * *

Too much light caused trouble. All night lights had a harmful effect on some of our turkey broilers. In one test birds that were lighted had 12% more pin feathers than a similarly fed group where birds got no artificial lights.

* * *

We don't give flies a chance. Flies at the Research Farm don't have much chance to die a natural death. If they land on building surfaces they get a fatal dose of lindane and methoxychlor from Purina Building Spray. Flies that try to bother dairy animals are killed by Purina Dairy Spray. Flies around beef cattle are killed by Purina Stock Spray.

Since spray material does a more effective job if not mixed with dust, building surfaces are kept smooth and clean. We're also careful to eliminate breeding spots. Manure is hauled daily, even during busy summer months.

"Pig Startena gives 'em flying start!"

by Chet Frazier



Mr. and Mrs. W. J. Stewart pass their approval on a couple of pigs just a few days old. These little huskies are the result of a good feeding program for the sow during the gestation period.

WATERVILLE, KANS. — "When we get our pigs out of the farrowing house," Mr. and Mrs. W. J. Stewart told me, "we feel just like mothers do when they get the kids off to school. What a relief!"

"We have time to talk now," they continued, "but if you'd been here a couple of months ago it would have been a different story."

"That's when our 34 sows started farrowing, and one of us was out there with 'em 24 hours a day. But we've raised hogs for more than 20 years now and have gotten used to the long hours at farrowing time . . . in fact," and Stewart grinned at his wife, "I guess we look forward to it, don't we?"

After several days under the warmth of the brooders in the farrowing house, the pigs are moved. Stewart remodeled an old granary into a "nursery" so that the pigs might become hardened and accustomed to the outside weather. This is when the Stewarts sigh in relief . . . the little fellows are on their way.

Looking after the health of the small pigs is Mrs. Stewart's job. "In my estimation," she said, "if you boil down the 'hows' for big litters of husky pigs, they amount to (1) feeding the sow right during gestation (2) careful attention at

farrowing, and (3) good sanitation. If you do the first two right, the sanitation will be relatively easy."

Mrs. Stewart had fed Purina to the chickens for years, but had trouble talking Walt into putting the hogs on it. Finally he con-



Every morning Mrs. Stewart checks every pig for broken skin, eye and nose disorders, navel infection and other ailments. She says her first aid kit has prevented a lot of serious trouble . . . probably saved a lot of pigs.

sented to try one sow on the program outlined by his Purina dealer, V. I. Wagor. The results were so good that he discarded his home mixture and went completely on the Purina program.

"Our hogs have made us money consistently, and we're well satisfied with Purina," Stewart pointed out. "And we really like that Pig Startena. It sure gets baby pigs off to a flying start."

"I feel that Pig Startena is just right for pigs. This helps us curb scours, colds and other common troubles. We try to give 'em the best feed we know of . . . that's Startena," Stewart stated.

The Stewarts raise registered Hampshires, and through the years they have seen some changes in the hog business. "Not too many years ago," Stewart explained, "packers wanted lard-type hogs. We're now breeding for length . . . more bacon."

Like the majority of Corn Belt farmers, the Stewarts have always had hogs, because hogs fit their operation. Mr. and Mrs. Stewart have seen good times and bad . . . but their hogs have always made money. This spring again, as in the past 20 years, there was a lot of activity around the farrowing house. There'll be more this fall.



More Milk from Pasture... All Year Round

Good legume pastures bring low cost feeding method that "builds the body to get more milk"

Good alfalfa, Ladino and other legume pastures in combination with grasses have changed the feeding needs of thousands of dairy farmers. Time was, when pastures were mostly grasses, that protein was the big need to go with forage and home-grown grain.

Legume pasture takes care of much of the protein needs today for herds averaging less than 350 lbs. of fat per cow yearly. The additional needs are carbohydrates and minerals—along with bulk,

molasses and palatability. How can these be supplied at low cost?

The carbohydrate needs are usually supplied through home-grown grain. Purina has been working on the other needs, and has the answer in Purina Bulky Las.

Bulky Las is a low-cost supplement to go with grain or the ration you now are feeding. First of all, it is a big, bulky bag of feed that lightens rations. Secondly, it is high in vegetative minerals and molasses—two ingredients that add milk-making ability to grain and legume rations. Finally, Bulky Las tastes unusually good. It helps to keep cows eating even when pastures are the most lush and palatable.

This last point is important. Cows like good pasture so well they often will not eat enough grain ration. While good pasture makes lots of milk, cows simply can't eat enough of it to hold up body weight. So they slide off in condition—production begins to drop. And when the cows go into the barn in the fall, it takes months of heavy feeding to bring them back to the condition they must have to milk their best all year 'round.

Bulky Las helps you keep up body and milk flow all summer and fall by getting into your cows plenty of the materials that hold up body condition. Yet, the cost is small. In fact, Bulky Las usu-

ally lowers the cost-per-gallon of most rations.

You have your choice of two feeding directions. If you are in the habit of mixing a ration at home, simply feed Bulky Las on top of it. Give each cow a gallon a day.

If you prefer to have a ration mixed by a custom grinder, take your grain to a Purina Custom Mix dealer. Have him grind the grain and add Bulky Las to your regular mix.

FAST-GAINING TURKEYS MAKE MORE MONEY

Research workers at the Purina Farm have found that faster growth, especially while turkeys are young, will cut the overall production cost. It's because younger birds take less feed to make a pound of gain.

When 3 weeks old, a poult has gained a pound on 1½ pounds of feed. During the 28th week, a Bronze turkey should gain a pound, but it will take from 5 to 6 pounds of feed.

This is why the Purina feeding program, from starting to growing and fattening Chows, is designed to push birds on to market fast. Fast growth means good feed conversion. Many Purina feeders report 1 pound gain on only 4 pounds feed.

For details of the Purina turkey program, read the new 48-page Purina Turkey Book. In addition to feeding and management tips, there are chapters on marketing, credit and money management and disease control. Ask your dealer for a free copy of the new turkey book (No. P4237H) or write Ralston Purina Company, Checkerboard Square, St. Louis 2, Missouri.

Big Pullets... More Eggs

Now is the time to start feeding for more profit next fall

POULTRY profit for 1953 is being determined right now on many farms. For much depends on the way pullets are fed—how well they are developed for heavy laying during the months of peak egg prices next fall.

It's the big, well-developed pullets that go on the nests first and lay the most eggs from September to December—months when eggs usually bring the highest prices.

Over the last 5 years, egg prices have been 12 cents a dozen higher from September through December than during the next 4 months. And for producers selling on a graded basis, large eggs brought a 9½ cent greater premium last year in September and October than just 4 months later.

A half-dozen eggs will pay for the 2 to 3 pounds of Purina Chowder Concentrate needed to mix with your grain to help develop a big ready-to-lay pullet. Only 15



to 20 cents cash outlay for a good pullet. That's a mighty small amount to invest to help get the kind of pullets you want.

Most Purina dealers in heavy grain areas are equipped to grind your grain and mix it with the Chowder Concentrate to make a growing ration. They will grind your grain for a reasonable cost,

then mix in Chowder according to formulas proved by Purina research.

If you prefer a ready-mixed ration, keep Purina Growing Chow Checker-Etts in hoppers at all times. Place grain in other hoppers or hand feed it. It only takes 6 or 7 pounds of Growing Chow, with grain, to grow out a pullet on good range.

Speaking of Young Stock...



by J. C. THOMPSON,
Manager Livestock Research

What? No hay for young dairy calves? That's right. At least not until calves are two months old, say Purina research specialists.

More than 3 years ago experiments at the Purina Research Farm gave conclusive proof that the new idea is sound—and profitable.

Why is it profitable? Because you end up with a bigger heifer that's ready to breed sooner. And of course that means less time to feed that heifer before she starts paying you back with calves and milk.

One test on the Purina Farm was set up this way: Thirty-one head of heifers were divided into two groups. One group got no hay until after 2 months, the other had access to good quality hay from 4 days of age. Otherwise conditions were identical.

At the end of the first two months, calves in the group getting no hay outweighed their hay-eating friends by more than 12½ pounds.

But the story doesn't end there. The "no hay" calves continued to gain on the other group and when the 4 months were up they averaged 17.78 lbs. heavier.

Wasting Feed on Wormy Pigs?

After all, there's no good reason for doing it. Pigtab Granules are no farther away than your Purina dealer's store.

Pigtab Granules are easy to give. Just mix with the regular grain and supplement ration. A single feeding does the job. That's all there is to it! You'll find directions on the convenient 10-dose can. Most folks like Pigtab Granules because there's "No catch, no hold, no cuss."

FREE!

New informative, colorful Purina booklets. Yours for the asking.

"3 EXTRA PIGS" BOOKLET

Explains how extra pigs may mean triple profits. Reports on farm-weaned litters that weighed twice as much as national average. Features unusual color pictures of pigs growing inside the sow.



PURINA POULTRY BOOK

One of the handiest booklets you'll find on farm-tested poultry management and feeding. Tells exactly "how to do it" for low cost, more profit opportunities. Complete sections on brooding, range operations, laying house management. 32 pages.



Simply write:

RALSTON PURINA COMPANY, Checkerboard Square, St. Louis 2, Mo. Ask for Pig Booklet (S2418E) and Poultry Book (1668).

Help 'Em Lay...or Take 'Em to Town!

THERE are about 36 million fewer layers in flocks today than the average of the last 10 years.

Fewer eggs went into cold storage this spring.

Eggs bought for storage cost more this year must bring more as they come out, or produce buyers will lose lots of money.

It will take 70 million dozen eggs just to supply this year's growth in population.

The above facts are important to flock-owners. They indicate egg prices are almost sure to go higher. They suggest that by having eggs to sell while prices are good flock-owners can make extra profits.

After weighing these facts smart poultrymen will want to do two things:

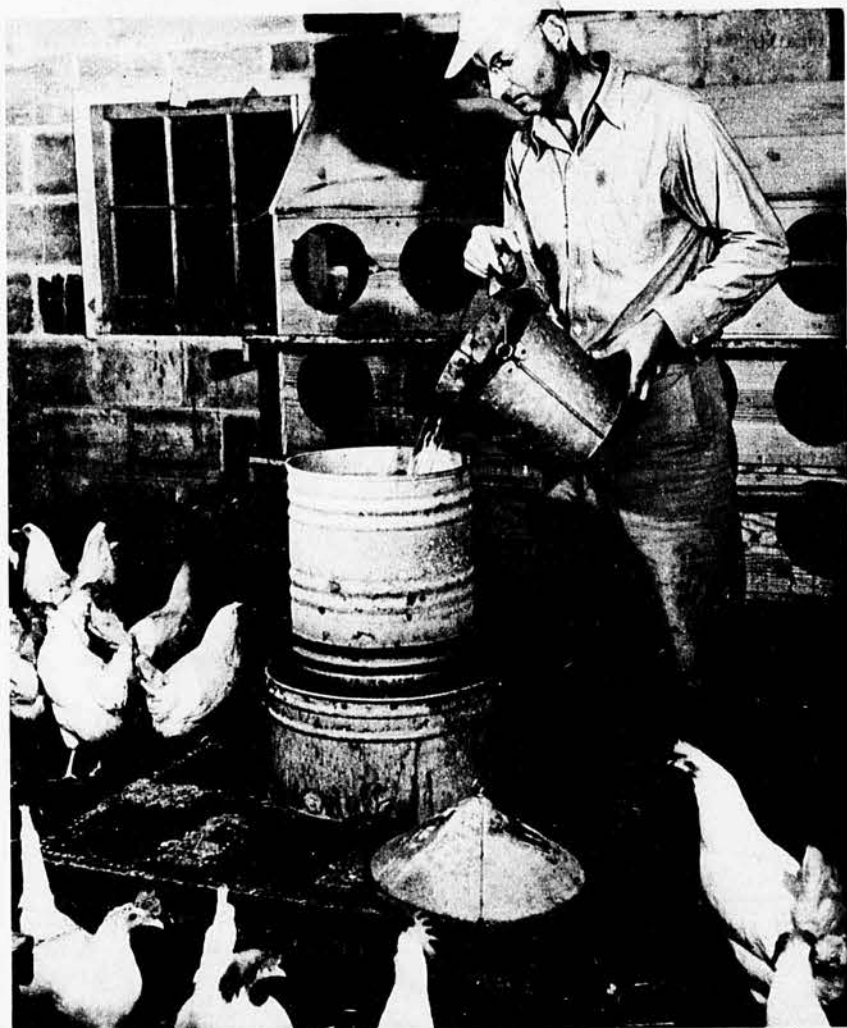
1. They'll want to cull every hen lacking ability to lay at a profit. Throughout the summer they'll want to cull any hens that go out of condition.

2. They will want to help good hens lay the eggs they are bred to lay. They realize many good hens are thrown out of condition by mistakes or carelessness in management. Hens that cannot be given good summer care should be sold before they go out of condition.

In early spring, while eggs are cheap, it's easy to keep hens laying. Early summer heat makes hens drowsy and dulls their appetites. Your course is to keep hens alert and to keep them eating. Those that won't respond should be sold promptly.

To accomplish these goals do these things:

1. Cull and sell broody hens at first offense. Occasionally a broody hen will return to profitable laying, but the feed they eat is usually



Without water there will be no eggs. Each hundred layers will need about 5 gallons of water per day. The handier it is for them to drink the more eggs they will lay.

worth more than the eggs they lay.

2. Hens can't lay without water. Keep cool, drinkable water in handy places. Hens like running water best.

3. In hot weather open air vents under the eaves on both north and south sides of house.

4. Use early morning lights to

encourage hens to eat while it is cool.

5. Noon feeding of Checkers is a proved practice for conditioning birds for fall and winter laying. Use the same plan in the summer. In addition to keeping your regular mash in hoppers, feed 6 pounds of Booster Checkers per 100 birds. You'll like the way they respond.

MAKE YOUR FARM OFF LIMITS FOR FLIES!

NO TWO WAYS about it—the fly control picture has been hard to keep up with the past few years. "Resistant" flies. Government regulations. Hot weather sprays. Cool weather sprays. All these items added to the confusion.

The job of developing a simple, effective, and economical spray program went to Purina researchers many months ago. What they came up with is so simple that we

can tell you about it in this small corner of the page.

Here it is:

For all farm buildings —
PURINA BUILDING SPRAY

For dairy cows —
PURINA DAIRY SPRAY

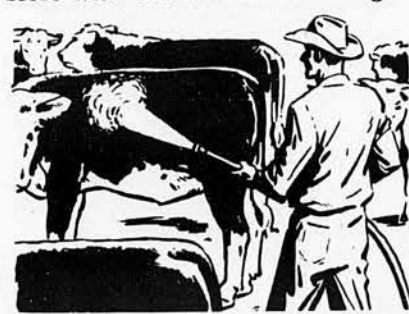
For all other livestock —
PURINA STOCK SPRAY

That's all there is to it. The new Purina Building Spray fills a big gap in all previous spray programs, because it's for all buildings including the dairy barn. Since it contains methoxychlor, this product knocks even those flies resistant to DDT or lindane alone. It's a killer in either hot or cool weather, too. A 4-lb. bag sprays a 20-cow milk barn.

For a quick kill when flies bother at milking time, you'll want Purina Dairy Spray. It's ready to use right out of the bottle, stays with cows

several hours after they've gone to pasture.

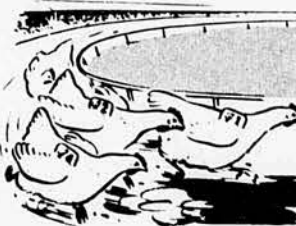
And when flies start taking gains away from beef cattle, Purina's Stock Spray gives protection. One quart of Purina's new Liquid Stock Spray mixed with 10 gallons of water protects 15 head of cattle for several weeks. Costs only about 6¢ per head. Large users may prefer Stock Spray Powder which, like all Purina products, is available at the store with the Checkerboard sign.





Take your feeding problems
to your friendly Purina Dealer

FIND YOUR PURINA DEALER LISTED HERE



CAN YOU PICK A WINNER?

Don't miss the fun that goes
with the nation-wide "Pulley
Derby," soon to start in thou-
sands of Purina dealer's stores.
Test your skill as a poultry
judge. See if you can pick the
winner in your community.



KANSAS

ABBEVILLE, The Farmers Grain Co., Inc.
ABILENE, Gordon Mark Elevator Co.
ALDEN, Farmers Coop. Assn.
ALMA, Schulte Produce
ANDALE, Andale Farmers Elevator
ANDOVER, L. S. Dack
ANTHONY, Thurman Hatchery
ARGONIA, Borkin Grain Co.
ARKANSAS CITY, Arbuckle's Hatchery & Fd. Co.
ASHLAND, Wallingford Elevator
ATCHISON, Berry Bros. Hatchery
ATTICA, Imperial Flour Mills Co.
AUGUSTA, Furlong Hatchery & Feed
BALDWIN, Hardy's Hatchery
BALDWIN, Hunt Farm Supply
BAXTER SPRINGS, Gaines Feed Store
BELLE PLAINE, Halls Produce & Feed
BELOIT, Jones Feed & Seed Co.
BLUE MOUND, Mulkey Produce
BONNER SPRINGS, Bonner Feed & Fuel Co.
BURLINGTON, Solsby's Feed & Seed Store
BURNS, Burns Feed Store
BURRTON, Hensley Oil & Feeds
CANEY, Halligan Feed & Produce
CANTON, Canton Grain Co.
CARBONDALE, Servis Grain Co., Inc.
CEDARVALE, L. C. Adam Mercantile Co.
CHANUTE, Farm Service Store
CHENEY, Ball Produce & Hatchery
CHERRYVALE, Cherryvale Grain Co.
CHETOPA, Kerns Grain Products Co.
CLAY CENTER, Gordon Mark Elevator
CLAYTON, Norris Grain Co.
CLEARWATER, Hugh R. Wilk
CLYDE, Dorcas's Hatchery
COFFEYVILLE, C. C. Feeders Supply
COLBY, Thomas County Grain Co.
COLDWATER, Wallingford Grain Corp.
COLUMBUS, Columbia Hatchery
COLWICH, Andale Farmers Elevator
CONWAY SPRINGS, Farmers Union Coop. Assn.
COTTONWOOD FALLS, Schoap Poultry & Egg Co.
COUNCIL GROVE, Scholes Feed Store
DELEVAN, Farmers Grain & Supply Co.
DENISON, Farmers Elevator
DESOTO, Goodrum Grain Co.
DODGE CITY, Casterline Grain & Seed, Inc.
DOWNEY, Dwight Feed Co.
EDGERTON, Edgerton Grain Co.
EDNA, Edna Produce
EL DORADO, The Home Grain Co., Inc.
ELK FALLS, O & B Oil Co.
ELKHART, Elkhart Coop. Equity Exchange
ELLIS, The Wheatland Elevator
EMPORIA, Peak Feed & Seed Co.
ESBON, Eskin Feed & Seed Co.
ESKRIDGE, Converse Farm Service Co.
EUREKA, C. T. Agrelus Feed Co.
FONTANA, Barnes Feed & Seed Store
FORD, Ford Cooperative Exchange
FT. SCOTT, Chas. Leist Feed & Seed Co.
FREDONIA, Cox Produce & Grain Co.
GARDEN CITY, Western Terminal
GARDNER, Gardner Grain Co.
GARLAND, Pfeiffer Produce
GARNETT, A. H. Fawkes & Sons
GAS CITY, Goodsell Hatchery
GIRARD, Potter's Hatchery
GLADE, Quanz Grain Co.
GOODLAND, Terminal Grain Co.
GREAT BEND, Barton County Hatchery
GREELEY, Rommelfanger Produce
GREENSBURG, Security Elevator Co.
GRENOLA, Gwinup's Produce
HALSTEAD, Farmers Coop. Grain & Merc. Co.
HAMMOND, Bruce General Mds.
HARPER, The Imperial Flour Mills Co.
HARVEYVILLE, Harveyville Grange Coop. Business Association
HAYS, Engel Hatchery
HAYSVILLE, Haysville Elevator & Supply Co.
HERINGTON, Continental Grain Co.
HIWATHA, Wolf Feed & Grain Co.
HIGHLAND, Moore Farm Supply

HILLSDALE, Fessenden Grain Co.
HOLTON, Farmers Union Coop. Assn.
HOPE, The Farmers Coop. Elev. & Sup. Co.
HUGOTON, Security Elevator Co.
HUMBOLDT, Humboldt Coop. Assn.
HUTCHINSON, Berry's Hatchery & Feed Store
HUTCHINSON, Orth's Feed & Seed Co.
HUTCHINSON, Salt City Hatchery
HUTCHINSON, Security Elevator Co. B.
INDEPENDENCE, Star Mill Co., Inc.
IOLA, Allen County Feed & Prod.
IONIA, Ionia Produce
JUNCTION CITY, Hart Bartlett Sturtevant Gr. Co.
KANOPOLIS, George Andrews
KANSAS CITY, Brougham Feed Co.
KANSAS CITY, Crawford Hatcheries
KANSAS CITY, Dyer & Co.
KANSAS CITY, Midwest Hatchery
KANSAS CITY, Precht Feed Store
KANSAS CITY, State Ave. Merc. Farm Store
KANSAS CITY, Frank Wells Feed Store
KANSAS CITY, KANS., Busch's Feed Store
KANSAS CITY, KANS., Precht's Feed & Seed, 740 Kansas Ave.
KANSAS CITY, KANS., Rockhill Market, 4710 Metropolitan
KENSINGTON, Levin Bros.
KINCAID, Dunlap Produce
KINGMAN, Goenner Hatchery
KIOWA, OK Coop. Grain & Mercantile Co.
LA CROSSE, Farmer's Union Coop. Merc. & Elev. Co.
LA CYGNE, Farmers Produce
LAKE CITY, The Adams Elevator
LANE, Gerlits Breeder Hatchery
LATHAM, Snyder Produce
LAWRENCE, Caldwell Hatchery
LAWRENCE, Douglas County Hatchery
LEAVENWORTH, Hibbs Farm Service
LEBANON, Independent Oil Co.
LEBO, Lebo Grain Co., Inc.
LENEXA, Jennings Feed & Coal Co.
LEOTI, Herb J. Barr & Sons Grain & Supply Co.
LIBERAL, Security Elevator Co.
LITTLE RIVER, Thompson Produce, Inc.
LOGAN, The Logan Grain Co.
LOUISBURG, Owens Feed & Produce
LYONS, Lyons Independent Produce
MAIZE, Maize Mills, Inc.
MANHATTAN, Johnmeyer Feed & Seed
MANKATO, Levin Bros.
MARION, Seymour Packing Co.
MARQUETTE, Rodney Milling Co.
MARYSVILLE, Muchow-Richter Impl. Co., Inc.

