

Kansas Farmer

APRIL 12, 1952



PRESIDENT of Kansas Purebred Sheep Breeder's Association is W. A. Lytle, Wellsville, shown here with Shropshire rams he has nominated for state sale at Hutchinson, May 12.



SOUTHDOWN RAMS from flock of Felix Krehbiel, Elyria, left, being examined by inspection team composed of Tommy Dean, LeRoy McCash and Eugene Brinkman.

Sheep Breeders Celebrate in May

Ram sale at Kansas City, annual show and sale at Hutchinson are highlights of sixth anniversary

TWO important ram sales to be held in May are throwing the spotlight on the 6th anniversary of a progressive farm group, the Kansas Purebred Sheep Breeder's Association. The first ram sale will be held at Kansas City, May 1, as an afternoon feature of the Kansas City Lamb and Wool School. Between 50 and 60 selected rams will be auctioned, starting at 1 o'clock at the stockyards. [Continued on Page 38]



GETTING RAM READY for sale is Virgil McClure, Newton, an association director. Rams must be closely sheared after March 1, so inspection committee can examine them for type, conformation and defects.

AN ASSOCIATION organizer and past president is Waldo Poovey, Westphalia. Here he poses with one of his good Hampshire rams.

- He Can Make Anything.....Page 4
- More Strawberry Questions.....Page 13
- Some of Our Favorites.....Page 31

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Find Silage Beats Wheat

GROWING feed for silage is stabilizing income, providing a rotation crop and actually paying off better than the wheat it is replacing on the Seward county farm of F. E. Harnden and Son, Dennis. Losing 3 wheat crops in a row hit pretty hard, so a 4-year rotation—wheat, wheat, feed, fallow—was worked out. This is their 2nd year for silage and the Harndens are full of enthusiasm about it.

Two kinds of feeding were tried last season of the 342 head, 235 head on silage made 1.6 pounds of gain per head per day and 107 head on wheat pasture averaged 1.4 pounds per head per day.

Both lots, fed for Dick Robbins Ranch at Guymon, Okla., were on the Harnden place 120 days. Six tons a day, 720 tons of silage altogether were fed from 3 trench silos. One silo remained over half full when the feeding period was up.

Cattle on wheat pasture had no cake or hay. Water was trucked in. There was also pasture fencing cost. About 800 acres were used for pasturing. Harndens figure a \$38 per acre net return on their 150 acres in Norkan for silage—that beats their wheat income from the same land and they like the security of the feed crop.

Watch Out for New Poison Weed

Halogeton, livestock-killing poison weed now causing great concern in some range lands, has not yet been positively identified in Kansas. Vernon Woestemeyer, state weed supervisor for the Kansas State Board of Agriculture, recommends precautionary measures.

In Western Kansas recently 2 farmers thought they might have seen some halogeton around a livestock pen along a railroad, and it is likely first infestations will occur in such a place, says Mr. Woestemeyer. Each spring, a close watch should be kept for halogeton plants as it is a spring-growing annual. Closely related to Russian thistle, it usually grows 6 or 10 inches tall. This weed seldom is able to get started in a good grass sod, is likely to occur in pastures around water holes and places stock loiter and keep grass tramped out. Reported to be effective on this weed is 2,4-D. Halogeton has a tumbling nature, and lightness of seed which can travel miles in a steady wind. Suspensions of the weed should be reported to county agent, or to Mr. Woestemeyer.

Kansas Host to U. S. Isotopes Meet

Kansas State College will be host to a 2½-day conference on use of isotopes in plant and animal research, June 12 to 14. Sponsors of the event are the college, Argonne National Laboratory and the Isotopes Division of the U. S. Atomic Energy Commission. Requests for information on program, housing and other items should be directed to Director R. I. Throckmorton, Kansas Agricultural Experiment Station, Manhattan. Progress reports on using isotopes in agricultural research will be given at the event.

KANSAS FARMER

Continuing Mail & Breeze

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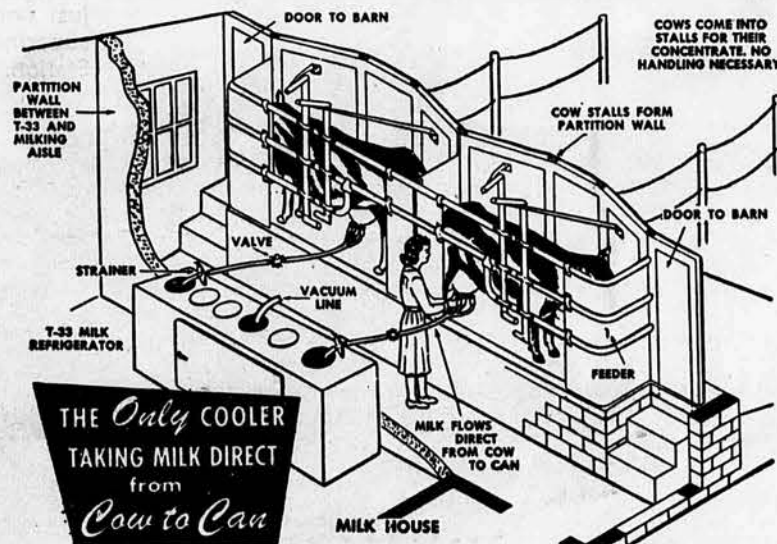
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It's easy to do a little "shopping" in the advertising columns of this particular issue.

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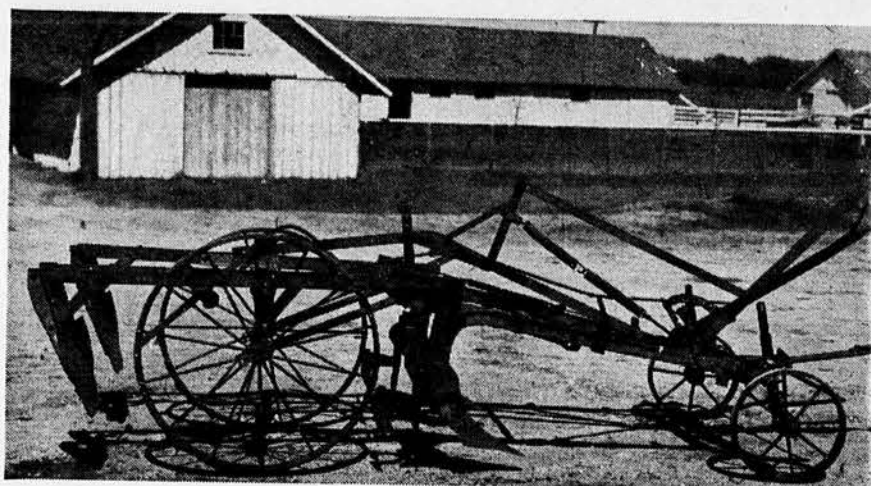
Worth Its Weight in New Discoveries

Hays Experiment Station greatly benefits whole state. Largely responsible for its excellent progress and expansion is L. C. Aicher, superintendent for 30 years

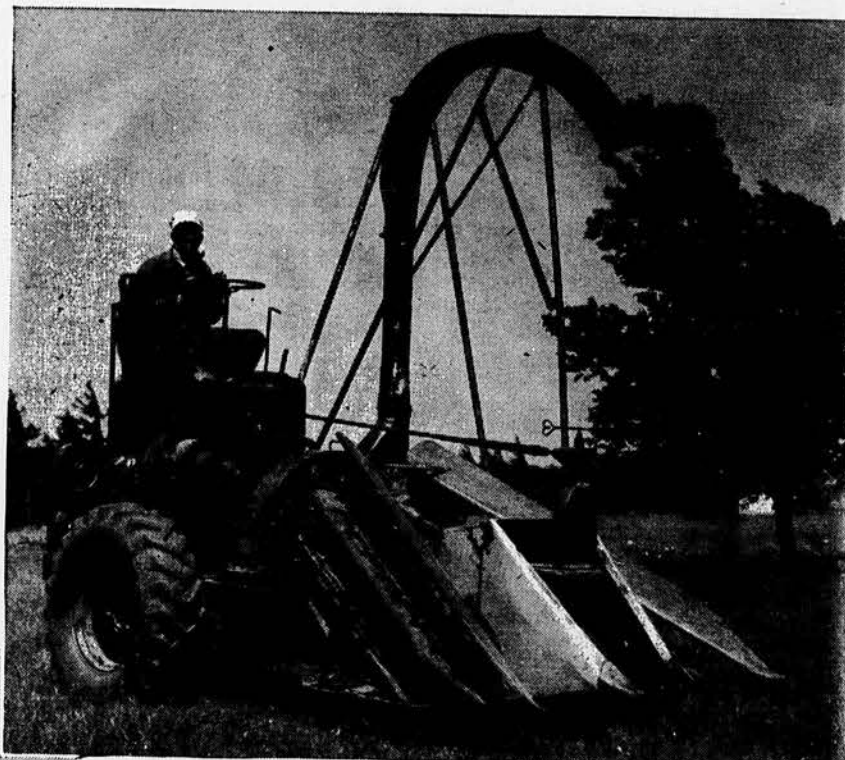
By DICK MANN

Editor's Note: This is second of 2 articles on history of Fort Hays Branch Experiment Station during 31-year tenure of L. C. Aicher, superintendent, who retires in July. This article deals with Mr. Aicher's development of farm machinery on the station that resulted in equipment years ahead of its time.

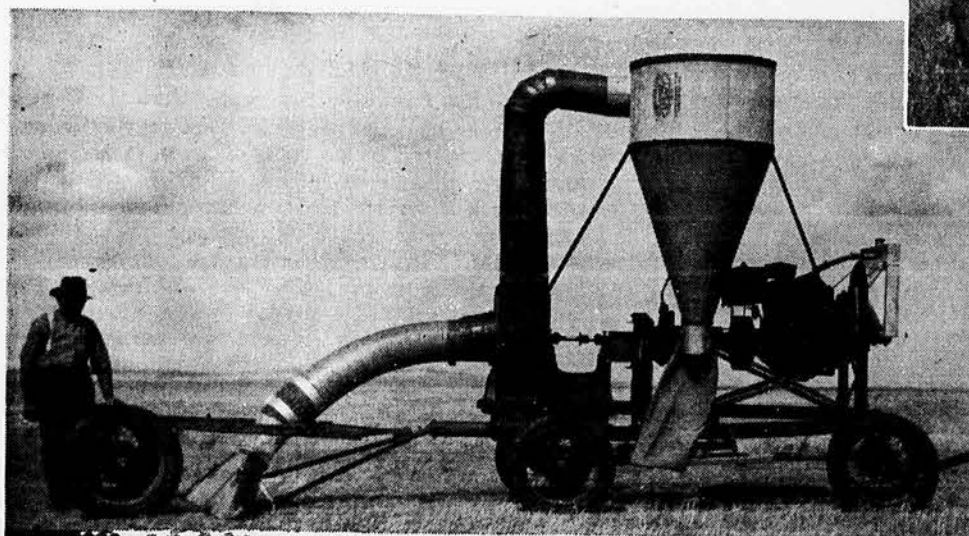
AS I SAT in the office waiting room at Fort Hays Branch Experiment Station for an early-morning appointment with L. C. Aicher, superintendent, a burly figure came dog-trotting up the sidewalk from the driveway. It was Mr. Aicher. "I have a few details to take care of around the yards and then I'll be right with you," he said. The door slammed and I watched him dog-trot back to the car. It seemed impossible this vigorous man was scheduled for retirement in July. In fact, his untiring energy and knowledge of machinery [Continued on Page 28]



DESIGNED AND BUILT in early 1930's by Mr. Aicher, this first basin lister used in Kansas helped farm operators hold a 3½-inch rain without runoff.



COST OF SILAGE MAKING at Hays Station was cut 62 per cent with this 2-row, self-propelled machine designed and built at the station. It is not yet in commercial production.



FIRST SUCCESSFUL ATTEMPT to harvest Buffalo grass seed at Hays Station was made with this huge vacuum sweeper machine designed by Mr. Aicher.

THIS WEIRD CONTRAPTION was L. C. Aicher's conception of a pickup baler in 1927, years before pickup balers came on the market. It was just one of many machines contrived by the superintendent of Fort Hays Branch Experiment Station.



Kansas Farmer

News and Comment

Oldest Farmer's Institute

THANK you, folks, for setting us right about the oldest farmer's institute. On the cover page of *Kansas Farmer* for April 5, 1952, we stated officers of Watson Farmer's Institute, in Shawnee county, believes they have the oldest one in Kansas. "Not so," writes Juanita Reynolds, of Cowley county—see her letter, "Oldest Institute," on page 6. "Not so," comes also from Mrs. Ray W. Engler, Shawnee county, who writes, "December 7, 1951, Oak Grange No. 665 held its 65th annual Farmer's Institute. Oak Grange is about 3 miles southwest of Topeka. Milan Smerchek was president. Ray Engler is president-elect for 1952. Institute always is held early in December."

Your letters greatly appreciated, Juanita Reynolds of Cowley county and Mrs. W. Engler of Shawnee county. The Editor of *Kansas Farmer* would like to hear about any older Farmer's Institutes than have been mentioned so far.

It's Your Money

IN BRIEF, here is what foreign aid costs you. U. S. gifts, grants and "loans" to foreign countries since 1940 have totaled 72 billion dollars. That is slightly more than the Federal Government will collect in direct and hidden taxes of all kinds from all Americans this year. It is more than was spent by all presidents combined, from George Washington to Warren Harding, including costs of the Revolutionary War, the War of 1812, the Mexican War, the War Between the States, the Spanish-American War, World War I and numerous intervening Indian wars, says the U. S. Chamber of Commerce.

That 72 billion dollars the U. S. has spent for foreign aid since 1940 is almost 4 times the 19 billion dollars net income from farming in the U. S. last year. It is half as much as the 143-billion-dollar total value of all U. S. farms, buildings and equipment.

The Federal budget calls for spending 10½ billion dollars the next fiscal year. You will have your own opinion about its value.

Water Management

WHAT is meant by "water management" on the farm? You read a lot about it these days but very little regarding what it really is.

For this reason we think you will be interested in the following definition offered by C. R. Jaccard, Kansas State College extension economist. He says:

"Water management is the process of get-

ting rainfall into the soil where it falls, and getting surplus water into natural drainage-ways with least damage to soil and crops.

"Water management is delivering silt free water into main channels.

"Water management aids in control of soil erosion, reduces flood damage, and increases crop yields. A 50-bushel corn crop uses 5 acre inches of water.

"Water management is the most important job in farming if you want your son to farm the land you bought.

"Water management provides additional ground water that your crops need in dry seasons.

"Water management provides a convenient and plentiful supply of drinking water so necessary for satisfactory livestock production.

"Water management distributes watering facilities over grazing land, encouraging more uniform grazing and resulting in improved grass cover.

"Water management saves time, labor and equipment by controlling gullies that make little fields out of big ones.

"Water management eliminates need for hauling water or driving livestock to water.

"Water management is governed by topography of land and type of soil, crop rotation to be used, and type of farming selected.

"Water management reduces erosion damage around the farmstead and makes possible landscaping and farmstead beautification.

"Water management is the first step in obtaining increased farm income and better family living."

These 12 points can help you check up and know for sure whether you have a really good water management system at work on your farm.

To Reduce Labor

MAYBE you had thought of this. "Altho the American dairy farmer has rapidly increased the yearly production per cow, he has not appreciably reduced the amount of labor necessary to care for the herd," says H. B. Bradshaw, of the DeLaval Separator Company, Chicago. "By use of a milking parlor and a centralized system of milking, labor demands have been reduced by 37 per cent, while number of cows to be milked has been increased by as much as 73 per cent." He urges when you build a milking parlor to keep it simple, keep it practical and build it for good sanitation.

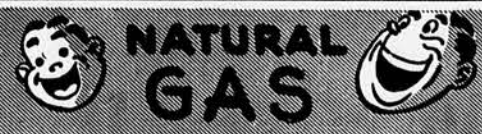
Kansans in Demand

A FORMER Kansas State College agricultural economics professor, Dr. Eric Englund, has been named American agricultural attache at London. He formerly was assistant director of USDA Office of Foreign Agricultural Relations.

An appointment as U. S. economic officer of agriculture to Copenhagen, Denmark, has been accepted by John Sjo, Kansas State College agricultural economics instructor.

Following a month's training in Washington, D. C., Mr. Sjo will go abroad thru Office of Foreign Agricultural Relations and the USDA. He will gather information on agricultural products raised in Denmark. A native of Salina, he is a Kansas State College graduate.

A native Kansan has been named director of information for California Farm Bureau Federation, at Berkeley, Calif. Frank H. Cooley, agricultural economics graduate of Kansas State College in 1937, formerly was



"Parents are odd psychologists. They say to the 5-year-old, 'A little bird told me,' and then wonder why he swats the canary with a poker!"

"Cousin John lost his car recently. Says he knows it was stolen by professionals, as no amateur ever could start that car!"

"Did you ever hear about the termite's nightmare? He dreamt he dwelt in marble walls."

"Don't learn farm work by accident!" Do it the safe way every day.

"A strand of wire can lift a load of a few pounds. But put a charge of electricity thru that wire and it can move tons."

"Lots of folks have had an eye on the President's chair—but couldn't get their seat there."

"Worst case of indigestion I ever had came from being forced to eat my own words."

"Don't believe half truths. You may have heard the wrong half."

farm program director for radio station WHAS and WHAS-TV at Louisville, Ky.