MAYETTA, Farmers Union Coop. Assn.
McLOUTH, McLoth Grain Co.
McPHERSON, Community Feed & Seed
MEADE, Friesen Grain Co.
MEDICINE LODGE, The Imperial Flour Mills Co.
MERRIAM, Merriam Feed Store
MERRIAM, Leland Wilson Hatchery
MICHIGAN VALLEY, Bulmer Grain Co.
MINNEAPOLIS, Golden Rule Hatchery
MINNEOLA, Minneola Coop. Exchange
MONTEZUMA, Security Elevator Co.
MONUMENT, Wheatland Elevator
MORAN, Monroak Produce
MORSE, Morse Grain Co.
MOUND CITY, Ward Produce
MOUNDVILLE, Moundridge Coop. Elev. Assn.
MT. HOPE, Independent Produce
MULVANE, Moore Grain Co.
MUNCIE, J. E. Puett
NEODESHA, Linn Grain Co.
NEWTON, Berry's Feed & Supply Store
NICKERSON, Farmers Coop. Elevator Co.
NORTON, N. L. Johnson Grain Co.
NORWICH, Goenner Hatchery
OAKLEY, Wheatland Elevator
OBERLIN, Earl C. Wilson & Sons
OLATHE, Farmers Coop. Union
OSAGE CITY, Lafferty Grain & Produce Co.
OSAWATOMIE, Osawatomie Feed & Produce Co.
OSBORNE, L. M. Newman
OSKALOOSA, Oskaloosa Feed Store
OSWEGO, Karns Grain Products Co.
OTTAWA, Ottawa Produce Co.
OVERLAND PARK, Jennings Feed & Coal
PAOLA, Washburn Hatchery
PARKER, Lockhart Station
PEABODY, Peabody Coop. Equity Exchange
PECK, Moore Grain, Inc.
PENALOSA, E. W. Tarrant
PERRY, Heck & Saylor
PIQUA, Niemann's Store
PITTSBURG, The Potter Hatcheries
PLEASANTON, Pleasanton Mill & Elevator Co.
PORTIS, Wolter's Lumber Co.
PRATT, Pratt Equity Exchange
PRETTY PRAIRIE, Security Elev. Co.
PROTECTION, Park Hatchery
RICHMOND, Farmers Home Coop. Merc. Society
SABETHA, Sabetha Coop. Produce Co.
SAFFORDVILLE, North Grain Co.
ST. FRANCIS, Roylston & Son
ST. MARYS, Farmers Union Coop. Assn.
SALINA, McMinn & Tanner Feed & Produce

SAVANAH, Savannah Feed Store
SCOTT CITY, Durrant Seed & Supply
SEDAN, Sedan Seed House
SEDGWICK, Behymers Sedgwick Hatchery
SEDGWICK, J. O. Coombs & Son
SEVERY, Arnold & Colyer
SHARON, The Imperial Flour Mills Co.
SHAWNEE, Shawnee Hatchery
SPRINGHILL, Springhill Grain Co.
STAFFORD, Stafford Hatchery
STANLEY, Boyd & Maelzer
STERLING, Farmers Coop. Union
STILWELL, Mosey & Son Feed Store
STOCKTON, Bouchey Grain Co.
SUMMERFIELD, Muchow-Richter
SYLVIA, Sylvia Coop. Assn.
THAYER, Potter Locker and Feed Store
TONGANOXIE, Trosper's Feed Store
TOPEKA, Emery T. Shimer Feeds & Seeds
TOPEKA, J. R. Shimer
TRIBUNE, Tribune Grain Co.
TROY, Winzer Hdwe.
TURON, Turon Hatchery
VALLEY CENTER, Valley Center Farmers Elevator Co.
VALLEY FALLS, Reichart Elevator
VIRGIL, Virgil Feed & Coal
WAKEFELT, The Wheatland Elevator
WATERVILLE, Wagon Produce
WATHENA, Wathena Hatchery
WATHERLY, J. R. Baxter Produce
WELLINGTON, Newell's Feed Store
WELLSVILLE, Averill Produce
WHITE CITY, White City Grain Co.
WHITEWATER, Whitewater Hatchery
WICHITA, C. Ball Feed Co.
WICHITA, Hillside Feed & Seed Store
WICHITA, Berry's Hatchery & Feed Store
WICHITA, Kellogg Brothers Feed & Seed
WICHITA, Maxwell Feed & Hatchery
WICHITA, Warty Grain & Feed Co.
WILLIAMSBURG, Williamsburg Produce
WILSEY, F. S. Regel
WINFIELD, Wallace Feed Store
WINONA, Wheatland Elevator
WOODBINE, Reed's Store
YATES CENTER, Yates Center Elevator Co.
ZARAH, Zarah Grain & Elev.
ZENITH, The Goenner Hatchery
ZENITH, The Zenith Cooperative Grain Co.



Wes Seyler comes
by his farm
broadcasts nat-
urally. He's a
native of Kansas
and for a number
of years was Vo-
Ag teacher. He
came to the
WIBW microphone three years ago
and has become a good friend to
farmers throughout the state.



WES SEYLER

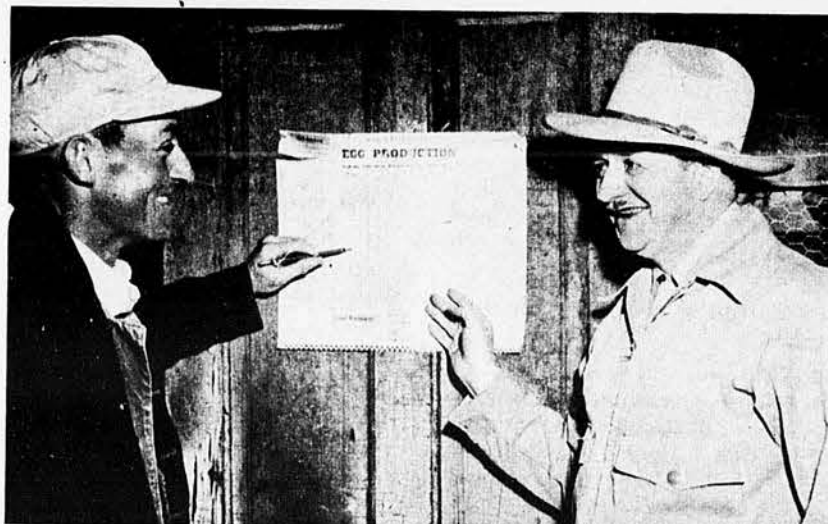
He travels to many parts of the
country to gather information and
to keep in touch with the day-by-
day activity of Kansas farmers.

Some of the programs featuring
Wes Seyler are sponsored by Pur-
ina dealers, including noon markets
every day, Monday through Satur-
day at 12:20 p.m.

Purina dealers also serve farm
listeners with information type
programs on:

KXXX, Colby Ed Mason's Mar-
ket Report, Monday through Friday,
12:45 p.m.

KFH, Wichita - Markets with
Bruce Behymer, every Monday,
Wednesday and Friday at 12:45 p.m.



S. L. Shirck of Waterville and V. I.
Wagor, Purina dealer in Waterville, are
mighty happy. And they have reason
to be. Mr. and Mrs. Shirck's flock of
hens averaged 75% production last

year during the fall months when egg
prices were highest. "If you feed a good
feed like Purina and follow a careful
sanitation program you can make
money," Mrs. Shirck said.

CALAMITY CAL ...



... by ed smyth & bill sims



Dwight Hull SAYS . . .

Do You Favor a Year-around "Set-aside?"

THERE ARE encouraging signs indicating the dairy industry is waking up to the immediate importance of a strong national advertising program for dairy products.

At the recent national meeting of the American Dairy Association (ADA), it was voted unanimously to support a year-around "set-aside" to promote sale of dairy products. This, of course, does not mean we will immediately have such a program, as this is just a first step and much work remains to be done. As I understand, there will be no change in ADA policy until 90 days after 20 states, or states representing 60 per cent of the milk production, adopt a 12-month "set-aside" at the rate of 2 cents a hundred-weight or 1/2 cent a pound of butterfat. It is my understanding Connecticut, Wisconsin and Missouri already have officially declared their support to such a program. What will Kansas do?

Ready for Program

I have some evidence upon which to base my belief Kansas dairymen are ready to support such a program. I recently sent a questionnaire to about 100 dairymen and found 66 per cent of those answering were in favor of a 12-month "set-aside" and only 16 per cent opposed. The rest were undecided.

One answered: "Yes, if the law is passed," which made me wonder how many there might be who had the idea there is or could be such a law. The program is entirely voluntary. That is why it is so necessary that every dairyman understand thoroly what the money is used for, and what benefits can be derived from such a program.

Since it is voluntary, it places responsibility on the individual dairyman to help see that the program is put into operation. Perhaps this is one reason we have waited until our markets are being seriously threatened by milk substitutes before we start doing something about it. Whatever the reason, in my opinion, the time has come when dairy products should be sold to the public by using all possible means of advertising. There is so much competition for the consumer's dollar the portion any product receives out of the consumer dollar is in direct proportion to how well it is advertised and sold.

Another person said he was not in favor of the monthly "check-off" for a national advertising program, because he felt each large city should do its own special advertising in its own trade area. This same point of view is held by some others with whom I have talked and who, by the way, are in position to exercise a good deal of influence either for or against such a program.

We think the sales program conducted in some large cities is very good and not only should be continued but expanded. However, why stop there? Towns, villages and even farmers need to realize more fully how very important milk products are in our daily diet in maintaining good health and building resistance against disease. Not only important, but it has been proved scientifically you get more real nourishing food for less money from milk than you can get from any other food.

What makes a successful program?

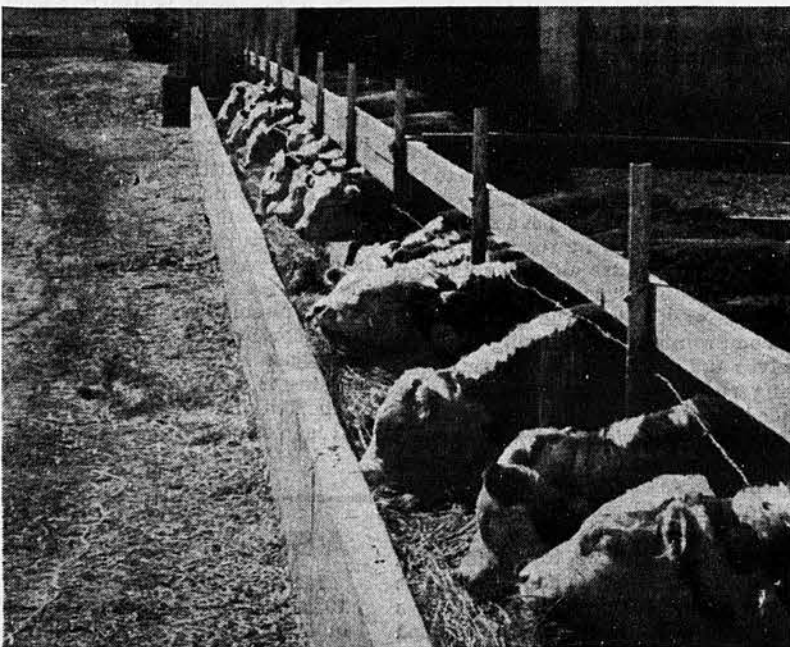
It requires co-operation of processors, cream buyers or all handlers of milk and the dairymen to get this program in operation. For the most part the handlers of milk and cream are willing to make the "check-off," that is collect the money, whenever they feel dairymen are in favor of it. Therefore, each dairyman should discuss this program with his handler so his position may be known. Handlers not willing to co-operate have not been sold on the value of a sales program.

What Will Be Needed

For Kansas to officially adopt this program it will be necessary that a majority of Kansas dairy organizations and processors favor the plan. Also, officially recommend that Kansas be counted on to do its part in getting a sales program started that will mean an ever-growing market for dairy products.

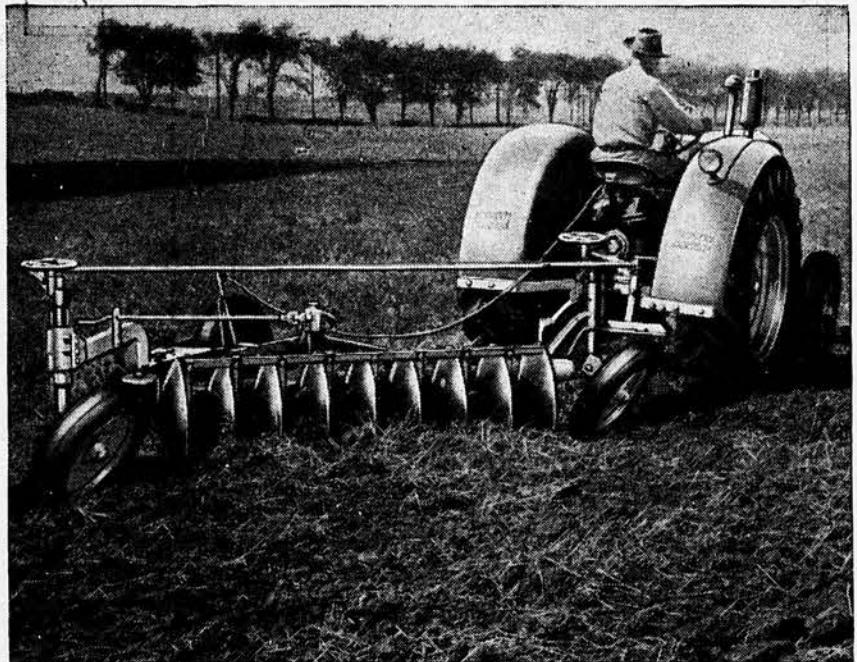
Why shouldn't Kansas be among the first to adopt this program! Let's not wait, but do our part in seeing that Kansas is among the leaders. A complete discussion of this program by dairymen is very desirable and necessary at this time. We would be very happy to have readers of this article write us their ideas and opinions regarding such a program.

FEED BUNKS IN GOOD LOCATION



FENCE-LINE BUNKS have been used on Elmer Johnson Hereford ranch, Saline county, 4 or 5 years with great success. Silage from silo in rear of this picture and hay from pile to left of picture can be fed without entering lots or disturbing cattle.

Build up soil save moisture



Massey-Harris One-Way Disc with ROTO LIFT REDUCES BLOWING STOPS EROSION

WITH a Massey-Harris One Way you prepare moisture-saving seedbeds . . . put nutrients back into the soil . . . hold down erosion with uniformly mulched soil. It's the ideal tillage tool for hard, lumpy soil . . . sticky, hard-to-scour land.

Wherever you put the Massey-Harris One Way to work you can be sure of efficient tillage in your particular soil. Blades turn easier on heavy, chilled bearings. They're raised and lowered with Roto-Lift — in and out of the ground in just 40 inches of travel. Power controlled to eliminate banging and bouncing, blades stay sharp longer, cut cleaner. They have the right "dish" to assure proper mixing and covering.

You adjust cutting angle quickly to suit power and field conditions perfectly. And with the floating, flexible hitch

Massey-Harris One Ways follow the tractor accurately — make either right or left turns . . . pull easier because line of draft is automatic.

Heavy-duty frame design, easy depth and leveling adjustment, roller-bearings on land and furrow wheels, automatic stone jumpers are other advantages that give you more dollar value, longer life, more efficient operation.

Two Models: 509 with 9-inch spacing and 510 with 10-inch spacing. Both have hydraulically or mechanically controlled Roto-Lift. Grain box available for 509. Variety of blade sizes.

See your Massey-Harris dealer for detailed specifications . . . get the complete facts. For free folder by mail write The Massey-Harris Co., Quality Ave., Dept. E-75, Racine, Wis.

Make it a Massey-Harris

Parts and Service through more than 2500 authorized dealers



Symbol of Quality

Diamond Top

Tongue-Lock CONCRETE STAVE

SILOS

QUALITY

... in production
... in erection

McPHERSON
Concrete Products Co.
904 W. Euclid St. McPherson, Kansas



HK REMOVABLE UNLOADER

UNLOAD 20 BU. IN 1 MINUTE

One man does the job from tractor seat. Unloads whole or ground grain. Fills granaries and feeders faster. P. T. O. operated. Fits any 32" flare box. Write for free literature.

HOTCHKISS
STEEL PRODUCTS CO.
Dept. G-F, Bradford, Ill.



• If you're interested in lowering your farming costs and increasing work output, send for this new, illustrated booklet on "Power Farming with 'Caterpillar' Diesel Farm Tractors." There's no obligation, just mail the coupon below to . . .

Your CATERPILLAR Farm Dealer

MARTIN
TRACTOR COMPANY

3200 Topeka Ave., Topeka

Branch Stores: Chanute, Concordia

Martin Tractor Company
3200 Topeka Ave., Topeka

Please send me the free booklet on "Power Farming." I

farm _____ acres and my principal crop is _____

If you are a student, check here ☐

Name _____

Address _____

State _____



STOP LIFTING HEAVY MILK CANS!

Take the Misery Out of Milking with the

T-33

MILK REFRIGERATOR

Four can model is illustrated. Sizes available up to 16 can capacity. Accommodates both 10-gallon and 8-gallon cans.

You just slide empty cans in the front of a T-33...pour milk in from the top...remove full cans with no lifting. Water as cold as water can get sprays sides of cans...starts cooling milk instantly as they fill. The T-33 saves you work, keeps milk higher grade, gives you more cash milk money...yet costs very little, quickly pays for itself. Start right now to save your back, fatten your billfold. Write today for full information.

ZERO MANUFACTURING CO. 608-E DUNCAN, WASHINGTON, MISSOURI

Planned Every Detail Before They Built

(Continued from Page 1)



JIMMY TRAPP puts toy back in storage seat provided in bedroom he shares with his brother Johnny. Seat also can be used for storing bedding.

moved onto this farm to live in 1940.

There never was enough water where the old farmstead was located, and there were other faults to the location the Trapps wanted to overcome. They looked around on the farm and found what they thought would be a much better setup. It is about ½ mile north and across the road from the old farmstead.

"We first drilled a well to make sure we had an adequate water supply," said Mr. Trapp. "Then, when we found we did have, we put out a windbreak north of the farmstead site. The well was drilled in 1949 and we put out the windbreak that same spring."

But, before they built anything, they called in Kansas State College Extension service to help in planning. "We wanted their help," said Mr. Trapp, "in planning the house and the farmstead and landscaping."

Made Several Changes

Here is how the Trapps proceeded on their new home. They found a floor plan at Kansas State College that was as near as they could find to what they had in mind. They made several changes in this floor plan and then consulted a good architect, who made still more changes in the original plan and drew up the actual house plans. "We did not have him supervise construction," said the Trapps.

They first had to decide what special features they wanted. They have 2 boys, John 9, and James 6. "Mrs. Trapp and I agreed," he recalls, "we both wanted a utility room on the ground floor so she could do the heavier work without climbing stairs." This was accomplished by widening a back hallway so it could be used as a utility room, wash-up area for the men, frozen food storage, a storage place for work clothing and provide an entrance to the kitchen, basement and attic.

A fireplace built of native stone was a "must" for the living room. "We also wanted a den to use as a combination library and office," said Mr. Trapp. "We couldn't work it into the plan we had so compromised by putting built-in shelves and a desk in one corner of the living room, off one side of the fireplace."

It also was decided the 2 boys were to have one large room with twin beds rather than separate rooms. Along one wall of this bedroom is a bench seat with a top that can be raised. This long area can be used for toys and extra storage for bedding. It has worked out very well so far. By putting the 2 boys together a third bedroom can be used as a guest room. All bedrooms are separated from the rest of the house by a hallway.

Mrs. Trapp wanted a U-type kitchen with an eating area adjoining and sep-

arate from the dining room. By putting her stove at right angles to the cabinets and enclosing it on the back and outside end with wood paneling, she has a serving bar between the kitchen and eating nook.

Original plans called for a stairway leading from kitchen to an attic area that could be finished later, if needed. The Trapps didn't want the kitchen wall space broken up for a door that seldom would be used. Thru consultation with the architect they finally found they could put a disappearing stairway over the basement steps and use the same landing for both stairways.

Wanted Large Basement

Altho they have a first-floor utility room, they wanted a large basement and consider this a valuable space for family living. They have a large recreation area, a room and bath for the hired man, storage space for fruit and things that can't be put anywhere else, and a space for the furnace and hot water heater. Propane gas is used for heat.

A double fireplace is enjoyed. The one in the living room has imitation logs and burns gas. The one in the basement recreation room burns wood.

A yard landscaping plan was designed by Kansas State College Extension service and is now in process of being completed.

Only one building other than the house has been started to date. A machinery shed, Mr. Trapp felt, was his first need, and it is nearly completed. This building sits just to the west of the house and will be the nearest out-building.

"We want to build a loafing barn for the cattle next," said Mr. Trapp, "and have picked a tentative location to the west and a little south of the house. This is not considered an ideal location due to prevailing winds. However, our cattle program is such the cattle will be out on pasture anyway during summer."

Also planned is a new poultry laying house northwest of the home. "We don't know just when we will get around to building it, however," said Mr. Trapp.

The Trapp house was started in 1950 and is just now being completed. The

(Continued on Page 27)

A Buyer's Guide

Massey-Harris Company has its 1953 Buyer's Guide out now—it's in 4 colors, has 48 pages about farm machines and implements. For a free copy, write Farm Service Editor, *Kansas Farmer*, Topeka, Kan.

family moved in during December, 1951, and much of the inside work has had to be done since.

Altho most of the plan changes made in the new home have been highly satisfactory, there is one change on which they do not entirely agree. The front bedroom, according to original plans, had windows on east and north sides only. Mrs. Trapp wanted windows on the south, too, for cross ventilation, so they were added. Addition of the windows has made furniture arrangement in the room more difficult but the room will be cooler in summer. In home planning you often have to make a decision that means sacrificing something at one point to gain something at another.

The Trapp farm consists of 1,700 acres, with 651 acres in cultivation. A

Hereford cow herd of about 100 cows is kept for raising quality feeder calves.

It is interesting, note the Trapps, to see the reaction of their town friends, and even some of their farm friends, to their new home. Several who have visited them have remarked: "My, this house would sure be worth a lot of money in town."

"We fully realize," the Trapps say, "that from a resale standpoint our home would be worth more money on the market if it was in town. But this is to be our permanent home. We think the farm home is more important to the farm family than a town home is to the town family. We spend more time in it and it is the headquarters for our business as well as our family and social life."

To Prevent Polio, Disease of Mystery

By CHARLES H. LERRIGO, M. D.

PREVENTION of infantile paralysis is so important I am revising my special letter to give some information about gamma globulin, also the good outlook for an effective preventive vaccine that is not yet perfected but should be ready for next year.

This newest and most hopeful outlook in polio prevention comes from an extensive report made by Dr. Jonas E. Salk, a research professor of bacteriology at the celebrated University of Pittsburgh School of Medicine. Still a young man, not having reached his 40th birthday, Doctor Salk is recognized for his great success with preventive vaccines that conquer disease by supplying artificial immunity to the individual. He points out that poliomyelitis is not a single disease, since it may be caused by any one of 3 different viruses. The vaccine that will really give immunity to polio must take into consideration these different types.

In summarizing his report, Doctor Salk makes this statement: "Altho results obtained in these studies can be regarded as encouraging, they should not be interpreted to indicate that a practical vaccine is now at hand."

Polio is a disease of mystery. It's been known since ancient times, but only as a "sporadic" disease (one that could be overlooked because it comes only by fits and starts).

When I began the practice of medicine in 1900, diphtheria was the great killer of children—sweeping away whole families. But a remedy was found in the first decade of this century, and now diphtheria is seldom seen by the

average medical doctor. In like manner we hope to prevent polio.

We must give credit to the National Foundation for Infantile Paralysis for gains they have made in finding the nature of polio, the wisest measures to deal with it, and for raising money that not only allows extensive research but permits the foundation to bear the actual expense of treatment in deserving and extreme cases.

Researches made in the polio epidemics of 1951-52 showed the preventive possibilities of gamma globulin. Anticipating possible epidemics in 1953, doctors realize the supply of gamma globulin may run far short of the need, since there are millions of children and young adults unprotected. Distribution of the available supply will be guarded by the Office of Defense Mobilization (ODM), a governmental agency, making their arrangements thru state health officers where danger threatens.

Many Kansas Farmer readers, including teachers, parents, and other guardians of child health, now looking ahead to the summer of 1953 are perhaps counting upon protection by gamma globulin, even tho it is only temporary. Your physician and local health officer are your first helpers.

My special letter, "Hints About Infantile Paralysis," goes into this matter in greater detail. Readers desiring a copy please make request to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kan., being sure to enclose self-addressed and stamped envelope for reply. No copies can be sent unless the stamped envelope is received.

GRANDMA By Charles Kuhn



Every bucket of water this farmer carries costs him money! Instead of spending his time at profitable work, he wastes many hours each year traveling from the pump to the stock tank and brooder house. Running water, supplied by a Dempster Electric Water System, could do this hard work for him—and pay for its cost at the same time!

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Kansas Farm Home and Family

By FLORENCE MCKINNEY



Picture courtesy Cereal Institute

APRICOTS, PRUNES OR FIGS add glamour and appeal to ordinary bran muffins.

For Spring... RECIPES NEW AND TASTY

FRUITS add new appeal to ordinary bran muffins. For spring, you may well turn away from the traditional kind and dress them with cooked prunes, apricots or figs. Take your choice.

Fruited Bran Muffins

- | | |
|-------------------------------------|------------------------------------------------------|
| 1 1/4 cups sifted all-purpose flour | 1/2 cup chopped cooked fruit, prunes, apricots, figs |
| 2 tablespoons sugar | 2 or 3 cooked prunes, apricot halves or figs |
| 3 teaspoons salt | Honey |
| 1 cup bran flakes | |
| 1 egg, beaten | |
| 1/2 cup milk | |
| 3 tablespoons melted fat | |

Sift together flour, sugar, baking powder and salt. Add bran flakes and blend. Combine egg and milk and add. Add melted fat. Add 1/2 cup chopped, well-drained fruit. Fill greased muffin pans about 3/4 full. Quarter remaining fruit. Press a quarter lightly into top of each muffin. Bake in hot oven (400°) 20 to 25 minutes. Brush with honey for last 5 minutes of baking. Makes from 9 to 12 medium-sized muffins. (When using fruit which has been in a sirup, be sure to have it well-drained, otherwise muffins will be too moist.)

Scalloped Potatoes and Sausage

- | | |
|----------------------------|---------------------|
| 6 sausage patties | 3 tablespoons flour |
| 3 cups sliced raw potatoes | 1 teaspoon salt |
| | 2 cups milk |

Dash pepper

Brown sausage patties and cook until about half done, pour off the fat. Scald the milk. Arrange half the sliced potatoes in buttered casserole and sprinkle with flour, salt and pepper. Add remainder of potatoes and cover with hot milk. Top with sausage patties. Bake in moderate oven (325°) for 1 hour or until potatoes are done. Makes about 6 servings.

Lemon Parfait Pie

- | | |
|------------------------------|----------------------------------|
| 1 package lemon gelatin | 3 tablespoons lemon juice |
| 1 1/4 cups hot water | 1 pint vanilla ice cream |
| 1 teaspoon grated lemon rind | 1 baked 8-inch pie shell, cooled |

Dissolve gelatin in hot water in a 2-quart saucepan. Add lemon rind and juice. Add ice cream by spoonfuls and stir until melted. Chill until thickened, but not set (25 to 30 minutes). Turn into the pie shell and chill until firm (20

to 25 minutes). Garnish with whipped cream and sprinkle with additional grated lemon rind. Makes 6 servings.

Coconut-Pumpkin Chiffon Tarts

- | | |
|-----------------------------------|------------------------------------------------|
| 1 package unflavored gelatin | 1/2 teaspoon each of salt, nutmeg and cinnamon |
| 1/2 cup cold water | 1/4 teaspoon ginger |
| 2 eggs, separated | 1 cup shredded coconut, toasted |
| 1 cup evaporated milk | 8 baked tart shells |
| 1 1/4 cups mashed, cooked pumpkin | 1/3 cup cream, whipped and sweetened |
| 3/4 cup brown sugar | |

Soften gelatin in cold water. Put egg yolk in top of double boiler, add evaporated milk and beat until blended. Stir in pumpkin and 1/2 cup of brown sugar, salt and spices. Cook over boiling water 10 minutes, stirring constantly. Remove from heat. Add gelatin and stir until dissolved. Chill until slightly thickened. Beat egg whites until stiff, but not dry; add remaining sugar gradually and continue beating. Fold pumpkin mixture into egg whites with 3/4 cup of toasted coconut. Fill tart shells and chill until firm. To serve, top with whipped cream and remaining coconut. Makes 8 servings.

Copper Tooling Is Her Hobby She Shares Her Skill With Others

MRS. PASCAL RONIGER'S hobby fits her way of life, that of a ranch woman in Chase county. She turned her earlier acquired training and skill in copper tooling not only to the decoration of her ranch home, but to teach the craft to many other women in the county.

Copper-tooled pictures adorn the walls of her home, one end of the wood-box by the fireplace, the front of a magazine rack. With the exception of 1 or 2 pictures, all are designs depicting aspects of ranch life. There are Angus and Hereford heads, a covered wagon train and various cattle brands. Mrs. Roniger suggests that her designs go equally well on trays and lampshades.

living room furniture was made within the last 2 years from walnut cut and cured by Mr. Roniger's father 37 years ago. Cutting the boards and gluing was her husband's job, the wood finishing hers.

Last year she was president of the Hymer home demonstration unit and this year she is serving as reporter. She's also president of the Community Club and she and Mr. Roniger belong to a square dance club.

Cattle heads in copper are in keeping with the ranch house atmosphere. Other ranchers think so too, for recently she sold one to an Angus breeder in Colorado, she is making one now for an Oklahoman and one for a breeder in Indiana.

KANSAS FARMER STORY WINS PRIZE FOR WRITER

"To Each, His Own Choice" is the name of the story which won first prize in the magazine feature class for Zelia French, in the 1952 Kansas Press Women's writer's contest. This story appeared as the main feature in the Home Department of *Kansas Farmer* in February, 1952. Miss French is Extension librarian for the Kansas Traveling Libraries Commission in Topeka.

Readers may remember her story about early reading experiences at home, followed by accounts of experiences as a children's librarian.

First, she draws the Angus or Hereford head or whatever design on paper, then transfers it to the copper sheeting. Then comes the slow, delicate process of stretching copper in sheet form from the back side with thumbs and fingers or the back of a spoon to produce the picture in relief. To darken the design and create light and shadow, she uses acid. Occasionally, she uses a special metallic paint to create colorful effects.

She has shared her talent and skill with a considerable number of her neighbors and Extension friends. Already she has completed lessons at Cedar Point and Clements. On April 24, she taught the handcraft to those attending the Chase County Hobby Day. She has given one lesson to the Elmdale Study Club.

Leather tooling has occupied some of her time and she has made belts for men with their cattle brands imprinted on the leather. Right now she is completing the design for a large swinging sign which will tell all who pass down the Diamond Creek Road that the P. A. Ronigers live within. In addition to the family name, it will include an Angus head, the double R brand with the name "Black Diamond Farm."

The young Ronigers have entirely remodeled and refurnished the old family

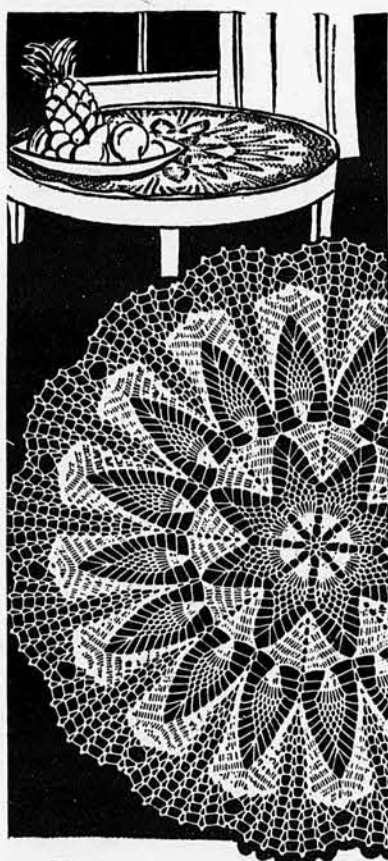
For Your Iron

To clean the sole plate while the iron is hot, rub it back and forth over dry salt on a sheet of paper. When the iron is cool, starch may be removed by rubbing with very fine steel wool or mild scouring powder on a damp cloth. On a hot iron, steel wool or damp cloth becomes too hot to handle and scouring powder sticks.

A little paraffin applied to a hot iron plate during the ironing of starched clothes protects against sticking starch. But once the starch has scorched on, paraffin will not remove it. If your sole plate has scratches and dents, a new one is the answer.

These tips will mean better ironing.

Make a Set



713

A snowflake on the window inspired this dainty pineapple and V-stitch design. Fast crochet that even a beginner can do with ease. Make a pair or a set. Pattern 713 includes doilies 13 and 19 inches wide in No. 30 cotton.

Pattern is 25 cents. Five cents more for first-class mailing. Address Needlework Editor, *Kansas Farmer*, Topeka.

For Spring Entertainment

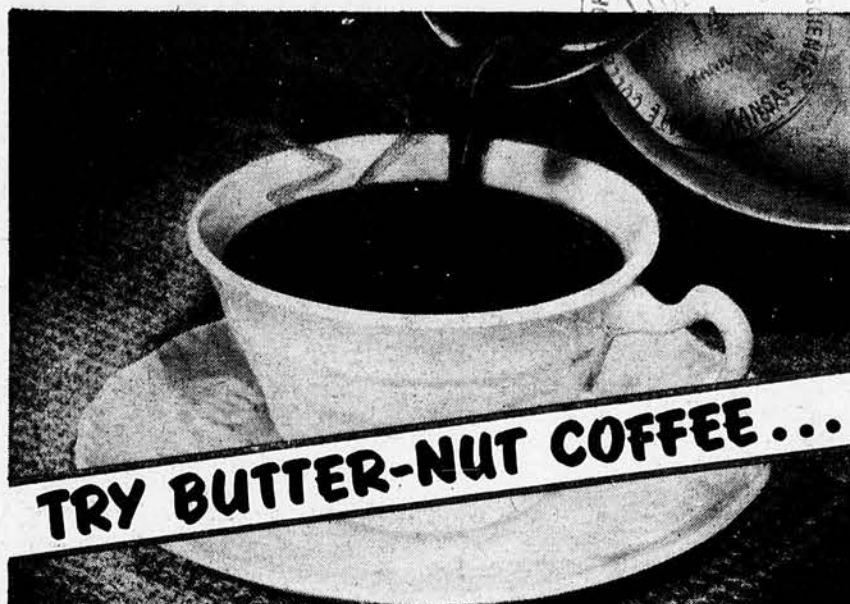
We can recommend the following game and play leaflets for fun in your school, church, club or community. They may be ordered from Farm Service Editor, *Kansas Farmer*, Topeka, Kan.

Plays for Club or School—10c. 3 plays in 1 leaflet. "At the Hamburger Stand," by 3 characters; Majoreess Bow-wow's Amateur Hour," 10 characters; "An Old Maid's Club Meeting," 8 characters.

"Keys to Happiness," playlet—5c. Suitable for Sunday school classes. Requires 7 young folks and 1 adult.

"Over the Garden Fence"—5c. Playlet written in poetry. Two women characters, simple stage scenery. Suitable for community, club or girl's Sunday school class.

home built in 1867 since their return 2 years ago. It's a landmark not only in the community, but in the Flint Hills area. Above the fireplace are 5 rifles, 2 of which were carried by a great-grandfather in the Civil War. All the



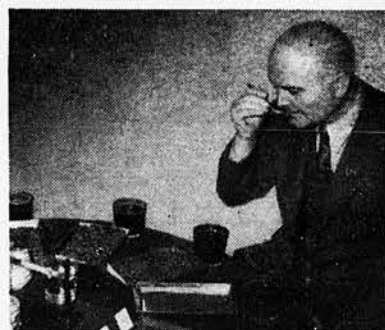
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Here is Tom Prettyman, Butter-Nut's Vice Pres. in charge of production and quality control. His staff spends hours tasting coffee. It's the secret of how Butter-Nut's 48 coffee mix is controlled to maintain "Perfect Flavor in Every Pound!"



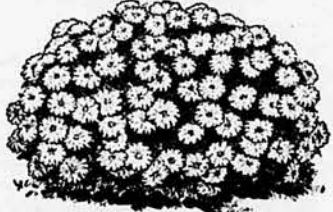
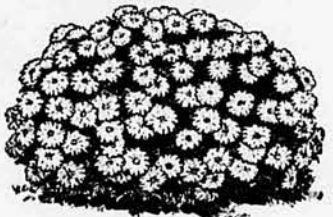
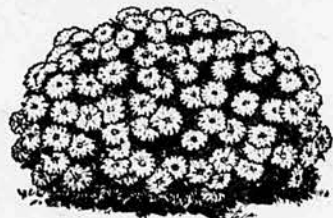
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KNOW YOUR BIRDS . . .

By L. B. CARSON

The Cardinal (Red Bird)

*With brilliant coat and whistled song,
He never cares, when days grow long,
For he is busy spreading cheer
To his little partner, nesting near.*

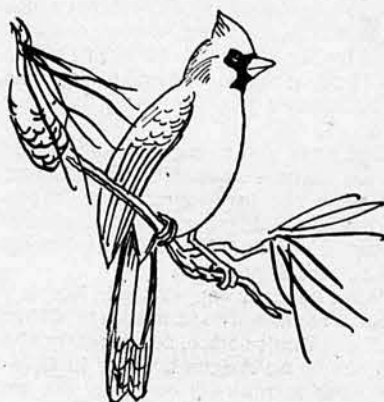
TO MOST folks, he is a red bird and why not? Under either name, he is one bird that is easily identified and loved by everyone. He adds a touch of color to the drabness of a winter day and beauty to a summer scene. Like Christmas balls, these birds often decorate the limbs of pine trees and when snow is falling, there you have the original Christmas tree.

The mate while not so colorful, is still a beautiful bird and her beak, tuft and wings leave little doubt as to her family connection. Her plumage offers more protection to the nest which they carefully have hidden in some bushy thicket or tangle of vines. The 3 or 4 eggs are white or greenish, variably spotted with reddish brown. Two broods are usually raised; the male caring for the first brood, while the hen brings on the next offspring.

Cardinals seem very devoted and often travel in pairs or loose flocks even in winter. Any area which will provide protection, whether swamps, parks, woodland borders or near your home is readily adopted by this permanent resident. Sunflower, squash or melon seeds will bring these birds to your feeding station with regularity, and they will be first in the morning and last at night to partake of your offering. Their thanks may be either a chip note or a whistled song but you know they enjoy their meal by the way they crack seeds in their sturdy bills. They come by the name "grosbeak" (large bill) naturally, for they are well-equipped to handle seeds and often remind you of a small boy cracking pecans in his teeth. The dentist never told this bird he was not supposed to do that.

The cardinal has broadened his range until now he can be found in locations much farther north than formerly. Eastern Colorado is about his western limit, while a few have been introduced into California where they have adapted themselves to their new surroundings.

Young cardinals are much like the female in color or perhaps a little darker, but males among them soon assume the brilliant plumage of their father, black-



face included. The crest, heavy bill and black face of the male and the fact he is a larger bird, sets him apart from the summer tanager which is all red, and the scarlet tanager which if anything is more brilliant but has black wings.

The cardinal formerly was quite popular as a cage bird and until women learned better, might have been found as a part of the decorations on many an

Things severed with the tongue are the most difficult to mend.

Easter bonnet. This is no longer true, for our laws protect them from both caging and slaughter for the millinery trade. Most people prefer to see them in their natural homes and the birds like it much better that way.

Young cardinals are fed quantities of small insect larva until they are able to digest the seeds which form a major portion of this bird's food. Some fruit is eaten in season but the wild varieties are preferred such as mulberries, wild grapes and wild cherries. Insects, while not the favorite food, are never safe while cardinals are around. That heavy bill works equally well on either a beetle or a seed and food is food to a bird.