Mr. Cooley and his wife, former Lorraine Havelly of Jackson county, were active 4-H members in Kansas. Both won Carl Gray 4-H college scholarships, following active years of project work, exhibiting and judging. Mrs. Cooley's sister, Mrs. Willa Schmidt, former active 4-H'er, also is at Berkeley.

Oldest Mule?

WHO has the oldest mule? John L. Wingert, Lyon county certified seed grower, wonders who has the oldest mule or horse in Kansas. As his candidate he enters "Jen," foaled in 1919. She will celebrate her birthday with 33 candles on her oats bucket this spring.

Jen is the mule aristocrat of the Wingert barnyard by reason of a life of ease. She was retired in 1944 and hasn't done a lick of work since. Mr. Wingert says she earned full advantages of social security—the kind that always has been available on the farm.

Dairymen, Attention!

THOSE of you who are following spring dairy shows will want to catch the following corrections on earlier reports:

The Southern Kansas Guernsey show will be held at Newton, April 23, South Central Jersey Show will be held April 23 at Kingman rather than Caney, as previously reported. Sorry this mixup in dates and places occurred.



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"Want a good laugh, Dad . . . sir?"

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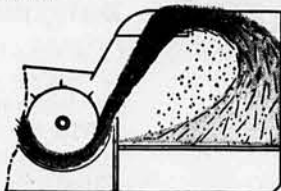


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Oldest Institute

Dear Editor: "Oldest Farmer's Institute?"—in a word, No! Here in Cowley county we annually hold a Farm and Home Institute, and have since 1892. I am enclosing the program from our last meeting.

While serving as secretary a few years ago, I became interested in the history of institutes. I have, in the past, talked with Roy Freeland, secretary of State Board of Agriculture, and I did research in State Historical Museum in Topeka seeking information on history of institutes. I hit pay dirt late last fall. I feel I have all available information on the history of our local Farm and Home Institute, as well as having source material on the founding of Farmers' Institutes in Kansas. Reputedly, they were the first Farmers' Institutes in the World.—Juanita Reynolds, Cowley Co.

Editor's Note: *Kansas Farmer's* cover page story April 5, 1952, stated officers of Watson Farmer's Institute, Shawnee county, believe they have the oldest farmer's institute in Kansas. Any older than the one in Cowley county? —R. H. G.

Lease Two Fields for Experimental Purposes

KANSAS STATE COLLEGE agricultural studies have been expanded with leasing 2 new fields, announces Dean R. I. Throckmorton. One is a 240-acre tract near Ottawa and the other is a 160-acre tract near St. John.

The 1951 state legislature made available funds for establishing a field in Central East Kansas. These funds have been supplemented by \$5,000 from the Thurston Chemical Company, Joplin, Mo., also a cash grant from the Thompson Phosphate division of International Minerals and Chemicals, Chicago.

"In developing plans for the field (Ottawa) we have concentrated on 2 principal problems," says Dr. H. E. Myers, head of Kansas State College agronomy department. They are: "First, grassland agriculture and, second, soil fertility. One hundred and sixty acres of the farm will be devoted to grassland studies, including grazing animals on experimental pastures. The other 80 acres will be devoted to plot work." It is hoped to establish pastures this fall.

Woodson silt loam is predominant soil type of a 9-county area, including Johnson, Shawnee, Douglas, Osage, Franklin, Miami, Linn, Anderson and Coffey. On the Ottawa tract in the Woodson silt loam district, 30 acres of

Nemaha oats have been seeded. Other plans call for seeding Perry soybeans, a recently released variety described to you in April 5 *Kansas Farmer*. The Mathieson Chemical Company is making available a considerable quantity of fertilizer material for use on both fields.

The St. John tract is the former county farm, 2½ miles south of the city. Three problems are to be studied: (1) Control of wind erosion (by establishing and maintaining a stubble-mulch cover on ground and using special tillage equipment to keep stubble on surface); (2) improving fertility and production of sandy land (with legumes and commercial fertilizers), and (3) use of grasses and legumes best suited to the area. The St. John field, according to Doctor Myers, "is not the best of sandy soils but is representative of a large area."

Altho plans do not call for a full-time resident agronomist at Ottawa until June 1, Kansas State College agronomy farm machinery already has been used in crop work there. Recommendation has been made to the State Board of Regents for full-time agronomists to be named for each of the fields. According to Doctor Myers the Board has had no opportunity to approve the men.

Many a Handy Thing



ATTACHING portable electric motor to his homemade drill press is Vernal Fehr, Lyon county. Base for drill press is old car rim. Upright post is 2-inch pipe attached to base by metal plate welded to post and bolted to base. Shaft and gears are out of car starter. Only purchased parts are chuck and pulley wheel. Mr. Fehr has made many handy things in his shop, including a ditch digger attachment for his tractor. With this digger he put in 1,500 feet of ditches to pipe water from his pond to poultry and livestock.

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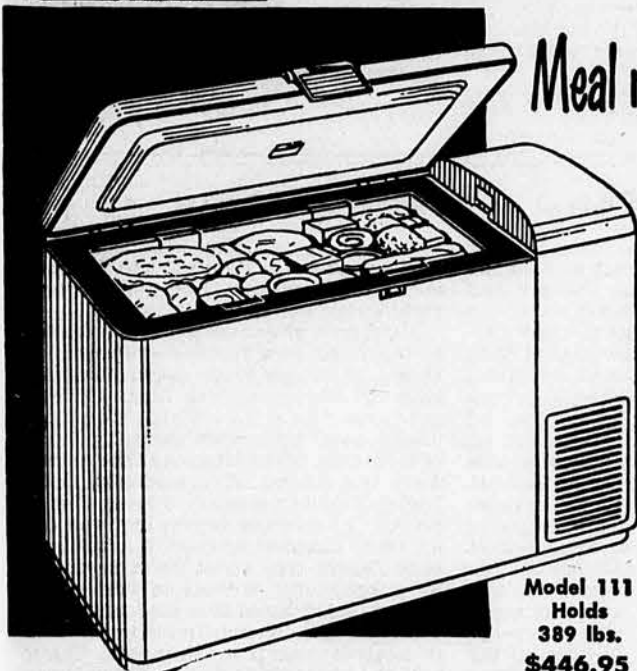
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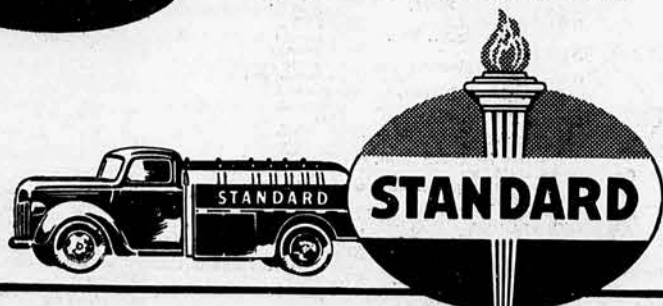
#2 Amine Concentrate. (To be mixed with water.) A selective weed killer for the control of susceptible broad-leaved weeds in growing small-grain crops, corn, flax, sorghum, rice, lawns, turfs, and pastures. Contains equivalent of 4 pounds 2,4-D per gallon.

#3 Butyl Ester Concentrate. (To be mixed with oil.) A selective weed killer designed to be sprayed from airplanes. Effective against broad-leaved annual weeds as well as many herbaceous and woody perennial weeds. Contains equivalent of 6 pounds 2,4-D per gallon.



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No. 4 in a series of articles by
a former county agent who says . . .

Let's Take a Trip To Hawaii!

By Preston Hale

DEAR EDITOR. (January 12 1952.) After sugar cane seed crop (as they call first cutting) is harvested, giant duck-foot cutters slide very close to old seed piece crowns and cut off old stubs and reshape lister furrow.

Harvesting used to be done by hand and is still done that way on small, steep areas. Now, most of it is harvested with big buckrake-type gatherer on front of track-type tractors. In between teeth, there are cutting blades that shear off stalks. These blades are changed every day to keep them sharp. These big buckrakes windrow cane and big grapples on machines pick up huge piles of stalks and drop them into one of those \$50,000, 40-ton trucks. In irrigated plantations, leaves are burned before harvest; this leaves the bare stalks standing. No burning is complete enough to remove all leaves, and juicy stalk is not injured.

At mill, sirup is treated—product that comes out is raw sugar or brown sugar. Some of it is refined here but most of it goes to San Francisco in bulk to be refined as white sugar.

Our last meal in Honolulu was a Chinese dinner with Foo Kau Lee, of 1915 class at Kansas State College. Mr. Lee is with territorial board of health. He is a soils chemist and Mrs. Lee teaches science. They want to be remembered to all their friends in Kansas.

Back in the U. S.

Dear Editor: (January 15, 1952.) Well, we're back on hard soil—that is it would be if it were not for this unusual California weather which has delivered 8 inches of rain during the last 4 days and blocked most roads and downed most airplanes.