Cardinals are not as timid as some birds and will defend their place on the feeder until some larger bird such as a blue jay or pigeon drops in for a snack. Nesting territory is defended against all others of the same breed. Cardinals often fight their reflections in mirrors, windows or hub caps which shows how zealous they are in protecting their territory. The worst thing about a reflection is that it always fights back. But you can't blame a cardinal for thinking he sees another bird . . . his home is not equipped with a mirror.

The Readers Want to Know

I have just read your articles about the birds. We have wrens by the dozen. I would like to know if there is any way to get cardinals (red birds) to build close to the house. We have lots of them, but none build near the house. Down the road a few feet they live in flocks in the timber. What kind of food do they like? I would love to feed them in winter and get them to live nearer the house.—W. Sammetinger.

Cardinals like seclusion when they nest. Rambler roses, dogwood thickets, vines or leafy grape arbors will attract them. Their choice food is sunflower seeds or melon seeds are eaten readily. Any sort of feeder where you see them thru the window is fine, or they will feed off the ground or snow. They like to eat under some sort of bush where they can make a quick escape if necessary.

You probably have at least 3 kinds of wrens, since you are near timber. In your area the Bewick's and Carolina wrens both spend the winter. They are joined in summer by the western house

wren. If you build a wren house, remember the Carolina is a little larger and will require a slightly larger opening.

I am a Brownie Scout leader and we are starting the study of birds. Your articles on birds are just what we need. What I want to know is how I can get the rest of the series as quickly as possible. We would like the girls to recognize any bird they might see on hikes.—Mrs. J. H. Siebert.

Since it is impossible to send you a complete series of "Know Your Birds" in advance, I suggest you get a copy of Peterson's "A Field Guide to Western Birds." The National Audubon Society, 1130 Fifth Avenue, New York 28, N. Y., has a very good program for Junior Audubon members, which is inexpensive and just the thing for Brownie Scouts. The book may be obtained from them, also. When writing to the Audubon Society, tell them in what part of the state you live.

I see you are offering readers a leaflet on how to make wren houses. Here are 3 cents in payment for one. If you have a book on bird houses for other birds, I would love to have it.—Sarah Michaelis.

Write to the National Audubon Society, 1130 Fifth Avenue, New York 28, N. Y., for a copy of "Bird Houses," by Roger Tory Peterson. This costs 10 cents a copy, and gives a great deal of information on building different bird houses.

Proud of Birdhouse

Dear Editor: Our son, age 7, has made a birdhouse according to directions in your leaflet and is very proud of it. We like your magazine very much—especially the extra services you offer. We like your bird articles very much, too.—Mrs. Kenneth Hodges, Lyon county.

After reading the new columns "Know Your Birds," in Kansas Farmer, I would like to ask for some information. Early last fall we noticed a pair of birds and they stayed all winter but evidently have just left, as I have not seen them for 3 weeks. The description I have of the mountain chickadee answers fairly well as the birds run up and down the trees, loved to run along the underside of limbs, were not afraid of humans and stayed around near the house.

But they were real song birds, the song much like a wren, but at times more like a canary. Their color was slate gray with black over the head and down the throat with just a little white at the sides of the head. They were only a little larger than the wrens. Can you help me identify them?

Are there available leaflets, suitable for 4-H Club work about conservation of birds and other wild life?—Zoe Klady.

The birds to which you refer were no doubt chickadees for they are the only small bird with black cap, black bib and white cheeks. The sub-species in your area would be a black-capped chickadee. The mountain chickadee is slightly larger and has the black cap broken by a white line over each eye. He can be found in the mountains from Canada to West Texas, New Mexico, Arizona and southern California, except along the humid coast belt.

The black-capped chickadee's notes are a clearly enunciated "chick-a-dee-dee-dee" or sometimes "dee-dee-dee," changing in spring to a whistled note "fee-bee." The mountain chickadee uses 3 high clear whistled notes, "fee-bee-bee," the first note highest, the second 2 on the same pitch but more distinctly separated than our local black-capped chickadee. His common notes sound more like "chuck-a-zee-zee-zee."

The National Audubon Society has a planned program for junior Audubon members, that is suitable for 4-H Clubs. I suggest you write them at 1130 Fifth Avenue, New York 28, N. Y.

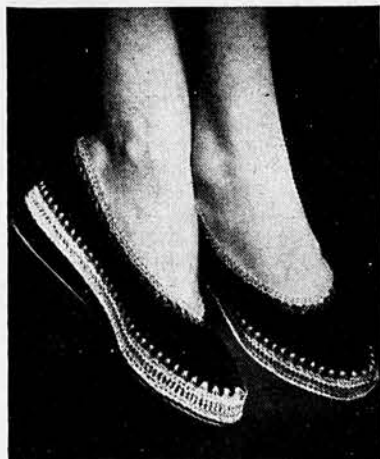
\$2 1/2 Million for Rural Telephones



HERE IN KANSAS we hope to be able to spend more than \$2 1/2 million this year for new telephone construction projects to tie the communities we serve and their farm neighbors closer together. This would bring the total gross cost of new rural construction in Kansas since World War II to \$10 million. We've been breaking records in our efforts to meet the demand for farm telephones. As a result, there are three times as many Southwestern Bell rural telephones in Kansas today as there were just seven years ago. SOUTHWESTERN BELL . . . A TEAM OF 6,800 KANSAS TELEPHONE PEOPLE . . . AT YOUR SERVICE.

NEWS TO YOU?

Just right for gifts are these glamorous slippers made for lounging or to wear with short party dresses. They come in black velvet or toast-colored shantung trimmed with metallic thread.



They have platform soles. State shoe size when ordering. Write to Miller Curio Co., 256 E. Congress, Tucson, Ariz.

Here's personalized pottery dishes for little folks with the child's name fired and glazed into each piece. Set consists of 3 pieces, plate, cup and bowl in either cowboy or Indian design.



Write to T. G. Parsons Co., P.O. Box 738, Binghamton 30, N. Y.

Are you a good grandparent? Have you practiced the art of letting go of your children so they may grow in responsibility and independence? Are you proud when they solve their own problems rather than come running to you? Have you learned to stay out of the arena when parents are arguing with each other or disciplining their children? If you can give the right answers to these questions your grandchildren will be fortunate, and you will

never lack for their affectionate devotion.

Salt and pepper shakers with spring tops are just right for picnics. Cannot shake out and salt and pepper stays dry. Glass shakers come with red, yellow, green or white plastic tops. Write



to Texell Products Co., 3 Asbury Place, Houston, Tex.

More fun, less work, no dishwashing at your children's parties if you use the jolly Bozo Party Pak. Comes in 2 sizes, one set for 6, other for 12 little folks. Includes table cover, centerpiece, napkins, plates, cups, games, balloons.



Write to Jeffery Lyons, Department B49, P.O. Box 1406, Del Valle Sta., Los Angeles 15, Calif.

THE POET'S CORNER

May Baskets

Flowers for Milady
Fall in many classes,
First, corsages with formal gowns
For the high school lasses.

Long-stemmed roses, dewy fresh,
Sent in tissue boxes;
Pots upon a window-sill,
Geraniums and phloxes.

But to crest a flowered thrill,
Can this be topped, I ask it;
Early blossoms, kiddie crammed,
Into your first May basket?

—Lillian Easley Moore.

So Much Beauty

There is so much beauty here within my yard
Fuschia of red-bud; apple trees in bloom;
Purple lilacs; fiery burning bush;
Buttercups so thick, to step, there's hardly room.

So much beauty here where mocking birds
Serenade the hour, and new leaves screen
The choice spot where robins build a nest,
And oh, the air is fresh and springtime clean!

—Mary Holman Grimes.

Heigh-Ho to Spring

Oh, come with me where trilliums grow
And saucy Dutchman's-breeches,
Where moist woodlands offer much
And a giant sycamore reaches.

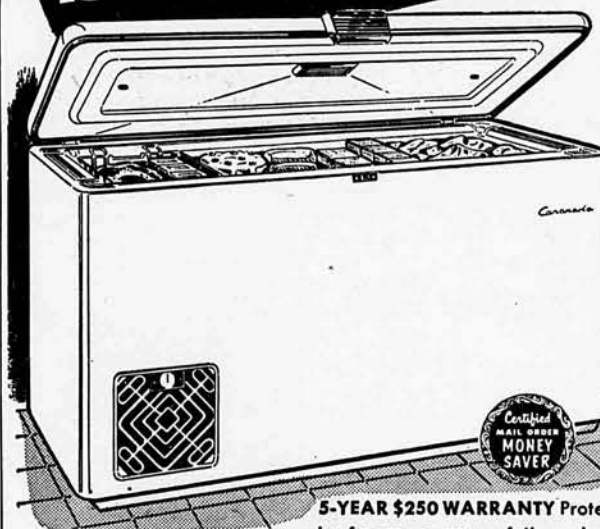
To the open woods where solomon seals
Ring flower-bells for the fairies,
Where a towhee sings his chewink song
And a tiny chipmunk tarries.

Heigh-ho! We'll follow the trail to spring
With the hour as bright as an oriole's wing!

—Mary Holman Grimes.

Rickrack Earrings
Add Color Touch

Something new in costume jewelry to give your spring wardrobe just the touch of color it needs—rickrack earrings! Our instruction leaflet shows you how simple they are to make—and inexpensive, too. You'll want several pairs to go with your various colored ensembles. Send your requests for, "New Rickrack Earrings," to the Home Service Editor, *Kansas Farmer*, Topeka, Kan. Price 3c.

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per gal. in 5-gallon can

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BIG 9 cu. ft. DELUXE
UP TO \$70 SAVINGS

COMPARE AT \$259.95 FOR SIZE, FEATURES!

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Stores over 60 lbs. frozen food, has 14½ sq. ft. shelf area! Cold to the floor with seamless porcelain interior. M044-19075

5-YEAR WARRANTY on efficient Polar Power unit, sealed in oil for life.

\$99.50 VALUE
SAVE 30%STALWART 18"
Rotary Power Mowers

Cast aluminum housing with year guarantee, full 1½ h.p. 2 cycle gas engine. M038-19045

69⁹⁵

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PLATFORM ROCKER	Red, Green, Beige Plastic. 49.95 Value	29.95
312 - COIL MATTRESS	Orthopedic Type; Full or Twin. 69.95 Value	38.95
MATCHING BOX SPRING	Damask Covering; Full or Twin. 69.95 Value	38.95
CHROME DINETTE SET	5-piece Deluxe Regular 99.95 Quality	68.88

All Items Above Are Plus Freight From Factory or Nearest Shipping Point

ORDER FROM YOUR NEAREST
GAMBLE STORE

Elephant Bill

After World War I the author, Lt. Col. J. H. Williams, went to Burma, worked as a forest manager for the Bombay Burma Trading Corporation for 22 years, and became known throughout the country as "Elephant Bill." For 3 years he was with the British Army during the Burma campaign, directing work of the elephants. He now is living in England.

This book is a delightful, informal account of habits and accomplishments of elephants that haul teakwood in the jungles of Burma. Thousands of trained elephants haul these tremendous logs from the stumps, thru mountainous terrain no machine can penetrate, to the nearest stream. From there the logs float to Mandalay or Rangoon, arriving perhaps a year later. If you're looking for a birthday present for a teen-ager, consider this book. Included are many fine photographs of the elephants at work. Colonel Williams tells the complete life cycle of the ele-

phant, explodes many of the fanciful beliefs commonly held among most of us. Many exciting passages will keep you interested.

"Elephant Bill" is published by Doubleday and Company, Inc., Garden City, New York. Ask for it at your community library or bookstore. Cost \$3.

Learning to Swim

A new book is just off the press entitled, "Learning to Swim in 12 Easy Lessons," by Adolph Kiefer and Milton and Bramwell Gabrielson, all famous swimmers and coaches.

These 3 experts show you how to teach yourself or your children to swim properly, how to develop confidence and ability. It is a complete and practical handbook and contains many illustrations and diagrams. To obtain this book write to Prentice-Hall, Inc., Publishers, 70 Fifth Avenue, New York 11, or see your nearest bookstore or public library.

Sew Easy Styles

4585—Smart dress with yoke and sleeves together. Full circle skirt. Misses' sizes 12 to 20. Size 16 takes 5 yards 35-inch fabric.

4719—Wrap-tie blouse with puffed sleeves. Square neck in front, deep V in back. Misses' sizes 10 to 20. Size 16 takes 2 yards 35-inch.



4585
SIZES
12-20



4745
SIZES
12-20

4745—Halter, shorts, skirt to mix and match. Misses' sizes 12 to 20. Size 16 bra and skirt, 3½ yards 35-inch fabric.

4543—Child's sun outfit with scalloped petticoat and jacket. Child's sizes 2 to 10. Size 6 takes 1¼ yards 35-inch print; 1½ plain.

4753—Attractive dress, gentle gathers in blouse, full skirt. Misses' sizes 12 to 20. Size 16, 4¼ yards 35-inch fabric; ½ yard contrast.

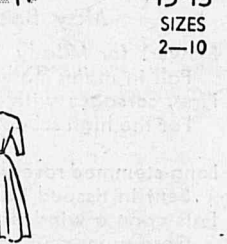
4704—Warm weather dress for shorter, fuller figure. Bow-tied pie-cut neckline, graceful skirt. Half sizes 14½ to 24½. Size 16½ takes 4½ yards 35-inch fabric.



4704
SIZES
14½-24½



4543
SIZES
2-10



4753
SIZES
12-20

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"ON THE ALERT"

Start Your Chicks Right with



For
Faster Weight Gains
Coccidiosis
Prevention

Gives You EXTRA



Kitchen Sink



Radio or TV Set



Linoleum



Sewing Machine

Ren-O-Sal Provides Faster Growth

Even With Vitamin B₁₂ And Antibiotics In Feed.

Chickens develop better...reach full maturity quicker...lay eggs up to two weeks earlier. Helps put them in better condition with added vitality for top production all year.

Also Reduces Cecal Coccidiosis Losses!

Larger Ren-O-Sal doses prevent spread of cecal coccidiosis in chickens. Saves chicks; reduces stunting and feed losses. Be "on the alert!" Make sure convenient Ren-O-Sal is in the drinking water, continuously...and raise more, better developed chickens. Buy low-cost Ren-O-Sal when you get baby chicks or starting mash.



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When you need poultry medicines, ask for

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USE THE Flock WORMER That GETS ALL

Contains Exclusive, New Drug
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Won't knock egg production or retard growth. Worm-free chickens often lay more eggs, grow faster. Use WORMAL powder for feed, or tablets for individual worming.



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→ Roundworms

→ Cecal Worms

*Genus Raillietina

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(Pronounced WORM-ALL)

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

WE CAN WIPE OUT BRUCELLOSIS!

Dread disease of man and beast can be eradicated. The method has been proved in 3 states, hundreds of counties and in 3 foreign countries

BRUCELLOSIS can be whipped. We know how to do it. The method has been proved over and over in widely separated parts of this country and in other countries. We no longer need to put up with serious livestock losses and human misery this scourge causes.

Such is the hopeful assurance that comes from animal and human health authorities thruout the country. It has been reaffirmed in every brucellosis conference held in recent years.

"Brucellosis can be eradicated," says Dr. B. T. Simms, chief of the U. S. Bureau of Animal Industry. "We have the basic knowledge. All we lack is the determination."

Of course, we need to know more about Bang's disease. And we'll know more as time goes on. We hope for better methods, improved techniques and tools in dealing with it. Research will see to that. But we do not need to wait.

"Our basic knowledge is enough," Doctor Simms repeats. "That knowledge has been effective in eradicating the disease both in herds and in large areas, not only in this country but in Denmark, Norway and Finland. In many areas the clean-up was done before vaccination and the ring test were available. So I say we can, if we will, eradicate brucellosis by applying the knowledge now at hand."

The 3 states that already have eradicated bovine brucellosis, which means that 1 per cent or less of their cattle are infected, are North Carolina (certified since 1942), New Hampshire (since 1949), and Maine (since 1950). "These

states," says A. K. Kuttler, in charge of brucellosis and tuberculosis eradication for U. S. BAI, "adopted most of the provisions recommended by the U. S. Livestock Sanitary Association even before they were made in 1947."

In many states a third to a half or more of the counties are certified areas. In 702 counties systematic eradication work is being done at this date. Certified free areas (1 per cent or less of infected animals) totaled 341 counties last year. That is a considerable reduction from the number, 673, which have been certified at one time or another.

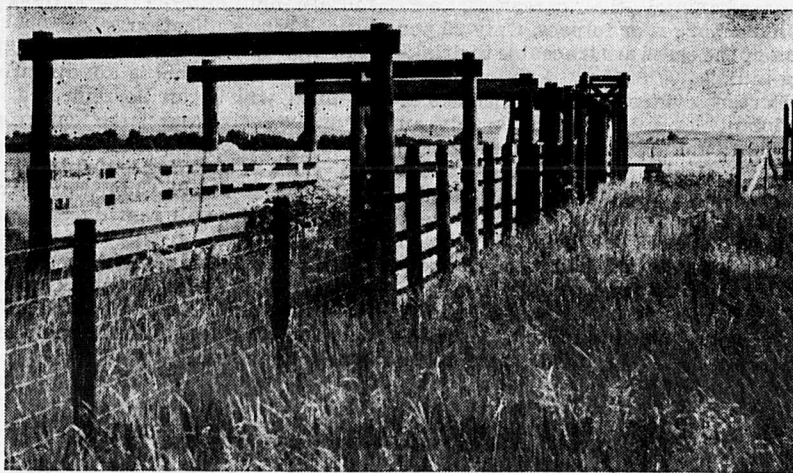
This slump in number of certified counties, said Doctor Kuttler, "could be interpreted as a step backwards, and it cannot be denied in some areas ground has been lost due to lack of proper educational work, laws, funds and personnel. A large number of counties, however, have been dropped from the certified list due to a change from Plan A to one of the other plans."

When the number of certified counties dropped from 470 to 425, one year, C. K. Mingle, of the Bureau of Animal Industry, explained the reduction didn't necessarily mean an increase in infection. In most cases veterinarians or funds were not available to do the re-testing in time and so the counties were not recertified.

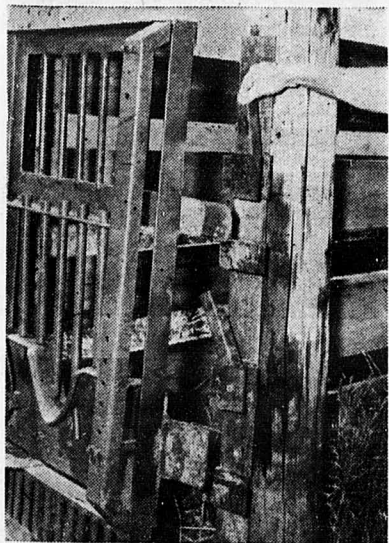
Several states are making progress in eradication. Unfortunately, Kansas and Missouri are not among them. Doctor Kuttler recommends study of the procedures that are being followed in

(Continued on Page 24)

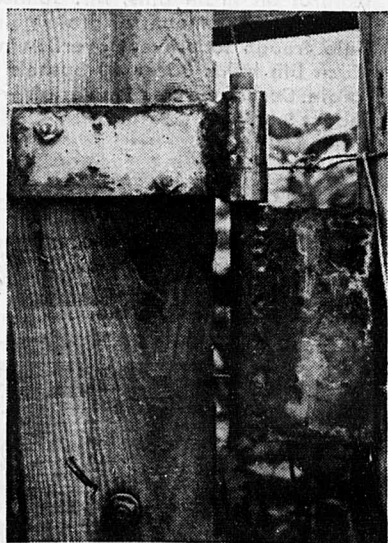
EASY TO SORT AND HANDLE CATTLE



YOU CAN DO most anything with cattle when you have sorting and holding pens like these at Albert Walker farm, near Vesper. Mr. Walker uses setup to spray, load and work his purebred Herefords. A show was held here last spring. This end of pen can be closed off for spraying. Pick-up truck with spray rig mounted on it can be driven right up to side of pen from handy road along far side of pens.



CATTLE are driven thru chute direct to loading chute or to this dehorning gate. Bars slip out so head hold can be attached. This also is a Walker farm shop project which is aiding in easier and faster work methods.



GATE on hinges in Walker corral swing wide and free for more efficient handling of livestock. Old wrist pins were used for gates to swing on. Hinges were made by Mr. Walker in his farm shop.

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Ask your distributor or write for free bulletin B-141, completely describing Peerless Turbine Pumps.



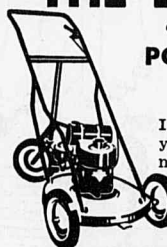
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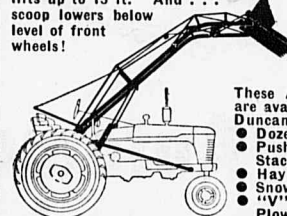
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FITS ALL ROW CROP AND CONVERTED WIDE FRONTEND TRACTORS!



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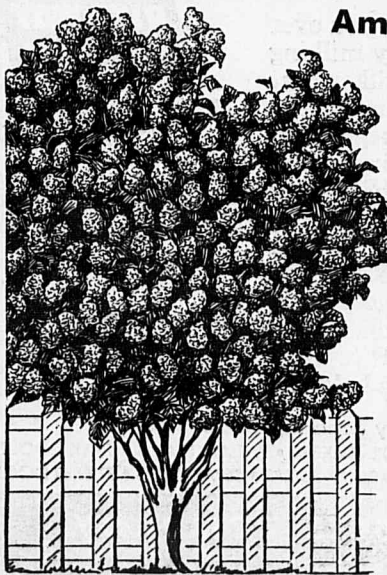
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TREE** Grows up to 25 Feet High **\$1**

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Here's one of nature's most unforgettable sights! A breathtakingly beautiful Hydrangea Tree (*P. grandiflora*) covered with masses of gorgeous jumbo blooms. Blooms so thick you can't even see the branches. Tree starts blooming in early summer and the flowers are snow white. By August they've changed to pink and by late September to royal purple. Easy to grow. We send choice transplanting stock at least 1 1/2—3 ft. tall with a strong root system. Limited supply. On arrival plant or store until convenient time. **SEND NO MONEY!** On delivery pay cost plus C.O.D. postage. We pay postage on prepaid orders. If not delighted return at once for your money back.

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Smooth-riding Tow-A-Line skids at each Ames ABC Coupler support the pipe off the ground. Full 22° flexibility at each joint. The line "glides" along without strain on pipe or couplers. Easily converted to hand-move... a real advantage.

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We Can Wipe Out Brucellosis

(Continued from Page 33)

such states as New York, Pennsylvania, Ohio, Minnesota, Wisconsin, Michigan, Illinois, North Dakota, Washington, Oregon and California. "Failure to carry on adequately in any state will result in penalizing the pioneers of progress," he said. Yes, and he might have said states which lag in brucellosis eradication are penalizing themselves by sentencing an indefinite number of their citizens to great suffering or even death by undulant fever and by destroying or limiting their interstate markets for cattle, meat and milk.

Someday, and it won't be long, the unclean states will be unable to peddle their animal products in the big population centers. Already Chicago has set a deadline, January 1, 1955, beyond which the health authorities will permit no sale of dairy products from brucellosis herds. Other markets will follow that lead. They won't tolerate the continued threat to public health.

If you are resisting brucellosis clean-up or waiting for that magic cure, here's something to think about: Dr. Wesley W. Spink, professor of medicine at the University of Minnesota, told the last North Central States Brucellosis Conference, "BRUCELLOSIS IS AN OCCUPATIONAL DISEASE." That means a disease connected with handling the affected animals which includes farmers and packing-house workers.

"I know of no case," said Doctor Spink, "where undulant fever has been transmitted from person to person, except from mother's uterus or milk to child. Of the 3 species of brucella—cattle, goat and swine—all are transmissible to man from the animals themselves. And 75 per cent of the human cases are traceable to contact with diseased animals, their carcasses, abortion discharges or fetuses. Only 25 per cent of the cases are traceable to drinking milk."

Further evidence that brucellosis or undulant fever in man is largely an occupational disease is found in the fact it is mostly an adult disease and a male disease. About 75 per cent of the human cases are male and 25 per cent female. There is no evidence women are less susceptible than men. The percentage means simply that men normally do the livestock handling and so are more frequently exposed. Most children, on the other hand, seem to be

resistant in their earlier years, but that is no guarantee they won't have the disease. In fact children do become infected but often do not show symptoms. Still there are cases of infant brucellosis on record.

Now, if brucellosis can be controlled, why hasn't it been done? Why haven't we made more progress? Why are some states doing practically nothing toward eradication?

There are several reasons:

1. The hope for a magic cure, an easy way out. That hasn't been developed yet and may not be for years. So it's unwise to wait when we have the eradication method at hand.

2. Too great expectation from vaccination and the ring test. They are useful and valuable tools when properly used. Says Doctor Simms: "Vaccinate the calves and then manage the herd just as if you hadn't done it. The man who gets the most out of vaccination is the fellow who is skeptical that it will work."

The ring test is helpful in spotting the presence of disease in the milking herd, saves time and expense. But it is not 100 per cent reliable. Also, it doesn't spot the dry cow or springer heifer. So repeat tests are necessary.

3. Hope of being able to "live" with the disease. This is reflected in a statement by Dr. Ralph L. West, executive officer of the Minnesota Livestock Sanitary Board. Said he: "We meet and meet to consider brucellosis eradication and wind up discussing how we can live with it. It's time to quit fooling ourselves. The only safe policy is to live without it. That we can do only by eradication."

4. Political expediency. Too many public officials responsible for human and animal health lack the courage to initiate and enforce regulations for brucellosis eradication.

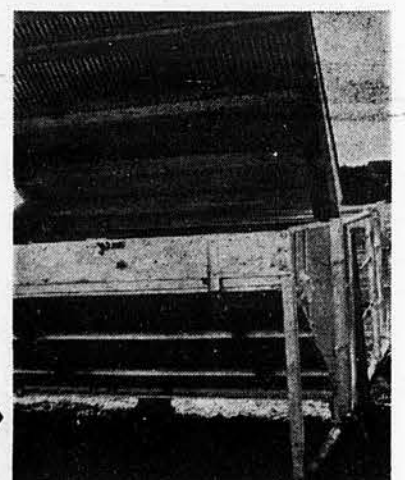
5. Indifference to the health threat and the losses. This is an educational problem which can be remedied only by an extensive and persistent informative campaign.

6. Lack of enabling legislation, funds and personnel to do the testing. An informed public will remedy this situation.

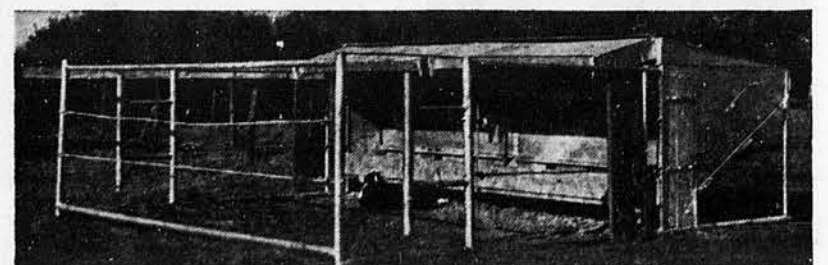
7. Lack of agreement between states, cities, organizations, livestock interests on procedures. Also, absence of cooperation between animal and human health agencies.

NEW JOB FOR COMBINE GRAIN BINS

TWO OLD International combine grain bins welded in line form the feed storage for a calf creep-feeder designed by Richard E. Johnson, of Rice county. Feeding trough is 14 inches deep and, by using unloading control on grain bins, Mr. Johnson can regulate amount of grain going into trough to prevent overflowing. Each bin holds 35 or 40 bushels of grain. Cost of the creep materials was about \$40.



LID ON GRAIN BIN is counterbalanced, easy to raise. Flow of feed from bin to trough is regulated by unloading control on bin.



STORAGE PART of this calf creep-feeder is composed of 2 old combine grain bins welded in line, with 14-inch-deep feeding trough. Cost of materials was about \$40, says Richard E. Johnson, Rice county farmer, who built it.

Agricultural Economics Bureau Gives Comments on Farm Income Prospects

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—The U. S. Department of Agriculture's Bureau of Agricultural Economics comments on the farm income situation in their "Outlook for 1953" issue:

With prices received by farmers at a lower level than in 1952, farmers' cash receipts from marketings in 1953 and their total gross income, are likely to be somewhat below a year ago. Farm production costs, however, continue high and relatively inflexible.

Farm operators' realized net income in 1953 probably will be down about a billion dollars from last year's total of 14.3 billion dollars. But it still would be somewhat larger than the 12.3 billion dollars received in 1950, the postwar-World War II low.

If growing conditions are average, total volume of farm marketings will equal about last year's record volume. However, a material change in production prospects as the season develops could alter price and income prospects.

Farmers' realized net income is the difference between their gross income and their production expenses. Total farm production expenses may decline slightly in 1953. Expenditures for purchased livestock, feed, seed, and rents

Kansas: Livestock and products, 1952—\$122,166,000 and 1953—\$92,316,000; crops—\$44,140,000 and \$109,890,000. Total, 1952—\$166,306,000 and 1953—\$202,206,000.

Missouri: Livestock and products, 1952—\$125,692,000 and 1953—\$104,039,000; crops, \$26,884,000 and \$30,918,000. Total, 1952—\$152,576,000 and 1953—\$134,957,000.

Thanks to the business acumen and decision-making ability of Mrs. Oveta Culp Hobby—Secretary of Health, Education and Welfare—the "weevilly wheat" inspection, condemnation and seizure program of the Food and Drug Administration in her department is out of the window for the present.

On April 30, a joint statement from Secretary Hobby's HEW Department and Secretary Ezra T. Benson's Department of Agriculture was issued. The gist of it is in the following paragraphs:

"After thoroly reviewing with grain industry representatives the uncertainties involved in the program of grain sanitation and improvement, part involving enforcement operations launched last fall (Note: rodent infestation), and part of which (internal infestation of grain, principally weevil) were scheduled to begin July 1st of this year, the 2 Departments agreed to set aside temporarily certain enforcement aspects of the program, pending further co-ordinated research and study and a report to the Departments involved.

"A 15-man committee will co-operate in developing the plan. The committee will be made up of 2 representatives of the Department of Agriculture, 2 from the Department of Health, Education and Welfare's (HEW) Food and Drug Administration, 4 from land-grant colleges in the principal wheat-growing areas, 5 from the grain handling and processing industries, and 2 nutritionists or sanitary experts."

The irony of it is that George Larrick, deputy in charge of FDA enforcement program, told the committee that the question of public health was not involved. He said there never has been any evidence that flour made from "weevilly" wheat was detrimental to health of human beings. "It is purely an esthetic problem," he said.

As a result of this hearing, Secretary Benson wrote Secretary Hobby, recommending the internal infestation program be postponed at least one year. Discussion followed at "lower levels" between the 2 Departments. On April 6, it was announced the program had been modified so it would require 80 damaged kernels, instead of 3, before condemnation and seizure. Formal order was issued last week in April. Senator Schoepel of Kansas "hit the ceiling" when he read this order; so did Kansas Representative Clifford Hope, chairman of the House Agriculture Committee, and Walter Scott, secretary of the Kansas City Board of Trade.

Following conferences with members of grain and milling industries, and wheat growers, Schoepel, Hope and

(Continued on Page 36)

New Cattle Shelter

A new cattle shelter you can build yourself will accommodate about 20 dairy calves and their young stock. It's composed of 4 parts—loafing area, hay and bedding storage area, pens and feed room area, and a covered feed bunk. Or you can build just one unit, or a combination of units. For the plans, send 15c to Farm and Home Service, *Kansas Farmer*, Topeka, Kan. Plan is published by Oklahoma A & M College.

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probably will be lower in 1953 than in 1952—substantially lower in the case of feed and livestock.

On the other hand, some further increases may occur in farmers' interest payments, taxes, depreciation charges, operating costs for motor vehicles, and expenditures and hired labor.

Cash receipts from farm marketings in the first quarter of 1953 totaled 6.6 million dollars, down 2 per cent from last year. An increase of 6 per cent in the volume of marketings was more than offset by lower prices.

Receipts were up 4 per cent in January, down 7 per cent in February, and down 4 per cent in March as compared to corresponding months in 1952.

Receipts from livestock and products in the first quarter were down 9 per cent to 3.9 billion dollars, mostly because of a 17 per cent drop in receipts from meat animals. On the other hand, crop receipts were up 11 per cent to 2.7 billion dollars, largely result of increased marketings of wheat, corn, soybeans and tobacco.

Preliminary estimate of receipts in March is 2 billion dollars, up slightly from the revised estimate of 1.9 billions for February, but down 4 per cent from March of last year. Receipts from livestock and products were about 1.3 billion dollars, seasonally higher than in February, but 7 per cent below a year earlier.

March crop receipts are estimated at 0.7 billion dollars, practically the same as in February and only slightly higher than in March last year.

Cash receipts from farm marketings for January and February, 1952 and 1953, show the following from 3 more or less typical states:

Ohio: Livestock and products, 1952—\$120,736,000 and 1953—\$103,862,000; crops—\$35,139,000 and \$45,291,000. Total, 1952—\$155,875,000 and 1953—\$149,153,000.

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Name

Town

RFD No. State

Gives Farm Income Prospects

(Continued from Page 35)

Scott got an interview with Secretary Hobby. She called in Messrs. Crawford and Larrick. After getting the story, Mrs. Hobby said evidently she had not been fully informed by the FDA. She countermanded the order, and suggested the departments' representatives and Scott get together.

While corn has not "priced itself out of the market"—as butter seems to have done—prospects of Commodity Credit Corporation owning more than 500 million bushels when the 1953 crop is marketable present a problem. The position of the CCC is explained in the following, taken from a Department statement:

"The policy of the Department in disposing of corn stocks, backed by specific legislative provisions, is (1) To avoid waste and monetary loss as fully as possible, and (2) to avoid disruption of the market and 'breaking' prices downward. . . .

"The law controls the sale of CCC corn. Conditions . . . are spelled out clearly in Section 407 of the Agricultural Act of 1949, the controlling legislation. In general, these provide that stocks may not be sold at less than 5 per cent above the current support price for the commodity, plus reasonable carrying charges—nor at prices which will discourage the commercial trade from carrying normal inventories of the current crop. There are some exceptions . . . most important of which are sales for export and domestic disposition of stocks which have deteriorated substantially or are in danger of such deterioration.

"Under the 'deterioration' exception, CCC has been selling some corn stocks, chiefly from the 1948 crop. Such sales have averaged about 800,000 bushels a week during recent months.

"This off-grade corn is sold in the open market at full market prices for that quality of corn. Prices have averaged only a few cents a bushel below those for standard grades 2 and 3 yellow corn. The stocks marketed, while damaged, have been of low moisture content and high test weight—of good feed value."

"Upstream watershed" development, for soil and water conservation and flood prevention, looks to be coming into its own. Might even get a boost at this session of Congress, if President Eisenhower gives it a hoist.

Representative Hope, accompanied by Senator Carlson, went before the House Appropriations subcommittee on Agriculture and urged an appropriation of \$5,100,000 to start 48 "small" upstream watershed projects in 27 states.

The 48 projects listed, and to be completed in from 1 to 5 years—most of them 4-year projects—would call, Hope estimated, for \$28,706,000 of federal

funds. The Soil Conservation Service estimated that landowners, state and local government agencies and special purpose districts, would put up approximately 30 million dollars.

"All these projects have been studied and surveyed by the SCS," Hope told the committee. "I quote the following from SCS:

"Special survey reports of 13 of these small watersheds were prepared as directed by Congress following the severe flood of 1951 in the Midwest. Total of \$186,000 was provided for this purpose in the Second Supplemental Appropriations Act of the 82nd Congress first session. These watersheds are: Bill's Creek, Claussen Creek, Lost Creek, Little Delaware-Mission Creek, and Uehlin Creek in Kansas; Dry Creek in Nebraska; East Willow Creek and South Fork of the Crow in Minnesota; East Branch of the South Fork of the Blackwater and Lost Creek in Missouri; Honey Creek in Iowa; Money Creek and Old Tom Creek in Illinois. The other watersheds recommended were all sample areas carefully surveyed in preparation of flood control survey reports of larger watersheds.

In Kansas: Snipe Creek, 26 square miles, Marshall county, Blue Valley, total federal cost, \$160,000, 4 years, asked for first year, \$40,000; Switzer Creek, 33 miles, Osage county, Osage valley, \$250,000, 5 years, \$50,000; Uehlin Creek, 10 miles, Decatur county, Sappa Creek valley, \$32,000, 2 years, \$15,000.

In Missouri: East Branch of South Fork of Black Water, covering 20 square miles, Jackson county in the Blackwater Valley. Total federal cost, \$140,000, 5 years to complete, asked for first year (fiscal 1954), \$30,000.

Lost Creek, 14 square miles, Lincoln county, Mississippi Valley. Total federal cost, \$69,000, 3 years, \$20,000.

In Ohio: Rocky Fork, covering 60 square miles, Highland, Ross, Fayette and Clinton counties, Scioto watershed. Total federal cost \$120,000, 4 years to complete, \$30,000.

Name Dairy Judging Contest Winners

Kansas dairymen are busy these days attending spring dairy shows. One of the outstanding features of these shows is the *Kansas Farmer* dairy judging contest, in which men and women alike compete to see who can most nearly place cattle in same order as regular show judge. Winners of top places qualify for the state *Kansas Farmer* dairy judging contest, held each year at the Kansas State Fair, Hutchinson.

Winners of the judging contests at the following Ayrshire spring shows have been announced to date. They are:

South Central: Donald Holt, Winfield, 1st; Wm. Hardy, Sr., Arkansas City, 2nd; Mrs. M. B. Dusenbury, Corbin, 3rd; M. B. Dusenbury, Corbin, 4th, and Mrs. Merle Foiles, Arkansas City, 5th.

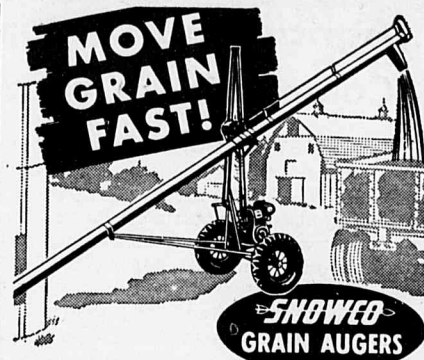
North Central: Wynn Bauer, Broughton, 1st; Verlin Hoffman, Abilene, 2nd; Harry Tannahill, Broughton, 3rd; Wade Bauer, Broughton, 4th; Mrs. Virtus Haws, Clay Center, 5th.

Mid Kansas: Arlo Flicker, Moundridge, 1st; Mrs. John Regier, Moundridge, 2nd; Mrs. Chester Unruh, Hillsboro, 3rd; Chester Unruh, Hillsboro, 4th; John Regier, Moundridge, 5th.

Hutchinson Central: Walter Robinson, Nashville, 1st; Frank Shrock, Sterling, 2nd; James Kirchgassner, Larned, 3rd; L. C. Garrison, Pratt, 4th; Rodman Williams, Hutchinson, 5th.

Elect Kansans

Three Kansans were elected members of the board of directors of the American Dairy Association, at annual meeting in Chicago in March. They are P. D. Turner, Sabetha; Nick Fennema, Winfield, and H. E. Dodge, Topeka.

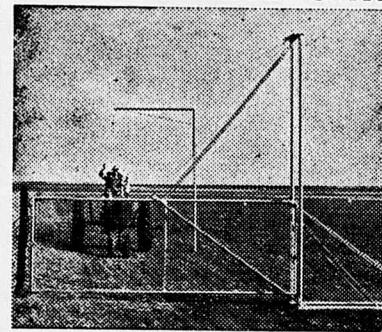


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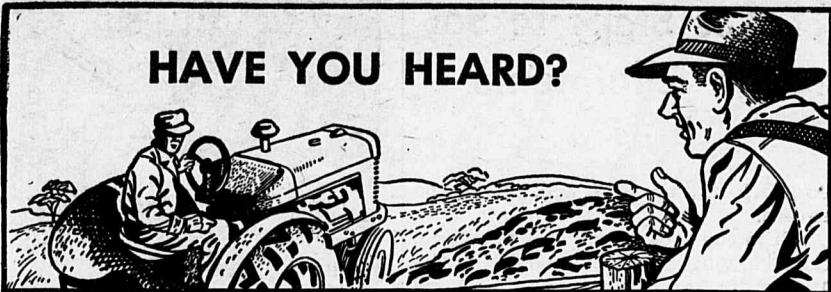
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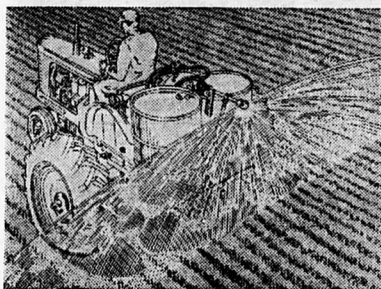
HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

HEISLER MFG. CO., Hudson, Ia., announces production of new live-power, take-off clutch for farm tractors. On such jobs as baling or ensilage cutting it eliminates up to 50 per cent of the shifting.