We had another rough crossing with waves 20 feet high but the Hales ate every meal! We have eaten so much we can hardly get into our clothes any more because everywhere we went there was too much good food! Went to a Luau, which is an Hawaiian feast.

(Here is Mrs. Hale's reaction to a Luau—Ed's note.) We met at 2:30 one day to see them prepare the pig and bed of hot lava rocks on which it was to be roasted. Setting was a lovely garden spot, right beside the sea at back of a picturesque eating establishment.

It was quite a sight—the pig preparation. In a great hole in the ground hot rocks were used. Pig was put on juicy banana stalks in wire mesh cradle and placed over the remaining red-hot stones in pit. Over that went more leaves, banana stems, wet burlap and lastly, dirt. When steam appeared at any point, more dirt was piled on. Before covering process, vegetables and fish were added, each wrapped separately in Ti leaves. Pig was taken out at 7 o'clock. We were all dressed for the occasion in Poleminis, sun dresses, sarongs, Aloha shirts. About a hundred set on the ground around tables for the feast. Feast, did I say? Just read this:

First was a bowl of Poi, the tasteless, gray, gravy-like food which is the main starch dish in daily diet of all Hawaiians. Along with Poi were little raw shrimps with their shells on, and hot peppers. Also, lomi lomi, a raw salmon concoction in a shallow side dish. Coconut chips (toasted) were on the table. Another edible and attractive feature was pineapples—placed at intervals along tables. Insides were cut in convenient sections with toothpicks attached for easy handling. Freshly-picked, ripe pineapples are juicier and more delicious than those obtainable on mainland.

Sweet potatoes and baked bananas were passed and tasted of volcanic ash, which was a disappointment for I thought maybe they would be something I could enjoy. Baked mullet was placed here and there on tables.

Pig Not too Bad

Then the piece de resistance! We were each given a little wooden dish of roast pig. It might have been wonderful, but by that time I was so worked up over trying to eat the other food I couldn't honestly say what the pig tasted like! Not bad anyway, especially when I thought to use some of the rock salt (brownish) beside my plate. Desert was a small square of heavy bread-like substance, wrapped in waxed paper. It was sweetish and I think was coconut pudding. The drink was Tahitian punch and helped cover up some of the bad tastes.

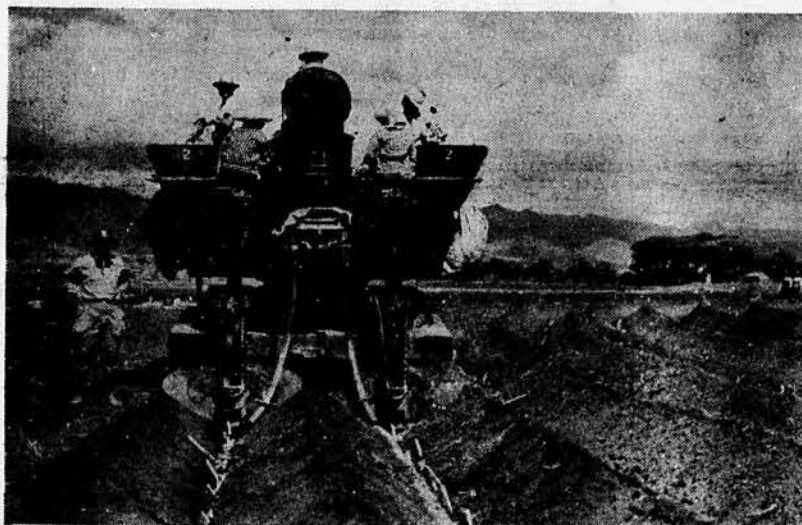
There were Hawaiian entertainers with much characteristic string music and singing—adding much to the atmosphere. Later we saw a real hula program. Several men in the audience (including my husband) were brought to the front for a "haole mala hini hula" demonstration, which added to the general hilarity. A flash picture was taken, and I ordered one.

Dinner in the Wind

(Now Mr. Hale's letter continues—Ed's note.) Foo Kau Lee and his good wife took us on a fishing trip to lava-strewn shore of Oahu. The ocean was very rough so we didn't get to fish, but what a dinner Mrs. Lee did prepare, right out in the wind on lava rock.

High spot of January 8 was a dinner at one of finest Chinese restaurants in Honolulu. It was given in our honor by Kim Ah Ching, Kansas State College graduate and a classmate. He's now president of American Security Bank of Honolulu. Other Kansas State guests were the Kerns, Mangelsdorfs, Lees. I wish I could name the 9 meat dishes served. I know the beginning was deliciously flavored soup with a scallops base. There was roast duck prepared by a browning process in which hot peanut oil is poured over bird, until skin is crisp and delicious. To aid in this and to keep it plump looking, Mr. Ching said the bird is "blown up." Then there was broiled chicken and chicken liver needle rolls fried in peanut oil, oysters

(Continued on Page 9)



PLANTING SUGAR CANE: Three-joint stalks are used. Note fertilizer tubes. Several jobs are done at same time.

and fish handled similarly and shrimps, interesting and very good to eat with all sorts of queer vegetables and sauces. And, of course, always rice and tea. Chopsticks we used if we cared to and we all did—some!

Dear Editor: (February, 1952.) Since the 3 previous articles have appeared, I am having many questions asked me these days, even after folks see the 1,200 feet of colored film which I am showing to many rural communities thruout Kansas and Nebraska.

People are keenly interested in how farmers operate in Hawaii and what we can use on the mainland that would be helpful to agriculture.

To give a better picture of management of agriculture in the Islands I should say only a few families control nearly everything; they are sometimes called the "Big 5." This, of course, concentrates decisions in the hands of a very few. For the most part, those decisions have been good and wise.

People Are Well Educated

Every place we went we were impressed with modern schools. No child in Hawaii needs to go very far to school, since most plantations have good school buildings right in the little village. A very high percentage of people are well educated. Many young folks of college age are on the mainland going to special schools of higher learning, and returning to the Islands to do some special job needing done.

Management in sugar and pineapple have special experiment stations set

States own sugar and pineapple stock, little realizing they too, own farm land.

This central management in sugar cane and pineapple has resulted in the world's largest soil conservation project. Think of one company alone having 25,000 acres terraced where needed and all on the contour. Trained conservationists are in charge of every farming operation. There are many other operations that central management can control, resulting in a more uniform product. This may or may not be the best interests of Hawaii.

There is the problem of labor relationship. Big producers are providing reports of management much the same as big industry is doing on the mainland. Information schools are in progress all the time. Radical labor leaders have called strikes resulting in some large losses of pineapple. Such strikes are the exception. Organized labor believes they have improved their labor conditions. Most of the labor live in very good, company-owned houses.

There are many races of people in the Hawaiian Islands, yet there is no color line—one is not barred from school, church or public place. There has been much inter-marrying of races. The Japanese and perhaps the Chinese do less inter-marrying than other races. It is a happy-go-lucky melting pot of the Orient.

Good, productive land in Hawaii has a value of \$1,500 or more per acre, pasture land a value of \$200 to \$500 per acre, and none, or very little, is for sale. This should make us far more conscious of the real values we have



THIS IS TYPICAL air view of pineapples on contour, which is saving soil in Hawaii. Notice round corners in fields for turning large machines. Hawaiians are wise in use of fertilizers—tons of organic matter are plowed under for more effective results.

up to solve problems that come up in these fields. They hire the best trained men they can find. Also, each of the larger plantations hires well educated men to serve in key positions. At University of Hawaii, other agricultural crops are being studied by a well trained staff. Then there are special study groups among workers on the plantations.

This central management can do many things resulting in greater efficiency. No place in the world do farmers use such giant machines to do work on farms as in Hawaii. Just think of 30 trucks to haul sugar cane, and spray rigs with 50-foot booms, filled by supply trucks without stopping. It would seem if we farmers are going to be a smaller and smaller percentage of the population, we must resort to larger and larger machines, which means larger farms. Will corporation farming be forced back into Kansas wheat production? To start farming now costs a fortune. No young man would think of starting in sugar or pineapple production in Hawaii, but a lot of bright, young folks with "know-how" are working for good wages in these fields. Many people in mid-United

in Kansas. To be sure, we can't farm 365 days or pasture all year around but there isn't that much difference. We should take a page from the Hawaiian Islands "conservation book" and double our efforts along that line; we cannot afford to lose any more of our topsoil.

We need to "wise up" on use of fertilizers and trace elements. Perhaps we will be slow to use over a ton of fertilizer per acre as in Hawaii, but we can use more at a profit. Our average is only about \$85 per acre. See what they are doing with a tiny amount of iron sulphate sprayed on pineapple. We need to know more about trace elements.

Too, we could take a page from Hawaii's "book" on home beautification. They grow grass and flowers the year around despite problems of dead leaves falling every day and having to mow grass every week. You don't see old machines and trash cluttering the farmsteads in Hawaii; it is because all old iron is used to make iron sulphate to spray on pineapple.