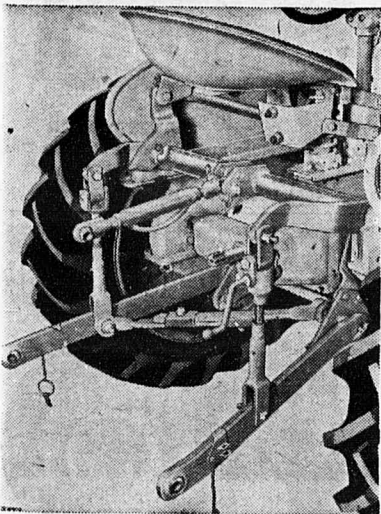
Kromer's New Single-tip Broad Fan Nozzle means uniform spray distribution, sprays a swath up to 50 feet



wide. Nozzle is long-lived, free from clogging and cannot get out of adjustment. Most useful for spraying weeds and insects in small grains, pastures, roadsides. **O. W. Kromer Co.**, 1120 Emerson Ave., N. Minn. 11, Minn.

Moderne is a 4-in-1 fixture for the home—for washroom, kitchen, bathroom. Holds soap, water tumbler, toothbrushes, tooth paste, powder, scouring pads. **Sunshine Sales, Dept. KF-1**, Loudonville, O.

Minneapolis-Moline Co., Minneapolis, Minn., introduces a new, 3-point hitch for its 2-3 plow BF tractor. Hitch will



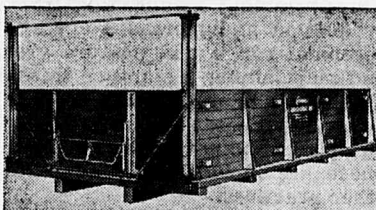
handle all standard 3-point farm and yard implements. May be adjusted for either free-floating or controlled down pressure action. Has 2 lifting rolls, which makes it possible to raise or lower both front-mounted implements and others at same time.

J. C. Morris Co., 324 Tchoupitoulas St., New Orleans 12, La., has a dandy new aluminum drip coffemaker. Keeps coffee hot for long periods, easy to clean, especially attractive. Remove dripper for a server.

Schultz Side Dressers, easily mounted on most cultivators, are available in 1-row, 2-row and 4-row models. **L. H. Schultz Mfg. Co.**, Rochelle, Ill., and Waterloo, Ia. Puts fertilizer where it's needed, when it's needed.

Calhoun Forage and Grain Box needs no spreader chain, and features a new 3-way endgate. Has special side brackets, to eliminate need for such devices as chains or rods to keep box from

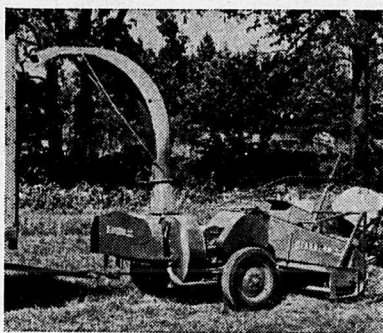
spreading. Metal stake pockets permit building up sides economically for forage. Sides can be removed for making a sturdy platform to use for baled hay, machinery or any job. Available in 2



sizes: 7 feet by 14 feet and 6 feet by 12 feet. **Calhoun Mfg. Co., Inc.**, Cedar Falls, Ia.

Norplac Servette is a tray that opens into 3 trays. Made of durable Lustrex Styrene Plastic. Slide open for 3 trays with places for 4 servings. **Northwest Plastics, Inc.**, 65 Plato Ave., St. Paul, Minn. Dept. KP.

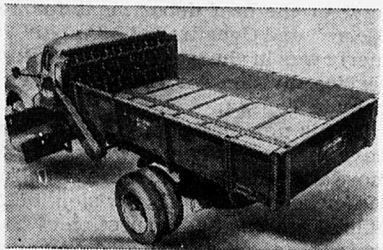
Dearborn Forage Harvester is designed to chop and load up to 15 tons of hay or row crop silage per hour.



Available in both PTO and engine-driven models, the new harvester picks up windrowed crops or cuts standing row crops. Forage crop is cut into small pieces, length of which is selected by operator. **Dearborn Motors Corp.**, Birmingham, Mich.

Home Scoop is good for food and other materials. Sturdy ribbed aluminum ejector. **Pol Enterprises**, P. O. Box 658, Dept. AA, Hartford 3, Conn.

Farmachine is a new conveyor-spreader-feeder. Can do all your farm or ranch work, says **Seward Mfg. Co.**, Omaha, Nebr. The 600 Feeder can be



mounted on a truck or wagon running gear. Requires just one man to operate—feeds over 1,000 head a day. The 600 mixes ration evenly, and feeds into bunks. Converts to spreader with special, easy-to-install attachments.

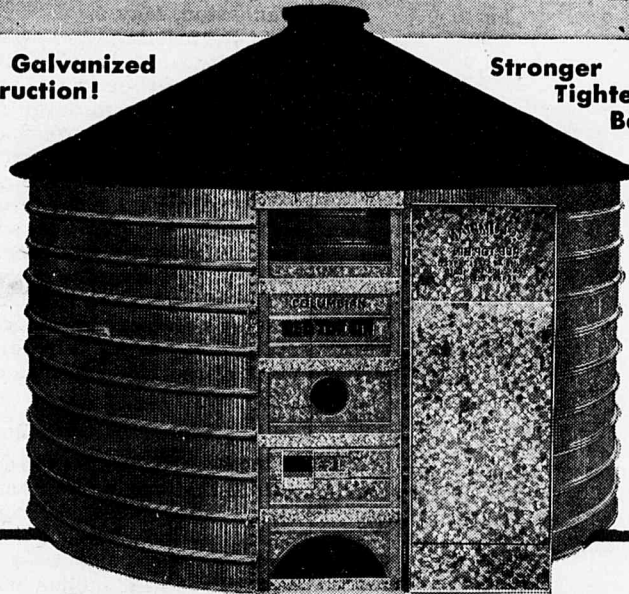
Johnson Sickle Tool changes a sickle section in the field in less than a minute, says **Implement Specialty Co., Inc.**, St. Louis. Can change all sickle sections on a 7-foot bar in 20 minutes.

Hopalong Cassidy Shoe Bag "cor-rals" shoes in a handy place. Farm children especially will like it—teaches them good habits. **Max Kleeman**, 2433 N. Mascher St., Philadelphia 33, Pa.

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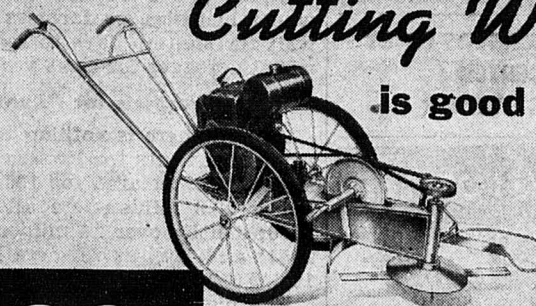
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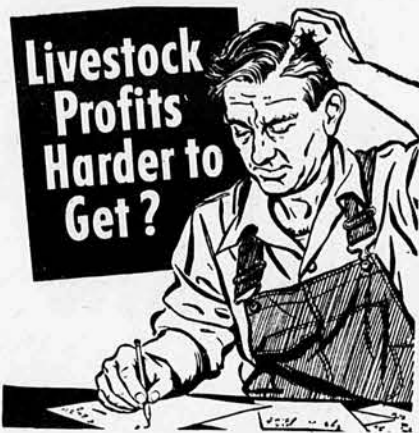
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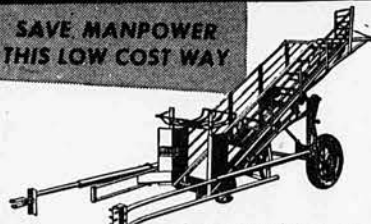


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Manhattan Meeting Takes Steps to Set ACP and Wheat Acreage Allotments

By CARL EICHE

PRELIMINARY STEPS were taken toward establishing the tentative 1954 Agriculture Conservation Program and 1954 wheat acreage allotments and marketing quotas at a joint meeting of agricultural agencies and groups at Manhattan, May 5.

At the meeting were personnel from Agricultural Extension, FHA, SCS, PMA, and other state and federal agencies and farm organizations.

The meeting was necessary because every indication received from the Department of Agriculture would indicate that wheat acreage allotments and marketing quotas are a very strong possibility on the 1954 crop. The Agricultural Conservation program part of the meeting was to give all state and federal agencies and other groups an opportunity to participate in development of recommendations on the 1954 ACP program.

Place Marketing Quota

If federal estimates are correct, conditions that would favor acreage allotments will prevail following the 1953 wheat harvest. The marketing quota level on wheat has been placed unofficially at 1,423 million bushels and if the crop materializes, the nation will have on hand around 1,600 million bushels. This is about 175 million bushels more than the marketing quota level at which the law directs the secretary of agriculture to proclaim quotas.

Under provisions of the law, if quotas are declared, they must be announced not later than July 1, so farmers can vote on them by July 25. Since each farmer must know his acreage allotment under the quota before he votes, the allotments must be mailed to farmers by July 15.

A tremendous job of gathering acreage history on Kansas farms, and studying it to determine fair acreages for each farmer in the state, faces the representatives of agriculture. The last 2 years of wheat acreage allotments in Kansas were in 1950 and 1951. The 1951 allotments were suspended in January of that year, following war in Korea. Data gathered at that time, plus information from wheat insurance reports, is all the agriculture department will have to start out on.

Accurate reports by the farmers are necessary to make adjustments in acreages as they will be made in relation to the usual wheat acreage.

A series of sign-up days will be held over the state to get farmers to make the history reports on their farms for the last 3 years. If the farmer does not report, a crop reporter will call on him to get the information. And if the information is not given voluntarily, an appraisal will be made. All county committees are prepared to take farm wheat histories, so farmers need not wait for sign-up days to record their wheat acreages for the 3 years.

Prospects for Future

As yet, there is nothing to indicate what allotments for Kansas might be if they are declared for 1954. Kansas got a 13.8 million-acre allotment in 1950; a little over 14 million acres in 1951; and Kansas farmers harvested 14,649,000 acres in 1952.

The big change in the agricultural conservation program will be the development of a program on a county level and delegation of more responsibilities and authority to county officials. In the tentative program, a series of district and county meetings will allow county officials to decide what practices they want adopted in their counties and allow them to say what should go into the state and county handbooks.

Generally, the national handbook emphasizes assistance for the more lasting types of practices. For the most part, Kansas programs in the past have emphasized the more lasting types

so shock of this shift will not be too severe.

Altho the program is still tentative, the following practices included in the 1953 state handbook are not included in the 1954 tentative national program: Contour farming intertilled crops; contour farming drilled or close-sown crops; emergency tillage; growing adapted non-legumes; growing vetch; perennial noxious weed eradication; grazing land management; construction of new large water storage tanks; construction of permanent fences; deferred grazing; establishing for seed production and increased acreage of perennial range and pasture grasses and maintaining a stand of trees and shrubs in windbreaks and shelter belts. Other practices, such as lime, superphosphate and potash, and rock phosphate are included only as parts of other practices.

It also has been proposed that small payment increases be discontinued for 1954 to make it possible to make payment more rapidly to farmers and ranchers earning assistance under the program.

Name New State Marketing Director



Merrill H. Werts

New director of the marketing division of the Kansas State Board of Agriculture is Merrill H. Werts, Memphis, Tenn. Roy Freeland, secretary of the Board, announces Mr. Werts will begin work on June 1.

A graduate of Kansas State College, the new marketing director also has a master's degree in agricultural economics from Cornell University, Ithaca, N. Y. He has been serving as sales manager of the beef department for John Morrell and Company at Memphis, formerly was in charge of the agricultural service division for the Morrell Company in Topeka.

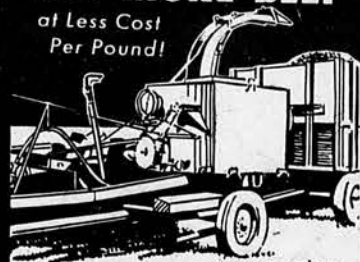
In his new position, Mr. Werts will have charge of a field of work receiving more and more attention in agriculture. Major activities of the division include official grading and inspection of fruits and vegetables, as well as development of more efficient marketing of eggs, poultry and dairy products. The division also will be concerned with problems in marketing wheat, sorghums, livestock and livestock products.

Expand Crop Tests

Experiments with new alfalfa and wheat varieties at Kansas State College are being doubled and speeded in search for better crops. E. G. Heyne, agronomist, says research is being intensified to find new varieties that are more insect- and disease-resistant and yield better. Greenhouse and field tests over Kansas are used in finding new varieties.

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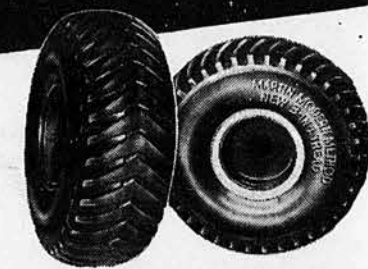
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News of Kansas 4-H Clubs

By GORDON WEST

BRENNER CIRCLE B 4-H Club in Doniphan county is new local organization there, writes reporter Rosemary Gladhart, junior leader and one of the organizers. Brenner members are active—received a blue-ribbon award for their play at county 4-H Day and won second place in district contest. Good going for a new club! There are 17 members. Marian Ruhnke is president.

Lyonsdale 4-H Club, Geary county, likes to emphasize eating the right foods each day. "Are You Riding the Health Express?" was theme of their recent window display at a Junction City store. Members thought it a good way to promote their health project to their community. Each car of an electric train set demonstrated value of foods. A wall chart told of the "Seven Basic Foods" to be eaten.

Girls in Morton Hustlers 4-H Club in Wallace county are interested in tractor maintenance project work. Patty Goings, reporter, writes 2 girls joined the county Tractor Club which meets and has "an enjoyable evening with a demonstrated lesson and a quiz, followed with lots of eats and old-time square dancing." Officers are Yvonne Beiker, president; Kenneth Acres, secretary, and Vernon Schemm, reporter.

What Ever Became of ? Department: Bill Beezley, Crawford county, 1952 president of Kansas Holstein-Friesian Association, is an outstanding farmer in his county. On the Beezley Farm Dairy also live Mrs. Beezley and 4 sons—Jerome, Mike, Pat and Jackie. Bill attended Kansas State College, was one of the great all-time linemen on the football team. His sisters—Patricia, Dorothy and Eugenia—also are well-known former 4-H'ers. Their father, R. C. "Pat" Beezley, has served many years on the Kansas State Board of Agriculture, and as secretary-treasurer of Kansas State Fair, *Kansas Farmer* honored him as a Master Farmer.

Harmony Hustlers 4-H Club in Dickinson county highlighted their April meeting with safety discussion. Charles Schrader, undersheriff, gave a talk on safety precautions. Mary Jane Pyke, reporter, also writes the club has sent 21 boxes of garden seed to Korea.

Announce Beef Feeding Contest Winners

Winners are announced in 1952 Kansas Beef Production Contest, sponsored by Kansas State College Agricultural Extension service, Kansas City, Mo., Chamber of Commerce, county agents, and breed associations:

Division I—Feeder Calves: A. B. Moll, Little River, Rice county, Short-horn; Ralph Gardiner, Ashland, Clark county, Angus; DeWitt Sternberger, Danville, Harper county, Angus; Arthur Palmquist & Sons, Lindsborg, McPherson county, Angus; Pearl & Jim McCullough, Medicine Lodge, Barber county, Hereford; O. W. Ash & Son, Medicine Lodge, Hereford; V. W. McMinimy, Sitka, Clark county, Hereford, and Bill Painter, Meade county, Hereford.

Division II—Creep-fed Calves: Duane Mills, Cedarvale, Chautauqua county, Hereford; Fred Willard, Raymond, Rice county, Hereford; Wayne Van Gundy, Americus, Lyon county, Hereford, and T. A. Campbell & Son, Beloit, Mitchell county, Hereford.

Division III — Deferred-fed Yearlings: Marvin Rankin, Gardner, Johnson county; Lavern Nelson, Ruleton, Sherman county; Philip L. Wing, Benedict, Wilson county, and Lester Frey, Manhattan, Riley county.

All above-named winners are plaque winners. Recognition certificates went to 15 Kansas beef cattle men, for outstanding records.

MARKETING VIEWPOINT

By LEONARD W. SCHRUBEN

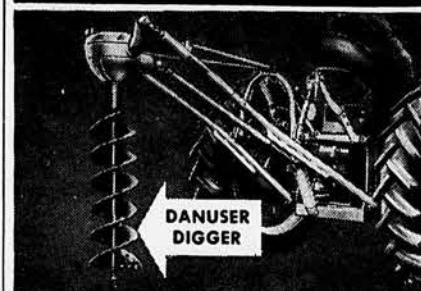
Is there any prospect for a raise in price of wheat in the next 60 days?—R. G. A.

It is possible we might see some slight strengthening in wheat price between now and the time new wheat comes on the market. If so, it probably will be due largely to the tightening of supplies as farmers deliver to the Commodity Credit Corporation beginning the first of the next month. However, I would say prospect for increased price of wheat the next 60 days are pretty poor. After all we have to keep in mind we have a good chance of having well over 2 years' supply of wheat on hand at the beginning of this next marketing season. In similar situations in the past we have almost always had a sharply depressed market beginning about the middle of May thru harvest, reaching a bottom sometime during July or August.

I realize this presents a somewhat gloomy picture for those who may have wheat on hand and not under government loan. However, this year is different from all other years and we may have a different price reaction. I would summarize by saying the odds are about 7 out of 10 that prices will remain steady or slightly lower, and about 3 out of 10 that they will strengthen moderately during the next 60 days. I am referring to Kansas farm prices for wheat.

I would suggest that you follow the prices rather closely. Prices have a habit of changing direction on rather short notice.

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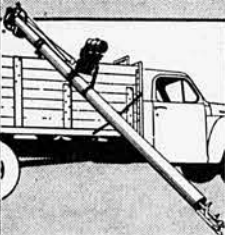
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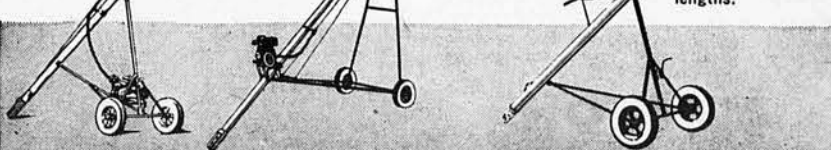


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Rugged working conditions won't slow you down if your tractor rolls on B. F. Goodrich Power-Curve tires. For Power-Curve cleats are pointed with an arrowhead that bites into the soil easily, assures greater drawbar-pull. The cleats are curved to grip the soil. The tread is shaped like a round-pointed shovel to penetrate better, give you full shoulder-to-shoulder traction in reverse or

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Factory Closeout. Two carloads world's finest row crop weed spray outfits. Tremendous savings. Complete, ready to use. Lot number one, 5-pump brass boom complete with leading make pump, T-10 nozzles, controls, accessories. Regular \$140.00. SALE, \$79.50 prepaid. Lot number two, Deluxe 7-row stainless steel boom with finest pump, push button selector valves, etc. Regular \$250.00. SALE \$129.50 prepaid. Also special on hydraulic farm cylinder, 3" bore, 8" stroke, one-way, 7,000-lbs. lift. SALE \$11.95 prepaid. Guarantee to satisfy or money back. Gigantic sale, hundreds of tool equipment surplus items. Card for catalog. Burden Sales Company, Dept. K, Lincoln, Neb.

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In Stock—Tractor Replacement Parts featuring complete sleeve assemblies. Increased bore, aluminum pistons. Farmall H & M, Allis-Chalmers, Case, Oliver, Cockshutt, Ferguson, Minneapolis-Moline, Z, 2A. Exchange blocks 3/5/8" bore 660 oversize aluminum pistons. All assemblies have top chrome ring. Old sleeves worth dollars. Also all Diesel assemblies and motor parts. Twin Cities Welding & Parts, Inc., 2559 Leavenworth, Omaha, Neb.

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New Massey-Harris 55 gasoline tractor; starter, lights, 15x34 tires, \$2,798. LP-Gas equipment furnished slight extra cost; 16-8 grain drill with press wheels, 6:00x16 tires; \$495. Jack Pierson, Box 245, Laverne, Okla.

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Allis Chalmers Roto Baler used 2 seasons, 1950 C-WD tractor, 1949 JD 2A combine, 6-ft. offset disk, No. 4 JD 2-14 Plow, Chester Peterson, Osage City, Kan. Phone 1108.

Irrigation Plastic Pipe with plastic gates, our gates fit pipe you are using. Master Plumbers, Grand Island, Neb.

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For Sale or Trade M-M Bale-O-Matic Baler, McGee Supply, Protection, Kan.

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GALVANIZED CORRUGATED ROOFING

28 gauge, prime.....square \$8.95
2x6's No. 1, 35% No. 2.....100 bd. ft. 9.50
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Monarch Lumber Company

North Kansas City, Mo.

Wire Winder—Avoid barbed wire entanglements, use a tractor-powered wire winder. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

New \$300 Milking Machines, portable floor models, complete and ready to milk \$85.00. F. M. Barber, Bryan, Ohio.

● MACHINERY WANTED

Wanted Whirlwind Terracers—Send price and condition. Bob Carroll Machinery Co., 27th & Adams, Lincoln, Neb., Phone 62337.

Wanted—Low Boy Trailer. Write J. R. Horinek, Atwood, Kan.

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Two Hundred Acres on U. S. 40, 14 miles west of Washington, or 16 miles east of Wheeling, W. Va., 8-room brick house, electricity, hot and cold water; 4-room tenant house with running water. Large bank barn, 25 cow stalls, 4 box stalls; 12x30 silo; 2 chicken houses for 600 layers; brooder house. Large machinery shed; corn crib; 2-car garage. 40 acres alfalfa. One of the best farms in Washington county. Large crops annually and in good state of cultivation. J. B. Emsley, Rt. 2, West Alexander, Pa., Phone 4821.

7,294-Acre Eastern Colorado Ranch, 6,219 dead, 1,075 state lease, 800 acres cultivated, 320 good wheat. Five wells, four miles of living water. Carry 400 cows. New house, R.E.A. good barns and corrals. \$25.00 per acre for deeded. One third down. A. V. Snodgrass, Hugo, Colo.

Real Buy—Quick sale, 750-acre, well improved, level farm, one and one-half mile off main black top, state trunk line, \$15,000 will handle, balance 4 year term. No payments, one half of oil rights reserved; other level wheat land farms, improved and unimproved for sale. A. B. Cahalan, Miller, S. D.

Mixed Farm: Slight roll, all plow, 1/2 fine fruit, nut, grape soil. Frost free. Near ditch proposed irrigation project. New House, outbuildings, full equipment. \$19,000, \$7,000 Cash, balance 4%. J. G. Thomas, Box 381, Vacaville, California.

240-Acre Stock Farm—Heavy loam soil, plenty buildings. With or without stock and equipment, including 40 cattle and 100 sheep. Harold Ritchie, Delton, Mich.

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Watches and Diamonds practically wholesale to wearer direct. Save up to 60% on famous make watches, diamonds, jewelry, silverware, gifts, home needs and other merchandise. Free catalog. America's greatest values. Send name and address to Maryland Distributing Company, Dept. C-38, 501 E. Baltimore St., Baltimore 2, Md.

Stainless Steel Vaporseal 18-8 2-quart sauce pan, \$7.50; 3 1/2-quart, \$8.50; 4-quart, \$10.50; 6-quart, \$13.50; 8-quart, \$14.50. Pressure cooker, 10 1/2" skillet, \$12.50. Major Co., 71 Milford, Springfield, Mass.

Pinking Shears—Only \$1.95 postpaid. Chromium plated, precision made. Manufacturer's Christmas overstock. Guaranteed \$7.95 value or money refunded. Order by mail. Lincoln Surplus Sales, 529 Main St., Evanston, Ill.

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Send For Free illustrated bulletins of attractive, useful gift items. Homecrafts, P. O. Box 25, Lakewood, New Jersey.

Send 5 lbs. Use Woolens for 3 lb. Rag Batt, \$2.00; cheesecloth covered, \$4.00. Litchfield Woolen Co., 303 N. Sibley, Litchfield, Minn.

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3c Deckledge Reprints 3c

Reprints size as negative 3c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 5x7 enlargements for 50c. Four 8x10 for \$1.00. Your favorite photo copied and 10 billfold pictures 65c. **Summers Studio, Unionville, Mo.**

20 DECKLEDGE REPRINTS 50c

6-8 exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints, 4c each. **TINY'S PHOTO SERVICE Topeka, Kan.**

Wisconsin Film, West Salem, Wisc., include a roll of film, same size you send, with below offers. 8 Beautiful 4x6 glossy enlargements from your 8 exposure roll 40c. 12 snappy 4x4 enlargements from your 12 exposure roll 60c. You must enclose advertisement.

Jumbo Prints (deckle edge)—8- to 12-exposure film, 39c per roll, developed and printed. Same-day Service, Dean Studios, Dept. 4, Des Moines 2, Ia.

Sensationally New—16 oversize contact prints or 8 plastic bound superpak album jumbo prints with your first roll 25c. Album Studios, Weatherford, Okla.

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

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

Enlargements—3 1/2x5, 10c; 5x7, 20c; 8x10, 40c. Kokan Enlarging Service, Superior, Neb.

● RABBITS AND PETS

Mynah Birds—Make finest talkers. Learn quick. Herb Miller, 1911-N, Lubbock, Tex.

Giant Chinchilla Rabbits, beef type. Pedigreed, Juniors and bred does. Diamond-Chin Rabbitry, Fort Laramie, Wyo.

● OF INTEREST TO ALL

Free Farm Catalog—packed with values—send today for your 1953 Trading Post bargain catalog. Over 60 pages of sayings on goods for farm and home. Barbed wire and fencing, paints and varnishes, agricultural chemicals, tools, hardware, household goods, and thousands of items at "below-market" prices. Free bonus coupons and free gifts. This bargain catalog sent to you absolutely free. The Trading Post has a warehouse near you! Your free catalog will be rushed to you; just write Trading Post, 1800 Q Burlington, North Kansas City, Mo.

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Boots and Shoes—High grade, fancy, handmade, Western style. Made to your measurement. Latest catalog. Crichton Boot Company, El Paso, Tex.



In the Field

MIKE WILSON

TOPEKA, KANSAS

Livestock Editor

AMONG REGISTERED HOLSTEIN-FRIESIAN COWS in Kansas whose recently completed production records were recorded by the Herd Improvement Registry Department of the Holstein-Friesian Association of America are the following:

J. W. Carlin, Smolan—Amy Chieftain Rag Apple, 545 pounds butterfat, 14,590 pounds milk, 291 days, 2 milkings daily, 3 years 11 months.

R. C. Beezley, Girard—Beezley Farm Burke Diamond, 683 pounds butterfat, 15,516 pounds 4.4 milk, 365 days, 2 milkings daily, 3 years.

Jake Zarnowski, Newton—Zarnowski Tritomia Burke Queen, 452 pounds butterfat, 12,643 pounds milk, 303 days, 2 milkings daily, 5 years 6 months.

St. Joseph's Orphan Home, Abilene—Mt. Joseph Tidy Judy Jane, 633 pounds butterfat, 18,431 pounds milk, 365 days, 2 milkings daily, 4 years 7 months.

Quentin J. Kubin, McPherson—Quin-Dale Payne Babe, 679 pounds butterfat, 19,053 pounds milk, 314 days, 2 milkings daily, 8 years 1 month.

Leo H. Hostetler, Harper—Leohost Vrouka Star Colantha, 555 pounds butterfat, 15,273 pounds milk, 329 days, 2 milkings daily, 3 years 1 month; and Leohost X Reta Alma, 553 pounds butterfat, 16,256 pounds milk, 303 days, 2 milkings daily, 5 years 1 month.

R. L. Evans & Son, Hutchinson—Pay Line Dollie Nancy Pride, 786 pounds butterfat, 19,396 pounds 4.1 milk, 359 days, 2 milkings daily, 6 years 3 months.

C. A. Johnson, Phillipsburg—Cliff Triune Walker Pearl, 487 pounds butterfat, 13,263 pounds milk, 317 days, 2 milkings daily, 2 years of age; and Cliff Triune Korndyke Bobbie, 487 pounds butterfat, 15,617 pounds milk, 344 days, 2 milkings daily, 4 years 11 months.

Hugh Bowman, Larned—Marguerite Full-buckets Pobes, 821 pounds butterfat, 19,826 pounds 4.1 milk, 365 days, 2 milkings daily, 9 years 3 months.

T. Hobart McVay, Nickerson—Macksum Gremlin Dutch Corrine, 489 pounds butterfat, 13,296 pounds milk, 365 days, 2 milkings daily, 4 years 11 months.

Dale Kubin, McPherson—Dale-Mar Reburke Florie, 476 pounds butterfat, 12,677 pounds milk, 344 days, 2 milkings daily, 2 years 8 months.

Higher View Dairy Farms, Hays—C P R Crescent De Kol, 504 pounds butterfat, 13,423 pounds milk, 304 days, 2 milkings daily, 3 years 7 months.

Lester Conner & Son, Lyons—Barker Farm Claridge Tony, 706 pounds butterfat, 17,732 pounds 4.0 milk, 306 days, 2 milkings daily, 6 years 2 months.

Waldo R. Mueller, Halstead—Prairie Flower Homestead Norma, 519 pounds butterfat, 12,594 pounds 4.1 milk, 339 days, 2 milkings daily, 2 years; and Prairie Flower King Alene, 518 pounds butterfat, 14,625 pounds milk, 365 days, 2 milkings daily, 3 years 1 month.

Albert Ackerman, Sabetha—Ackerman Gerben Inka Ormsby, 626 pounds butterfat, 15,398 pounds 4.1 milk, 316 days, 2 milkings daily, 4 years 1 month.

Wilbur C. Sloan, Cleveland—De Kol Beechwood Inka Lass, 532 pounds butterfat, 13,822 pounds milk, 347 days, 2 milkings daily, 8 years 10 months.

Lloyd Shultz, Pretty Prairie—Onabank Triune Duke, 493 pounds butterfat, 12,250 pounds 4.0 milk, 365 days, 2 milkings daily, 1 year 10 months.

Hearne Christopher, Stilwell—Upsadol Ludwig Mendo, 460 pounds butterfat, 13,941 pounds milk, 313 days, 2 milkings daily, 8 years 9 months.

TWELVE HOLSTEIN HERDS in Kansas recently have completed a year of production testing in the official Herd Improvement Registry program of the Holstein-Friesian Association of America.

These are: Dale Kubin, McPherson—20 cows averaged 423 pounds of butterfat and 11,045 pounds of milk in 293 days on 2 milkings daily; St. Joseph's Orphans Home, Abilene—38 cows averaged 430 pounds of butterfat and 12,631 pounds of milk in 304 days on 2 milkings daily; T. Hobart McVay, Nickerson—23 cows averaged 403 pounds of butterfat and 10,766 pounds of milk in 258 days on 2 milkings daily; Leo H. Hostetler, Harper—55 cows averaged 415 pounds of butterfat and 11,447 pounds of milk in 315 days on 2 milkings daily; Quentin J. Kubin, McPherson—21 cows averaged 469 pounds of butterfat and 12,791 pounds of milk in 303 days on 2 milkings daily; Wilbur C. Sloan, Cleveland—17 cows averaged 413 pounds of butterfat and 11,259 pounds of milk in 307 days on 2 milkings daily; Lloyd Shultz, Pretty Prairie—17 cows averaged 426 pounds of butterfat and 12,108 pounds of milk in 307 days on 2 milkings daily; C. A. Johnson, Phillipsburg—15 cows averaged 413 pounds of butterfat and 11,582 pounds of milk in 298 days on 2 milkings daily; Clarence Zarnowski, Halstead—17 cows averaged 478 pounds of butterfat and 13,231 pounds of milk in 308 days on 2 milkings daily; R. L. Evans &

Son, Hutchinson—16 cows averaged 465 pounds of butterfat and 11,972 pounds of milk in 332 days on 2 milkings daily; Lester Conner & Son, Lyons—13 cows averaged 489 pounds of butterfat and 11,249 pounds of milk in 289 days on 2 milkings daily; Albert Ackerman, Sabetha—23 cows averaged 443 pounds of butterfat and 12,341 pounds of milk in 302 days on 2 milkings daily.

Two Kansans are owners of registered Guernsey cows that have completed production records with the American Guernsey Cattle Club.

W. G. RANSOM, Homewood, is owner of Ransom Irene's Ida, who had a production record of 10,354 pounds milk and 520 pounds butterfat on twice daily milking for a 10-month period, starting her record as a junior 4-year-old.

MR. AND MRS. ALBERT W. ECKMAN, Baldwin, are owners of 3 registered Guernseys with records. Una's Eunique, 6-year-old, produced 13,064 pounds milk and 660 pounds butterfat milked 610 times, Walmar R. Thistle, senior 4-year-old, produced 8,719 pounds milk and 468 pounds butterfat milked 582 times, Walmar Val Lillian, senior 3-year-old, produced 8,884 pounds milk and 452 pounds butterfat, milked 582 times.

In the KANSAS HEREFORD ASSOCIATION "BLUESTEM" SALE held at Emporia, April 28, 45 bulls sold for a total of \$13,377 to average \$297. Two hundred fifty head of females brought \$36,720 to average \$170. Top bull was Lot 44, Delford Donald 69th, consigned by Frank R. Condel, El Dorado, brought \$950, selling to Don Breeding, Herkimer. Second top bull was Lot 233, RF Cascade 12th, consigned by A. D. Rayl, Hutchinson, brought \$625 selling to John Redeker, Olpe. Top female was Lot 39, CK Clara Belle 15th, consigned by CK Ranch, Brookville; sold to D. A. Perry, Redfield, for \$560. Second top female was Lot 45, Delford Lady 15th from the Condel herd; sold to George Miller, Jr., Milford. Tom Sullivan, secretary of the Kansas Hereford Association, managed this sale. Auctioneers were Watson and Shaw.

On April 22, 53 head of Polled Herefords were offered for sale by WILLOW CREEK STOCK FARM, owned by John Ravenstein & Son, Belmont. The sale totaled \$14,785 to average \$279. Twenty-eight bulls averaged \$315; 25 females averaged \$239. All females were open heifers. Top bull was Lot 2, Leskan A 86th; sold for \$600 to Frank Bohata & Son, Ellsworth. Three females shared top honors of \$320 each. Top lots were 35 and 36, Lady Leskan 106th and Lady Leskan 108th, selling to Henry Nelson, Chicago, Ill., and Lot 42, Lady Leskan R 1st, selling to Roy Fox, South Haven. Col. Freddie Chandler sold the offering.

In the CHEYENNE HEREFORD FARM DISPERSION AND VANCE WASHINGTON CONSIGNMENT HEREFORD SALE, held at Concordia, the sale total was \$12,114. Forty-five lots were sold. Twelve bulls averaged \$261; 33 females averaged \$272. Top bull was Lot 1, NH Duke Triumph 4th, consigned by Vance Washington, Manhattan, and sold at \$675 to Wendell Intermill, Mankato. Top female was Lot 36, cow and calf combination which totaled \$515; the cow, Royal Lady 2nd, selling to Roy M. Moore, Jamestown, at \$380 and her heifer calf bringing \$135 on bid of Bobby Champlin, Jr., Jamestown. This pair was consigned by Cheyenne Hereford Farms, Jamestown. Col. Gene Watson, Hutchinson, sold the offering.

In the SALINA REGISTERED ANGUS SALE, held April 30, top price on bulls was \$800 on Lot 60, Prince of Orchard Hill, consigned by McQuillan Angus Farm, Clearwater, and selling to D. S. Shaw, McPherson. Top on females was reached twice—Lot 59, Pride 103rd of McQuillan, consigned by McQuillan Farms, sold to Earl Fry, Miltonvale, for \$400, and Lot 131, Miss Burgess 325th of SAF, consigned by Simon Angus Farm, Madison, selling to Joe McQuillan. An approximate average of \$200 per head was reached. Watson, Wilson and Perry sold the offering.

Highbridge Blossomet's Edna, registered 4-year-old Ayrshire in the purebred herd of CHESTER O. UNRUH, Hillsboro, has completed production record of 10,427 pounds of 5.3 per cent milk and 549 pounds of butterfat in 305 days on a strictly 2-a-day milking schedule. According to Chester C. Putney, executive secretary of the Ayrshire Breeders' Association, this record is equal to 10,555 pounds of milk and 572 pounds of butterfat when figured on a mature equivalent basis. The record was made in accordance with the rules of the Ayrshire Herd Test Plan.

A. L. MILLER, Partridge, is owner of High Point Joyce, registered Jersey who recently completed a production test with the American Jersey Cattle Club. Her record was 4,087 quarts milk containing enough butterfat to churn 600 pounds butter. In 305 days of test, the cow produced 8,562 pounds of milk containing 510 pounds butterfat, at age of 3 years and 1 month.

HUGH BOWMAN, Larned, is owner of 14-cow herd of registered Holstein-Friesian cows recently completing a production test with the Holstein-Friesian Association of America. Production was an average of 658 pounds butterfat and 14,009 pounds milk testing 4.1 per cent. Their production averaged about 21 quarts of milk daily for each cow in the herd for a year. Milking was done 2 times daily.

The third annual FLINT HILLS HEREFORD TOUR has been scheduled for July 15 and 16, according to the president of the association, E. S. Tucker, Eureka. This year the tour will be held in the southeast section of the Flint Hills region. All Hereford breeders and anyone interested in good Hereford cattle should plan to attend. More complete details will be announced later.

The spring female sale sponsored by the MARSHALL COUNTY HEREFORD BREEDERS' ASSOCIATION, was held May 4, at Marysville. Forty females and 15 bulls were consigned. Top bull was Lot 11, Tootle Tone 62nd, consigned by Don Breeding, Herkimer, and sold to E. L. Cooley, Altan, for \$375. Top female was Lot 37, Peggy Domino 2nd, and heifer calf at side

Dairy CATTLE**THIRD ANNUAL DAIRY HEIFER AUCTION****Wed., June 10, 1953****118 Head of 2-year-old Holstein Heifers**

Will start calving July 15. Bred to Pure Bred Bulls. Excellent, Native, high altitude, Colorado Heifers. Weight 1100 lbs.

9 miles west of
FORT MORGAN, COLO.

B. H. & R. K. McCONNELL
Owners

Auctioneers: C. E. Reed, Bob Amen

WISCONSIN DAIRY CATTLE

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

WISCONSIN HOLSTEIN HEIFERS

From top-producing herds Tb. and Bang's tested. Well started \$47.00 at the farm.
ROEDER BROS., Seneca, Kan. Phone 33F3

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The MILL STONE FARM ANGUS DISPERSAL SALE was held Tuesday, April 28, at Peru, Ind. Ninety-three lots sold for a total of \$25,225, to average \$271. Six bulls averaged \$346; 87 females averaged \$266. Lot D Mill Stone Eric was top bull, going to Oral Welch, Mentone, Ind., for \$480. Lot 23 was female top; she was Mill Stone Barbara 3rd, going to Edgewood Farm, Columbia City, Ind., for \$500. J. Richard Miller, Peru, Ind., was owner of Mill Stone Angus Farm.

Sixty-five head of Polled and Horned Herefords sold in the JOE MAES SALE, at Osborne, April 21; totaled \$14,421 to average \$239. Eighteen bulls averaged \$286; 47 females averaged \$220. Top bull was Lot 1, WHR Polled Helmsman; sold to Lem Falk, Jr., Pittsburg, Pa., for \$1,300. Female tops were reached twice on Lots 19 and 20, MKP Mary Anna 60th and 61st, both selling to J. L. Crosley, Soperton, Ga., for \$390 each. Vic Roth, Hays, managed the sale. Col. Freddie Chandler, Charlton, Ia., was auctioneer.

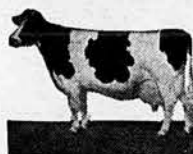
Around 250 breeders and friends of the NORTHEAST KANSAS AYRSHIRE ASSOCIATION held their spring meeting in Effingham, May 1. There were exhibitors from Brown, Nemaha, Douglas, Franklin, Jackson, Osage, Doniphan and Atchison counties represented. John Keas, Effingham, exhibited the senior and grand champion cow and junior champion bull. Earl Moore & Son, Robinson, had senior and grand champion bull. Gene Stillings, Lancaster, exhibited junior champion female. Maynard Lang, Brooklyn, Ia., judged the show.

A. L. MILLER, Partridge, is owner of registered Jersey herd which recently completed a 12-month test with American Jersey Cattle Club. Average production was 8,509 pounds milk containing 490 pounds butterfat per cow. The herd contains 21 Jerseys.

TREND OF THE MARKETS

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

	Week Ago	Month Ago	Year Ago
Fed Steers.....	\$23.50	\$23.00	\$35.25
Hogs	23.90	22.85	21.85
Lambs	27.00	26.25	30.50
Hens, 4 to 5 lbs. ....	.27	.27	.20
Eggs, Standards .....	.45½	.44	.31
Butterfat, No. 1 .....	.56	.56	.65
Wheat, No. 2, Hard	2.43	2.48½	2.48
Corn, No. 2, Yellow	1.62½	1.58½	1.94
Oats, No. 2, White .....	.85½	.87	.92½
Barley, No. 2	1.35	1.29	1.35
Alfalfa, No. 1	—	—	—
Prairie, No. 1	—	—	—

A REMINDER**EAST CENTRAL KANSAS BREEDERS****REGISTERED HOLSTEIN SALE****Tonganoxie, Kansas****Wed., May 20, 1953****5 HIGH RECORD BULLS — 75 SELECTED FEMALES**

See May 2nd issue Kansas Farmer or for further information write or call.

GROVER G. MEYER, Basehor, Kansas

Chairman Sale Committee

GUERNSEY DISPERSAL SALE**Wednesday, June 10, 1953****HILLSBORO, KANSAS****SALE AT 1:00 P. M.**

1 mile east, 1½ south of Hillsboro



25 HEAD OF REGISTERED AND GRADE GUERNSEY COWS
28 HEAD OF BRED GUERNSEY HEIFERS
10 HEAD OF SMALL GUERNSEY HEIFERS

All calfhood vaccinated, Tb. and Bang's tested. Herd averaged in DHIA testing association 423.5 lbs. butterfat and 8,726 lbs. of milk, on twice a day milking.