Good Health Ideas

We also could put to good use, health and sanitation ideas of these Island folks. Quality of livestock produced is outstanding, and if we met their standards, we would have fewer mixed scrubs. It pays the Hawaiian people to be friendly to the tourist; would it not pay us to stimulate a tourist trade in Kansas? We might sell a few more eggs and a lot of good will. More tourists cross Kansas than any other state; let's stop them and sell Kansas.

Mrs. Hale and I had a wonderful time on our trip to the Islands, and we're glad to have shared it with you. Why don't you plan such a trip? You'll love it.

Better Beef Cattle

Results of Kansas State College experimental studies with beef cattle are available to aid you in improving your business and livestock. For a copy of "Beef Cattle Breeding and Feeding Investigations, 1950-51," write Farm Service Editor, Kansas Farmer, Topeka, Kan. No charge. Ask for Circular 278.

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I figure the proper use of fertilizer has doubled my yields. I won't plant without fertilizer.

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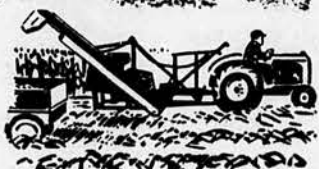


"I use and recommend BEM BRAND Fertilizer for corn and all crops. I averaged 86.5-bushels of corn on 8-acres last year. Without fertilizer this land would yield about 40-bushels of corn per acre. The use of fertilizer gave me earlier maturity and more bushels per acre."



Lloyd Schultz, Route 1
Sheldon, Missouri

"I have used BEM BRAND Fertilizer for three years and recommend it for corn and other crops. I averaged 75-bushels of second-year corn on a 16-acre field in a wet year. The use of BEM BRAND Fertilizer gave earlier maturity that was a real help in getting the corn before it was ruined by the next wet season."



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How to Reduce Corn Borer Loss

EUROPEAN corn borers have cost Kansas farmers about 1½ million dollars in the last 2 corn crops, according to C. C. Burkhardt, Kansas State College entomology instructor. During the 2 years borers have cut the Kansas corn yield by an estimated 916,219 bushels, he says.

Following a scientific procedure for translating borer populations into losses to the corn crop, entomologists now know that for an average of one borer per stalk in a cornfield there is a reduction of 3 per cent in yield for the field.

Losses due to injuries done by the borer included reduction in yield because of an increased number of barren stalks; increase in number of damaged ears and kernels; decrease in size of ears; and breakage of stalk below the ear or in shank of ear, with partial or complete loss of ear. European corn borers also infest grain sorghums in Kansas, causing additional damage.

How can you cut European corn borer damage on your farm? Follow a 3-point program, says Mr. Burkhardt:

1. Plant seed from high-yielding hy-

brids best adapted to your area. If you plant more than one hybrid watch each carefully and compare borer reactions, thus obtaining a basis for 1953 selections.

2. Plant mid-season. Mid-season planting stands a good chance of escaping eggs of first-brood moths, which are normally laid on leaves of corn in June. Newly-hatched borers feeding on young corn do not survive as well as those beginning to feed on older corn. Hence, there is a lower final infestation. Late planting may result in heavier second-generation borer infestation, and also runs risk of damage from corn earworm and fall armyworm.

3. Practice cornfield sanitation. Sanitary measures such as clean plowing, cutting stalks low to ground when cut for fodder, or stalk shredding may be used if the measures conform with the farm program and do not bring about soil and wind erosion. If you plow under old stalks the best time is before May 1. If circumstances make burning of old cornstalks and other residue essential, such burning should be thorough and be done before May 1.

Make Plans for State Testing Lab

ANNOUNCEMENT is made of preliminary plans for a modern laboratory for Kansas State Board of Agriculture. Roy Freeland, secretary of the Board, says the laboratory will facilitate the Board's services in administering Kansas laws on dairy products, livestock and poultry feeds, fertilizers, insecticides, other items.

Plans include a one-story building, about 75 by 175 feet, in Topeka on property already owned by the state. Estimated cost of laboratory is \$100,000. Funds have been accumulated for this purpose from fees paid by industries whose products are involved in the services rendered. Working drawings for the building were prepared by Charles L. Marshall, state architect.

Need for the modern laboratory, says

Mr. Freeland, has been intensified by the Board's urgent desire to accelerate its efforts toward assuring pure, wholesome dairy foods to the consuming public. Other factors pointing to need are the amazing new developments in manufacture of commercial livestock and poultry feeds. Kansas farmers and stockmen pay an estimated \$50,000,000 yearly for these products. Development in field of agricultural chemicals have brought on many new products, which will be tested in new laboratory, as will commercial fertilizers. Kansas users spend about \$20,000,000 for fertilizer.

It is expected the building will be ready for use by the spring of 1953. *Kansas Farmer* first brought you a story on the laboratory in October 6, 1951, issue.

GRANDMA By Charles Kuhn



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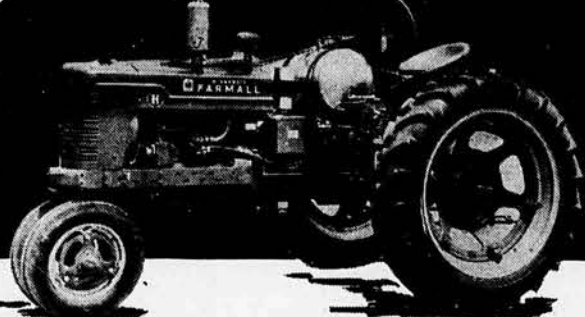
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RUSSELL	Paul Moore Conoco Service
SABETHA	Steiner Implement Co.
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Pasture Studies to Help Entire Flint Hills Area

EXPERIMENTAL work being done on pasture vegetation at Kansas State College may quite conceivably result in marked management changes by graziers thruout the Flint Hills area of Kansas. This and other studies were made possible by the state legislature appropriation in 1945 for the purchase of about 1,100 acres of pasture land near Manhattan.

In studies under way now, Kling Anderson, college agronomist in charge of pasture vegetative experiments, is trying to pin down the effects of various grazing practices on pasture vegetation. He is basing his work on the vegetative composition, the best measure of condition, in his opinion.

Condition, he explains, is a range term that has to do with the present "state of health" of the range in relation to what is normal. Before pastures were used as they are today, their condition was natural in harmony with climate. It was a living, static condition in which the most desirable vegetation was strong enough to keep out less desirable plants.

Found 150 Different Species

In studies to date on the K-State acreage, about 150 different species of plants have been found. Of these 33 are perennial and 12 are annual grasses. Anderson found the average of grasses in the pasture to be as follows: Little bluestem, 24 per cent; big bluestem, 18 per cent; Indian grass, 8 per cent; side oats grama, 8 per cent; Kentucky bluegrass, 8 per cent; buffalo grass, 4 per cent; blue grama, 3 per cent; hairy grama, 3 per cent; sand dropseed, 2 per cent, and the following 1 per cent each—scribner panicum, purple lovegrass, tall dropseed, and switch grass.

Kentucky bluegrass is naturalized here. It is not native, Anderson says.

Samplings in the college experimental pasture have given an estimate of the present grass population under different situations. This gives the scientists a basis on which to detect changes in grass populations, and methods of utilizing the pasture are expected to indicate reasons for change.

With this information on the present status of vegetation, the pasture has been divided into 5 categories: (1) An ordinary upland site, typical of the bulk of the sloping lands in the Flint Hills that most nearly have the true prairie type of vegetation; (2) flat to gently sloping upland that has clay soil often full of flinty, hard pieces of rock; (3) very shallow soils over heavy massive limestones; (4) very dense clay sites with shallow clay soil over a dense claypan; (5) lowlands.

Burning, season-long grazing at different rates, and deferred grazing tests are being conducted to determine their effect on the vegetation of the area.



Kling Anderson

Three pastures are being burned at different times in the spring: Early (March 1); medium (April 1); late (late April). Three pastures are being grazed at light, medium and heavy stock rates. On May 1, 1951, 525-pound steers were put on grass at 12, 18, and 24 head rates in 60-acre pastures.

Three other pastures are being used for deferred grazing experiments. One is rested until late July, then grazed by cattle that have been on the 2 other pastures since May 1. Cattle are left in the deferred pasture until the feed is utilized, then gates are opened and cattle permitted to graze the 3 pastures. Pastures to be deferred will be rotated each year.

Deferred grazing experiments at the Casement ranch over a 15-year period prior to the purchase of the college pasture disclosed that more beef can be produced per acre by deferred grazing than by full-season grazing. The Casement pasture was rested until mid-July, then stocked at the rate of 1½ acres per head the remainder of the pasture season. This practice produced about 50 per cent more beef per acre than full-season grazing. The grass improved steadily, having been permitted to manufacture and store adequate carbohydrate reserve before being pastured, and the stands of the better pasture grasses thickened.