H. J. REGIER, Owner, Hillsboro, Kansas

C. W. Cole, Auctioneer

GUERNSEY DISPERSAL**Wednesday, May 27, 1953 — 12 Noon**

40 Cows & Bred Heifers, 30 Open Heifers,
2 Herd Sires — All Registered

Entire herd vaccinated for Bang's. — Health Certificates furnished.

For catalog write

SUNFLOWER GUERNSEY FARM, Hillsboro, Kansas, Box 295**More Wool Produced**

Kansas wool production in 1952 was 7 per cent more than in 1951. According to U. S. Bureau of Agricultural Economics and the State Board of Agriculture, 1952 production totaled 4,007,000 pounds and 3,735,000 pounds in 1951.

Number of sheep shorn in 1952 is 484,000 head, or up 11 per cent from the 435,000 in 1951. Average fleece weight was 8.3 pounds compared with 8.6 pounds in 1951. Cash receipts to growers from wool produced in 1952 totaled \$1,803,000 compared with \$3,362,000 in 1951.

More Fertilizer And Feeds Being Sold

A new high in sales of commercial feeds and fertilizers has been reached in Kansas.

John Monaghan, director of control division of Kansas State Board of Agriculture, said also in view of increase in feed and fertilizer sales, the division has found it necessary to step up its testing program. They test feeds, fertilizers, seed, chemicals and livestock remedies, to see whether they comply with the true label laws.

The new laboratory in Topeka is being built, and all analytical work will be done there.

Trend in Kansas in 1952 was towards using more medicinal ingredients in feeds for controlling livestock diseases. This is all right, comments Mr. Monaghan, but farmers should not depend on these ingredients entirely for disease control and eliminates sanitary

control measures and other good farming practices.

The division took 2,191 feed samples which were found to come up to the guarantee. The 454 fertilizer samples taken showed average farmer receives more plant food than was guaranteed to be contained in the material. The division registered 2,220 brands of agricultural chemicals and analyzed 13,109 seed samples. There were fewer samples than usual containing excessive noxious weed seeds. There also was less trouble with low germination on sorghum than usual.

Reporters Enter State 4-H Contest

Here is 4th list of 4-H Club news reporters who have written *Kansas Farmer* for information on 1953 State 4-H Reporters contest. To each we've mailed one of our "Suggestion Sheets" of stories to prepare.

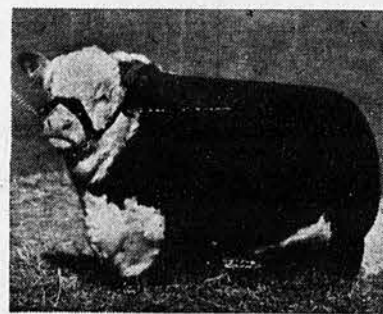
Valeta Adelgren, Rt. 2, Chanute; Connie Lou Griffin, Rt. 2; Lyons; Carolyn Hughes, Broughton; Marshall McLin, Silver Lake; Janet Scott, Wells; Larry W. Becker, Rt. 2, Russell; Wanda Goodwin, Rt. 2, Westphalia; Thais Glenn, Stafford; Dorothy Minear, Lucas; Rosa Lee Urban, Rt. 1, Miltonvale; Diane Kientz, Rt. 5, Manhattan, and Edra Horn, Rt. 2, Glasco.

Several leaders have written also, and Mary Lou Edwards, Greenwood county, asked us for information and "Suggestion Sheets" for reporters in her county.

Any 4-H reporter in Kansas is eligible to enter the contest, sponsored by *Kansas Farmer*.

HENRY SCHWALLER**POLLED HEREFORD DISPERSION****JUNE 5, 1953**

Hays Sale Pavilion

HAYS, KANSAS

Selling 37 Lots
2 BULLS — 35 FEMALES

1 Herd Sire, KHR Royal Plato 17th, son of Real Plato Domino 26th. 1 yearling son of the 16th. 27 Cows, some with calves by side sired by KHR Royal Plato 16th and other cows bred to the 16th. Cows sired by Real Plato Domino 26th, Real Plato Domino 50th and ALF Blocky Boy 11th. 8 Open Heifers sired by Real Plato Domino 26th.

For sale catalogs write

VIC ROTH, Sale Manager

Box 702

Hays, Kansas

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

Beef CATTLE**FREE CATTLE BOOK**

50 pages of profitable suggestions and interesting pictures on selecting, breeding, fitting and showing Angus... absolutely free to you. Ask for "Cattle Raising at its Best." Put your name and address on a card and send now to

AMERICAN ANGUS ASSOCIATION
CHICAGO 9, ILLINOIS

Sunflower Farms ANGUS**Herd Sires:**

Ever Prince Revolution 2nd
Homeplace Elleenmere 304th.
Ever Prince of Sunflower.

Cattle of both sexes for sale at all times. We have bred and sold some of the top winners and selling cattle at the larger shows and sales throughout the country. When in need of good breeding stock pay us a visit.

Sunflower Farms, Everest, Kansas
Jim, Keith and Bob Swartz, Owners

ABERDEEN-ANGUS CATTLE

Cows and heifers. Also bulls, various ages. Bargain prices.
UNRUH ANGUS FARM, Moundridge, Kansas

NOW OFFERING**SERVICABLE AGE BULLS**

Heavy boned, well grown for farmers, ranchers or purebred breeders of Polled Herefords.

PLAIN VIEW FARMS

JESSE RIFFEL & SONS, Enterprise, Kansas

4-YEAR-OLD**POLLED HEREFORD HERD BULL**

PVF Advancemore, 10 half-brothers to reserve champion at Fort Worth 1951. A real bull at a reasonable price.

IRL TINKLER, Gypsum, Kansas

High Quality**POLLED HEREFORD BULLS****OF SERVICEABLE AGES**

Sired by Polled sons of C. K. Cadet bloodlines intensely Polled thru 40 years of constructive breeding.

REASONABLY PRICED**GOERNANDT BROS.**

Ames, (near Concordia) Kansas

CLOSE-OUT SALE OF**25 HEREFORD BULLS**

Yearlings, Two- and Three-year-olds.

These bulls are rough fed, not pampered, for rugged, dependable service. Sired by H. Lassie's Tone 21st by Lassie's Tone 8th and FRC Rupert 3rd, a grandson of Hazford Rupert 25th, and Leaton—the 2 highest register of merit Herefords bred by the late Robert H. Hazlett. These bulls are out of good big smooth rugged typey Hazlett-bred cows. Priced to fit the current market trend.

We have bred Reg. Herefords since 1922 with direct Hazlett-bred sires.

P. F. HANSEN

6 1/2 north and 1 east of Hillsboro, Kansas

REG. HEREFORD BULLS

10 to 18 months old. Sired by: OJR Jupiter Star 12th, Domino Lad KTO 11th and E. Elation 22. Too range and herd bull prospects.

WAITE BROS., Winfield, Kansas

1/2 Blood Charbray Bull Calf
7 months — tops in quality — best of breeding.

Young Reg. Brahman Bulls

At Stud: Palomino Stock Horse.

Intelligent and beautiful

BOB MCGINNESS, Lathrop, Mo., Phone 500

HOGS

REGISTERED HAMPSHIRE WEANER PIGS
For Sale. Last Fall Glits, bred or open, Young Boars. Prices and bloodline on request. Special prices to FFA or 4-H Club members.

T. E. Duncan, Ft. Morgan, Colorado

REGISTERED DUROC BOARS

You will like, sired by Hillside Distinction and Hillside Pioneer. Weights up to 325 lbs.

LESLIE STEWART, Americus, Kansas

Livestock Advertising Rates

Effective February 1, 1951

1/4 Column inch (5 lines)...\$3.50 per issue
1 Column inch.....\$9.80 per issue
The ad costing \$3.50 is the smallest accepted. The smallest public sale ad accepted is 1 column by 2 inches, costing \$19.60.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Tuesday, eleven days before.

MIKE WILSON, Livestock Editor

8th & Jackson

Kansas Farmer - - Topeka, Kansas

Kansas Soybean Crop In 1952 Set Record

Top county in Kansas in 1952 in soybean production was Cherokee, with total of 635,500 bushels. Anderson county was close second, with 611,300 bushels. State production of 7,360,000 bushels was highest on record.

The State Board of Agriculture and U. S. Bureau of Agricultural Economics report 3 other counties each produced more than a half million bushels in 1952. They are Linn, 603,400 bushels; Franklin, 592,800, and Crawford, 568,700. Seven top counties produced 3,910,000 bushels or 53 per cent of the 1952 crop.

Soybeans were planted on 703,000 acres with 640,000 acres harvested for beans. Yield of 11.5 bushels per acre compares with 14.5 bushels in 1951 and 10-year (1941-50) average of 12.3 bushels per acre. Total acres harvested for hay were 35,000 and 55,000 acres were abandoned, due mainly to drouth and late seeding.

East central and southeastern counties were top-producing areas in 1952, producing 94 per cent of state's crop. Cherokee led in acreage harvested for beans, with 62,300, followed by Coffey county with 52,300 acres, and Crawford, with 51,700 acres. Douglas was high in average yields per acre, with 20.2 bushels.

Public Sales of Livestock**Jersey Cattle**

May 16—Hyer Quality Classic Sale, Springfield, Mo. Chester Polick & Sons, Sales Managers, Springfield, O.

May 19—Thomas Tollefson, Willis, Kan. Sale at Horton, Kan. Ivan N. Gates, Sales Manager, West Liberty, Ia.

Holstein Cattle

May 20—East Central Kansas 3rd Annual Holstein Sale, Tonganoxie, Kan. Grover Meyer, Sales Manager, Basehor, Kan.

June 10—B. H. & R. K. McConnell, Fort Morgan, Colo.

Aberdeen-Angus Cattle

May 19—The Golden Plains Dispersion Sale, Colby, Kan.

July 20—Simon Angus Farm, Madison, Kan.

Hereford Cattle

May 18—Lawrence Silver Reduction Sale, South St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

May 29—Heck Herefords, Lawrence, Kan.

June 10—L. J. Navran, Belton, Mo. Sale at F. Owens Pavilion, Belton, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

September 7—Lee M. Smith, Claremore, Okla. Complete Hereford dispersal.

September 28—4E Ranch, Topeka, Kan.

October 1—Broken Winecup Ranch, Marion, Kan.

October 5—Cleeks & Cleland, Baldwin, Kan.

September 5—Jay L. Carswell & Sons Dissolution Sale, Alton, Kan.

October 7—Brown Bros. & Streeter Funk, Fall River, Kan.

October 29—Kansas Flint Hills Association, Cottonwood Falls, Kan.

November 4—Lincoln County Hereford Association, Sylvan Grove, Kan.

November 6—Cowley County Hereford Breeders' Association, Arkansas City, Kan.

November 11—W. H. Tonn & Son, Haven, Kan.

November 23—Solomon Valley Hereford Association Sale, Osborne, Kan.

December 4—South Central Hereford Association, Newton, Kan.

Guernsey Cattle

May 27—Arthur H. Penner Dispersal, Hillsboro, Kan.

June 10—H. J. Regier Dispersal of Guernsey Herd, registered and grade, Hillsboro, Kan.

Polled Hereford Cattle

May 20—Golden Willow Ranch, Liberal, Mo.

July 11—Joe O'Bryan Polled Hereford Sale, Hiettville, Kan.

September 28—4E Ranch, Topeka, Kan.

November 2—Frank Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma.

November 20—Central Kansas Polled Hereford Association, Herington, Kan. O. J. Shields, Sales Manager, Lost Springs, Kan.

Red Poll Cattle

November 11 & 12—Annual meeting and National Sale, Topeka, Kan. F. A. Sloan, Secretary, 3275 Holdrege St., Lincoln, Nebr.

Shorthorn Cattle

October 19—Shorthorn and Polled Shorthorn Sale, Cambridge, Nebr. Thos. Andrews, Sales Manager, Cambridge, Nebr.

Corriedale Sheep

July 27-28—All-American Corriedale Breeders Show and Sale, Columbia, Mo. Rollo E. Singleton, Secretary-Manager, 108 Parkhill Ave., Columbia, Mo.

Duroc Hogs

June 15—Earl Martin & Son, DeKalb, Mo. Sale at South St. Joseph, Mo.

Suffolk Sheep

June 8—Warrick & Rock, Oskaloosa, Ia.

Sheep—All Breeds

May 16—Valley View Ranch 4-H and FFA Lamb Sale, Haven, Kan.

June 19-20—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, care State Department of Agriculture, Jefferson City, Mo.

HECK HEREFORD SALE

May 29, 1953 LAWRENCE, KANSAS

The sale will be at the Ranch, 6 miles west of Lawrence on Highway 24.



LARRY DOMINO M 76
MW Larry Domino 92
4678881

Princess Domino H 100
4115043

REAL PRINCE DOMINO 224

Real Prince Domino 33
2140675

Miss Onward A
2220718

Larry Domino 50 2624412

Colorado Princess J 277 3391512

Princess Domino R 79 2594833

Domino Lass 80 2875365

Real P Domino 1689580

Belle Domino 113 1416822

Real Prince Domino 1689580

Miss Onward 1810802

Larry Domino
Miss Sturgess
Colorado Domino 237
Princess Domino 500
Princess Domino Return
Princess Domino 41
Lester Domino
Kinsley Lass 80

Prince Domino
Belle Domino
Princess Domino
Miss Wilton
Princess Domino
Belle Domino 115
Onward Domino
Miss Domino

70 LOTS — 90 HEAD

Selling 9 Bulls, 1 Herd Bull Raylford M Lad 5 by WHR Monarchs Lad. See his calves—they are big and rugged.

8 Yearling Bulls. 61 Females. 25 Cows with calves.

16 Bred Heifers. 20 Open Heifers

The cows are good producers. Their calves are by Larry Domino M 76 and Raylford M Lad 5. The bred cows and heifers are bred to the same sires. The entire offering will be selling in practical condition without any special fitting.

We are giving a daughter of Larry Domino M 76 free to some lucky buyer.

For catalog please write

HECK HEREFORD RANCH

Lawrence, Kansas, Route 3

FRED HECK and HOWARD HECK, Owners

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

Attention Registered Hereford Breeders

Commercial Breeders — Farmers

Plan now to attend the L. J. Navran Stock Farm's Big

REGISTERED HEREFORD DISPERSION SALE

Wed., June 10, 1953

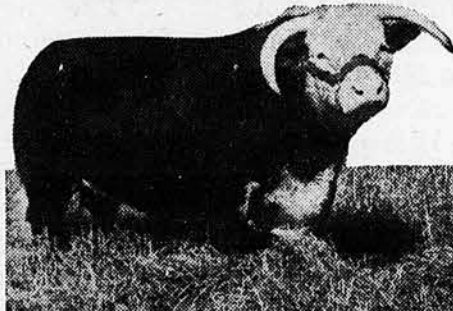
12 o'clock noon at the new modern
Fred Owens Sale Pavilion

Belton, Missouri

150 Head Sell in the Big Dispersion Sale

Herd bulls, 2-year-old ranch bulls—yearling bulls, cows and calves, bred cows and heifers, open heifers. All tested for TB and Bang's.

Larry Domino, Plus Lamplighter, Royal Rupert and other popular bloodlines. Right out of the pastures—a real opportunity.



PLUS LAMPLIGHTER

Write today for sale catalog to

DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.

Auctioneers: Fred Chandler and Donald J. Bowman

BIG OPPORTUNITY — MARK THE DATE

Attend the Lawrence Silver's Registered Hereford Big Herd Reduction Sale

Monday, May 18 — 12:30 Noon

at the Purebred Livestock Sale Pavilion

South St. Joseph, Mo.

80 Head Sell in This Big Reduction Sale
13 big 2-year-old bulls ready for heavy service, 34 Cows, many with calves at side, many to calve soon, 5 Bred Heifers, 15 Open Heifers. Cattle right out of the pastures. All tested for TB and Bang's. Larry Domino, Hazlett, Blocky Mischief, Baron Domino, Lamplighter, JCP Larry Domino and American Triumph breeding.

Write today for sale catalog to Donald J. Bowman, Sales Manager, Hamilton, Mo.
Auctioneer, Fred Chandler



June 6

Will Be Our Next Issue

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

Tuesday, May 26

If your ad is late, send it in Special

Delivery to 8th & Jackson
Kansas Farmer, Topeka, Kan.



IT TAKES A LOT OF MONEY to run a home. Going over their family costs for the year are Mr. and Mrs. Winston P. Corbett of Chicago. Mr. Corbett, an accountant, has been employed by Standard Oil for more than 26 years. Having kept family budgets for 24 years, he knows how important it is for both a family and a business to be on a sound financial basis. In many ways, he says, business and family budgets are much alike.

Where does the money go?

"EVER TRY TO EXPLAIN to your wife what happened to all the money you've earned in a year's time? Well, pleasant or not, reviewing expenditures is something every family is confronted with. And every business, too. I know. I'm an accountant in the Comptroller's Office at Standard Oil and I have put in many an hour on the figures that go into the annual financial report of Standard Oil and its subsidiary companies. I've found that the financial problems of company management are a lot like personal financial problems.

"Like you, Standard Oil took in a certain amount last year—\$1,853,709,920 to be exact. Here's what happened to it.

"Most of it—59.9%—represented the cost of things we had to buy such as crude oil, materials and services, plus charges made for wear and tear. These items compare roughly to what it costs you to feed, clothe

and house your family.

"The next biggest item—even bigger than our payroll—was taxes. Taxes accounted for 17.8% of what we took in. While that figure includes our own taxes and those we collected from customers for national, state and local governments, it does not include the many 'hidden' taxes that everyone pays.

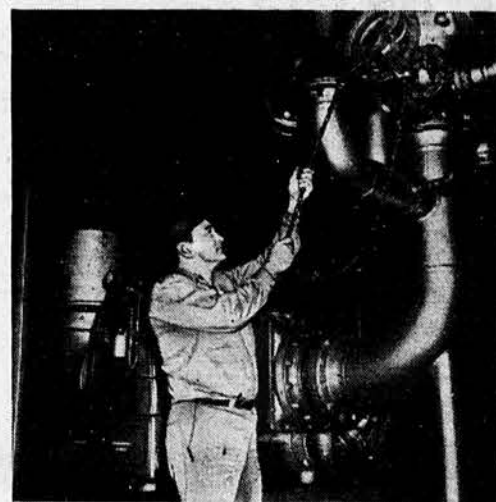
"The wages, salaries and benefits for our more than 51,000 employees accounted for 15.9% of the total amount taken in.

"To serve our customers better, we used 3.9% for investment in facilities such as oil wells, refineries and service stations.

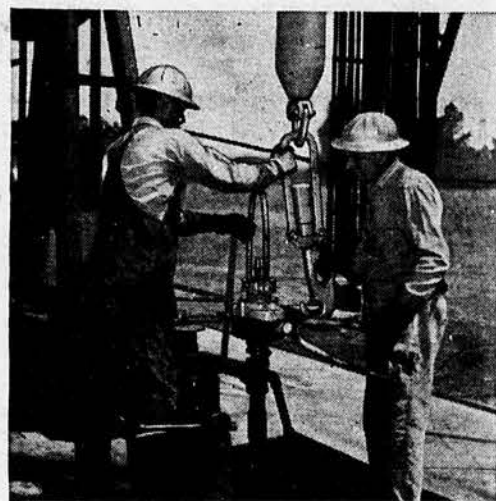
"That left 2.5%. We paid this in dividends—as a return on the investment of our more than 117,000 stockholder-owners, of whom more than 24,000 are employees.

"That's where all the money went and we feel sure you'll agree it was used to serve you well."

Standard Oil Company



IT TAKES A LOT OF MONEY wisely spent to assure our more than 51,000 employees steady work, above-average earnings and financial protection against such emergencies as sickness and accidents. Modern oil industry equipment, though costly, helps increase the productivity and the earnings of employees like Everett Levitt, above, of our Whiting refinery. A single structure such as a catalytic cracker may cost several million dollars.



IT TAKES A LOT OF MONEY to find new oil reserves. Drilling a well in an unproved area may cost anywhere from fifty thousand to more than a million dollars. There's a big risk, too. On an industry-wide average, the odds are eight to one against a "wildcat" drilling operation discovering commercial quantities of oil. Despite this, Standard Oil is searching continually for new sources of oil, helping to build up the nation's petroleum reserves.



IT TAKES A LOT OF MONEY to provide the distributing system that enables you to buy petroleum products right at your door at amazingly low prices. A tanker may cost \$5,000,000; one mile of pipeline may cost \$35,000. And the big truck that Standard Oil Agent S. J. Ball (above) drives is expensive, too. Mr. Ball is talking to his customer, Dale Maples of Nixa, Missouri. The great efficiency of all this costly equipment helps to keep the price of petroleum products at a remarkably low level.