Anderson emphasizes that groundwork for these vegetative studies is just being laid, and that tests at the experimental pasture have gone around just once. From now on, however, results that will benefit the entire Flint Hills area may be expected.

Play Park for Children



HERE is an idea for discarded wagon wheels you may have around the place. Lee Bird, Great Bend, included in a little amusement park for his children this teeter-totter using wheels, axle and a 2 by 6 plus a coat of paint; a slippery slide, and a merry-go-round. He upended one of the wheels for the merry-go-round, setting the axle in the ground. Little seats with handholds are fastened around the rim of the wheel. Bird children are Sue, 8, left, keeping the teeter in action; Steve, 3, and Beth, 5.

More Strawberry Questions Must Be Answered

By WILLIAM G. AMSTEIN, Kansas State College

STRAWBERRIES have long been the number one fruit for most Kansas gardeners, as well as commercial fruit growers. One reason has been the general experience that seldom were any insect or disease control measures necessary. However, in the last few years many more questions on strawberry problems have been received.

"Button berries" have been commonly reported by many gardeners the last year or two. There is heavy bloom but few normal berries develop. Reason for these button berries has been assigned to many different causes. Low temperatures, freezing weather, winter injury, and poor blooming conditions have often been considered responsible for the poor crop. No doubt each condition has at times been responsible for some poor berries noticed. However, too many gardeners have reported this condition in years when low temperatures or other items have not been responsible. A probable answer in many cases seems to be insect damage. Sucking insects, working on the flowers early in the season before bloom time, appear to be the answer.

Use Dust or Spray

Two types of control programs are possible. Either a spray or dust schedule can be followed. Some gardeners follow one type of control program, while others have equipment to do the job either way. In most tests, control results are about the same. Therefore, convenience or equipment you have available, together with type of control material you intend to use, will govern method of application.

Best insect control is obtained by applications made from the time growth starts early in spring and continuing until blooms start to develop. When heavy blooming occurs, or during the period berries are mature, only dust treatments of a material such as rotenone should be used. We need to be careful to avoid having any poisonous materials applied when fruit is maturing.

Several common insects have been noticed in strawberry fields and are likely responsible for the button berries. Prominent in most collections are tarnished plant bugs, stink bugs, other lygus bugs, crickets, grasshoppers, sawfly, strawberry weevils, rootworms and crown borers. In addition, common foliage diseases such as leaf spot, leaf scorch and leaf blight may be noticed and prove severe enough to require treatment in some plantings.

One pound of actual Chlordane and 1 pound actual TDE (rhothane, DDD) in 100 gallons of water is suggested as a

spray mixture. Where a disease problem on foliage needs attention, Chlordane and TDE can be added to a 4-8-100 Bordeaux. This amount of material should treat an acre.

If it is not convenient to locate TDE to use in the mixture, 2 pounds of 50 per cent wettable DDT can be substituted for the TDE.

Where a dust program is used, a mixture of 5 per cent TDE, 5 per cent Chlordane and Bordeaux dust can be applied. Other dust mixtures that could be used include a 5 per cent DDT plus 5 per cent Chlordane and 50 per cent sulfur or 5 per cent Chlordane and a basic copper dust or a 5 per cent TDE (DDD) plus 5 per cent Chlordane and 50 per cent sulfur. About 20 pounds of this dust should be used to the acre.

Very Little Leaf Roller

In most tests, where a good control program has been used ahead of strawberry harvest, very little leaf roller damage developed later in the season. If hot, dry weather develops after harvest, red spider mites sometimes become a problem. A dust of sulfur will help control the mites. However, if hot weather prevails, a miticide such as Aramite or Niagaramite would give good control and cause less foliage injury than sulfur.

During recent wet years, strawberry leaf diseases have been more of a problem. Bordeaux dust or spray has given fairly good control when used ahead of bloom.

The practice of applying nitrogen fertilizer either in the form of manure or commercial materials in the early spring causes heavier losses from fruit rots. However, if these nitrogen fertilizers are needed, better returns will be had by applying them in summer or fall. Use of mulch to keep fruit off the ground also will help prevent this loss of berries by fruit rot.

Another rather common strawberry disease problem some years is due to a disease known as slime mold. At first glance plants look as if the children had made a flour paste and folded some leaves and fruit stems together. These large, white, soft, powdery masses turn dark gray in a few days. It seldom bothers any large area of plants. Where plants are kept in rows and foliage can dry off better, less damage is noticed. No spray program seems desirable.

Wax Preserves Tables

By waxing tops of my card tables when they were new, I find they are wearing longer and are much easier to clean.—Mrs. F. W. T.

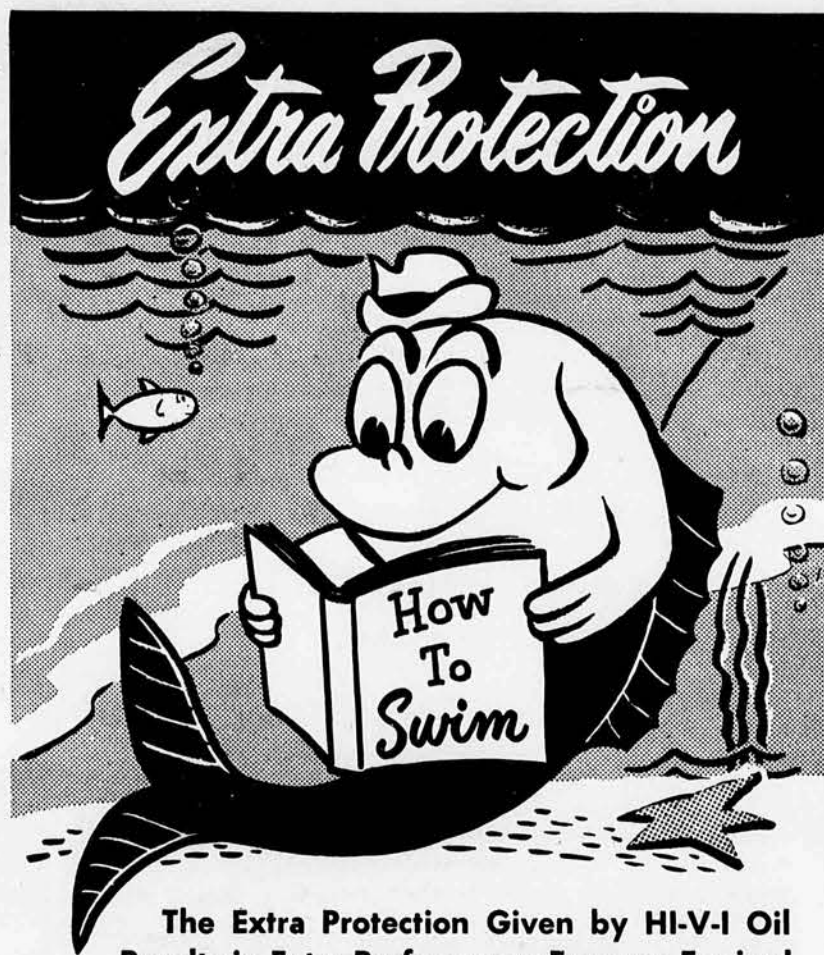
Good Way to Get Pasture



SEEDING wheat right on top of a seeding of a legume helps establish the pasture crop, Miami county farmers have found. Here Harold Scherman, center, inspects growth of his wheat-sown pasture, with George Stephens, right, county agent, and Jim Mustard, of Crawford county.

Mr. Scherman blocked about 2 out of 3 openings when the wheat was drilled. About 75 per cent of his land seeded to legumes has the wheat sowing in addition. Mr. Stephens estimated that 40 per cent of the farmers in the county are following the practice.

Mr. Mustard was a Vocational Agriculture student in Crawford county at the time Mr. Stephens taught the class. Now in dairy farming, Mr. Mustard last year was honored as FFA State Farmer.



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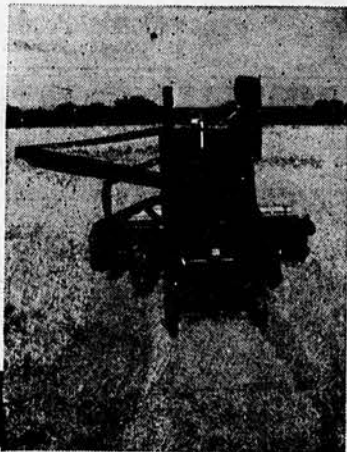
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No. 8 in flower series written by a man who grows them by the acre

Asters

By FRANK PAYNE

ALMOST 30 years ago I tried to grow some asters from seed. They were the annual type China asters. I mothered and petted and coaxed them along, but somehow it just seemed anything I tried was not much help in learning how to grow them to perfection. Then I had some facts pounded into my head in a very beautiful and gracious manner.

Here is what happened. We had an elderly lady who came once a week to do the family washing. She lived near our home and knew our love of flowers. One morning she came to work carrying a most beautiful bouquet of asters, with nice long stems and healthy looking foliage. She presented this lovely bouquet to Mrs. Payne.

At once I wanted to know where she bought the asters. I had never seen such nice ones grown around here. They were as large and nice as those found today in shops that get them shipped to the Midwest from California or Oregon.

"Why Mr. Payne, I did not buy those flowers," she said. "I grew them in my back yard!"

"Oh no," I replied, "you surely didn't grow such wonderful asters as those, not around here?"

"Yes I did," she answered. "You go over and see them for yourself."

By that time I was half way to her home. Sure enough there they were in her back yard, out between some peach trees. A little bed of China asters tucked away between the 2 peach trees.

Were Not Cultivated

All that fine lady had done was scratch up a little flower bed about 3 by 5 feet, sprinkle a dime packet of mixed colored China aster seed over that ground and cover the seed lightly with soil. They were not cultivated. In fact, she had not even thinned them out so there was no room for the weeds or grass—the asters had done a good job smothering them out!

Now, don't ever say one gets too old to learn. I had that proved to me more than a quarter century ago. The partial shade of the peach trees, the molding peach tree leaves adding the right amount of plant food, the fact asters do not like to be transplanted—these were some of the facts proved to me

about what asters like and dislike in their growing. I had been starting the seed early, transplanting when frost danger was past and that gave them a setback. I now recommend sowing seed thinly right where they are left to grow. About the last of April is soon enough to sow seed outdoors, if soil is in condition and it has warmed up.

Today you can buy special blight-free varieties of asters. I recommend them, as it really pays to buy the best seed you can get. Do not plant asters in same ground each year; change location to keep them disease free. You can give them a good soaking in extreme drouth. Asters require rich soil. To keep insects away from them spray with a pyrethrum extract and give regular dustings with a combination of sulfur, arsenate of lead and nicotine dust.

Some types of asters are Comet, Crego, California Giants, Queen of the Market, King Mammoth Peony-flowered, American Beauty. Any of these are beautiful.

Grow Along the Road

The hardy asters are native of the temperate zone of the United States. They are extremely hardy perennials, disease and insectproof, grow quite tall as a rule and come in all shades of pink, lavender and blue. In Eastern Kansas and all of Missouri you quite often find wonderful specimen plants with nice, large blooms growing wild right out in the woods or along the roadside where they have been allowed to grow up in weeds and brush.

Now you can also buy plants from your nurserymen. Here are some named varieties I have grown and can recommend highly. Barrs Pink, Violetta, Harringtons Pink, White Lady, Red Rover Mammoth. The last one is the largest of hardy asters and is a warm lavender shade. Of course, none of the hardy asters grow as large blooms as the China varieties. But they do give you a lot of nice bloom late in fall when one needs blue flowers to help decorate. Once established hardy asters are good in the same location for several years, then they can be dug up and made into many nice divisions for replanting.

(My next article will be about Marigolds.)

Plants Converted to Coal

Coal in Crawford and Cherokee counties in Southeast Kansas was originally plant debris which was deposited in coastal swamps. An advancing sea caused the organic matter to be covered with silt and preserved. During the ensuing millions of years the buried plant material was converted into coal.

Swifts Name New Ag Research Director

ANNOUNCING his retirement as head of the agricultural research department of Swift & Company, Chicago, is F. M. Simpson, who joined the company in 1925. His successor is T. W. Glaze, assistant head of the research department.

Mr. Simpson was a pioneer in bringing about a better understanding of the meat packing business among the Nation's farmers and ranchers. He plans to return to the teaching profession. At Clemson Agricultural College, Clemson, S. C., he will teach a course in livestock and meat marketing. First course in this subject ever offered at any U. S. educational institution was taught by Mr. Simpson, at University of Illinois. In 1920 he became assistant director of livestock marketing with the Illinois Agricultural Association. Later he set up and became general manager of the National Livestock Marketing Association's first 13 livestock commission agencies.

Mr. Glaze, a native of Oklahoma, joined Swift & Company and the agricultural research department in 1944, and last February was appointed assistant head. He was active in FFA work in Oklahoma, organized the first

FFA department at Pauls Valley, Okla., which has gone on to win several national honors.



T. W. Glaze

ALBERS CHICK STARTER *GUARANTEED* TO CONQUER COCCIDIOSIS!



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HOW ALBERS CONQUERS COCCIDIOSIS

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3. Coccidiosis attacks the untreated chick. It becomes sleepy, shows little or no interest in what goes on around it, and may die.

4. Untreated chicks suffering serious results from an attack seldom develop into profitable producers. They are often permanently injured, if they don't die. YOUR INVESTMENT IS LOST!

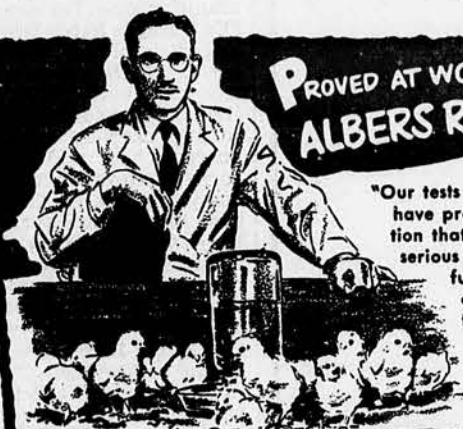
The Albers-fed chick resists the attack and is only mildly affected. It builds up natural immunity and is retarded but little, if any, in its development.

Albers-fed chicks are protected, have a good chance to develop and lay without set-backs.

YOU need not fear coccidiosis any longer! Now you can prevent this dreaded, costly chick-killer by feeding the new Albers Chick Starter, containing miraculous Compound "Anti-Cox". Albers will pay you double the purchase price of each and every one of your Albers-fed chicks killed by coccidiosis during their first eight weeks. This means you need no longer suffer serious financial loss due to this deadly disease, which kills upward of 20,000,000 chickens every year.

This new Albers Chick Starter also contains high-potency levels of thoroughly tested trace minerals, and a wonderful antibiotic combination which includes both terramycin and the recently perfected diamine penicillin. In fact, all 21 ingredients in Albers 1952 Chick Starter had to prove their value in 60 separate brooding trials at Albers Research Station during 1951.

When you buy Albers Chick Starter this year, you can rest assured it is the safest, finest, most up-to-date chick feed that over 50 years of Albers know-how can produce. You try it...you be the judge. We're sure you'll never be satisfied until you have seen what this quality feed can do.



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"Our tests at Albers Research Station have proved to our complete satisfaction that Compound Anti-Cox prevents serious outbreaks of coccidiosis, and, furthermore, permits chicks to develop immunity against future attacks."

Dr. E. M. Gildow
Director,
Albers
Research Station



JACK JACKSON...
Albers
Farm Radio
Counselor
SAYS:

Folks, here's a chick-time check list of some important things to look after right now, in case you've forgotten:

1. Allow ample brooder space—at least 1 sq. foot of floor space for each 2 chicks.
2. Provide good ventilation without drafts. Cover openings with muslin.
3. Use clean, dry litter, 2 or 3 inches deep.
4. Keep feeders and water fountains filled at all times.

...and don't take unnecessary chances... feed new Albers Chick Starter, containing Compound Anti-Cox.

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Albers Milling Co. guarantees to pay the owner DOUBLE THE PURCHASE PRICE of each chick killed by coccidiosis during the chick's first 8 weeks of life. YOUR CHECK WILL BE MAILED PROMPTLY upon completion of the following conditions:

1. Chicks must be fed EXCLUSIVELY during the first 8 weeks on Albers Chick Starter, containing Compound Anti-Cox, in complete accordance with directions printed on each analysis tag.
2. Should any death loss occur, which your veterinarian definitely establishes as caused by coccidiosis, notify Albers Milling Company immediately stating: (a) number of chicks on Albers Chick Starter (b) how many coccidiosis deaths to date.
3. Albers will send you a claim form by return mail. Fill it out completely and return to Albers Milling Company, Kansas City, Mo., accompanied by (a) paid receipt for chicks (b) paid receipt for your Albers Feed (c) Sworn Statement from your veterinarian that primary cause of death was coccidiosis, as determined by thorough post mortem examination.

(NOTE: On unusual claims, Albers Milling Co. reserves the right to have dead chicks shipped to an independent laboratory for analysis.)



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Many states now have laws requiring milk to be cooled to 50°F or less. Other states are now contemplating similar sanitary codes. Regardless of man-made ordinances, there is the law of nature which breeds bacteria by the billions when milk stays warm. Only properly cooled milk is quality milk.

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FRONT-DOR MODELS . . . 4, 6 or 8-can storage capacity now available. Built for quick *slide-in . . . slide-out* with easy loading at baseboard level. Stops backaching *lift-in* and *haul-out*. Fastest cooling milk coolers on the market; below 50°F in one hour or less.

ALSO AVAILABLE . . . Ten Immersion-Type Coolers; a size for every need from 2 cans to 10 cans.

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NEWTON—Graber Hardware Co.

NORTON—Van's Electric Co.

RUSSELL—City Dairy

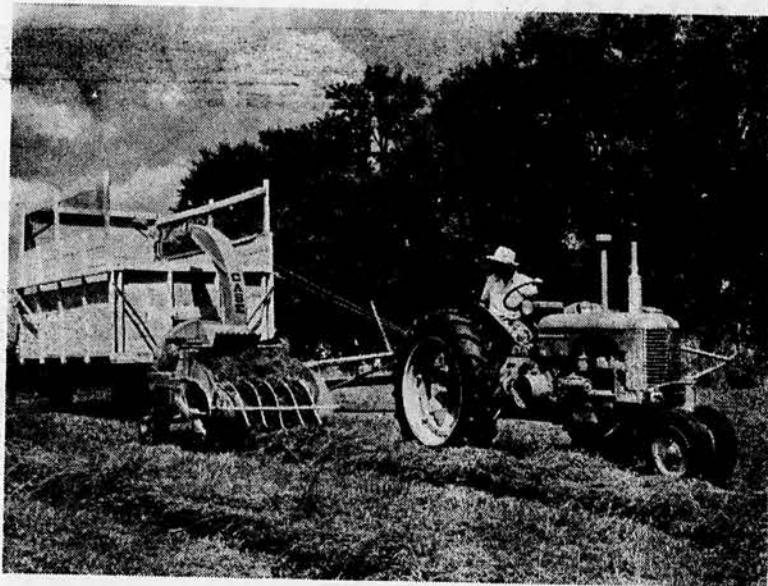
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WELLINGTON—Schrag Radio Service

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Case Eagle Hitch Farming New Power Farming Plan



LIVE POWER TAKE-OFF available on Case "S" and "D" Series tractors maintains constant operating speed of driven machines, regardless of tractor travel.

A **COMPLETELY** new concept of power farming is being introduced this spring, reports the J. I. Case Company, Racine, Wis. The company considers their Case Eagle Hitch Farming plan one of the greatest steps forward in power farming equipment and methods since introduction of the all-purpose tractor in 1924.

New introductions by the company include "SC" and "DC" Eagle Hitch tractors, Eagle Hitch implements, live or continuous running power take-off, live hydraulics and double-disk self-energizing brakes.

The Eagle Hitch is an integral part of the tractor—not an attachment. It permits close coupling of tractors and implements, making for easier and more accurate control of implement. With most Eagle Hitch implements operator simply backs tractor to machine, slips in a pin and drives away. "Never before on full 2- and 3-plow tractors have you been able to hitch up to rear-mounted implements in a minute or so—level them and adjust working depth—all without getting off tractor seat. Now you can, with Eagle Hitch and Live Hydraulic Control. Eagle Hitch saves you time, you can do more jobs, and get work done easier and better."

Ready for Use

These are the implements now being manufactured for use on the "SC" and "DC" Eagle Hitch tractors: moldboard and disk plows, spike-tooth harrows, spring-tooth harrows, roller packers, tool bars, cultivators, narrow-row cultivator, planters and listers, mowers, utility carrier, field tillers, middle-busters, beet and bean planters, and corn planters. In addition, there is a complete line of Case standard pull-type implements available. Plows, disk harrows and grain drills all can be operated by hydraulic control. These implements are interchangeable between "SC" and "DC" tractors, and many can be used with the "VAC." The Eagle Hitch also will be available on the larger "DC-3" all-purpose tractor, also on the "DC-4," a 4-wheel tractor which can be changed from a 4-wheel to a row-crop, all-purpose unit or vice versa.

Live Power Take-Off is another feature of Case Eagle Hitch Farming. Both the 1952 "S" and "D" tractors can be purchased with a live or continuous

running power take-off. Since this live power take-off can be operated with tractor standing still or when moving, this is a big advantage when using large field machines, and in doing stationary work. For example, in combining if crop intake must be altered because of heaviness of crop, tractor can be stopped and shifted to another gear, while power take-off continues at regular speed. Then the outfit can move forward again, continuing to work.

Live hydraulics is a 4th feature of Case Eagle Hitch Farming. "On these new tractors a hydraulic pump operates continuously and independently of the live power take-off or the transmission, thereby permitting uninterrupted raising, lowering and angling of implements." With live hydraulics as used on "S" and "D" tractors, machines can be raised or lowered fast or slow.

A 5th feature of Eagle Hitch Farming is "Double Disk Self-Energizing Brakes," now supplied on "S" and "D" tractors, having proved so successful on Case "LA" tractors, says the company. "This more than doubles capacity of brakes for holding, assisting in turning, and stopping tractor. Less effort is required in using these brakes, thereby making tractor operation easier and adding to pleasure of tractor farming." Brakes hold equally well whether tractor is moving forward or backward.

In summing up big advantages of Eagle Hitch Farming, the Case Company states the plan "promotes conservation of the soil in many ways:

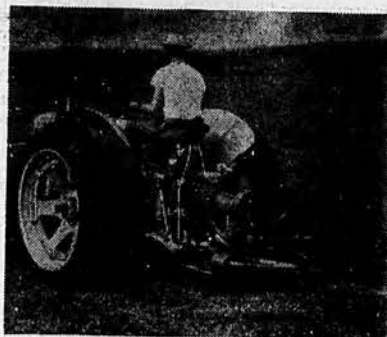
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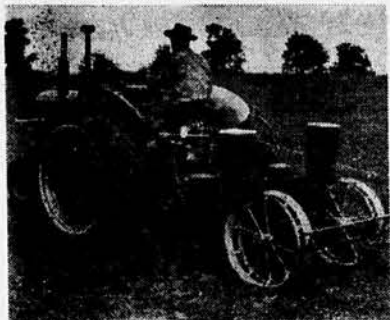
CASE 2- OR 3-BOTTOM Break-Away Contour Plows mount quickly on Eagle Hitch "SC" and "DC" tractors, raise high for easy transport.



TWO OR FOUR LISTERS or buster attachments, 2 or 3 middlebuster bottoms, and tiller teeth types can be attached to Case Eagle Hitch Tool Bar.



CLOSE-COUPLED EAGLE Hitch Mower, operated by live power take-off, is easy to mount, maneuver and transport.



CASE EAGLE HITCH Corn Planters are lifted clear for turning at end of rows and for transport.

more timely field work as a saving of time and labor in changing from one machine to another; the Break-Away Plow functions on contour as well as on straight-away; mounted spike- and

spring-tooth harrows can be lifted to shake out trash; earth-working or planting machines can be lifted when crossing grassed waterways."

Other advantages: (1) saving time, labor and money; (2) quick coupling of mounted implements; (3) more complete utility of tractor; (4) lower operating costs; (5) more comfortable and convenient handling of equipment; (6) tractor and implement become one integral unit; (7) unequalled field performance; (8) more enjoyable farming, and (9) productivity is increased.

"From the day tractors were used for cultivating as well as plowing, farmers have been looking forward to greater use of their mobile power plants. They have also been looking for a vastly easier and quicker way of hooking up implements to tractors which supply the power. What was once a dream is now a reality with Case Eagle Hitch farming," concludes the company.

To Make Survey of Nematode Disease

A SURVEY of nematodes in sweet potato stock and infected soil has been requested by the Kansas State Entomological Commission, to be done by Kansas State College.

Sweet potato growers say the nematode problem has grown to serious proportions. The disease has been found to affect growth in corn, watermelons, cantaloupes, and sweet potatoes. If the survey shows some areas are free of the disease, an embargo may be placed on shipments of sweet potato stock.

Special interest in nematode problem has arisen because most sweet potato growers lost their seed stock in the 1951 floods. There is now more danger of fields becoming infested with the pest since some seed bought may be infected. Nematodes usually do not cause injury to sweet potatoes in Kansas, especially not to the Jersey type which is even more resistant than Nancy, or many of the new seedling varieties. Great danger is that in later years, same land used for truck crops may

cause infections in such crops as tomatoes, lettuce, melons, cantaloupes and cucumbers. Future losses due to nematode infestation may be greater than will be profits in 1952 from the nematode-infested seed, says O. H. Elmer, botany and plant pathology department at Kansas State College.

Nematodes causing root knot disease in vegetable and fruit crops are microscopic worms. These pests can live over winter either in field or in crops. Once a field becomes infested this parasite may live there many years if susceptible crops are present.

Three methods are available for controlling nematodes: (1) Plant only non-susceptible crops like wheat or oats for 3 years and summer-fallow the soil the remaining months after grain is harvested, being sure no susceptible weeds get started; (2) plow infested ground just before winter, leaving soil loose, and (3) use soil fumigation chemicals, making application several inches deep in soil with aid of pressure pump.

Angus Steer Wins Little American Royal

GRAND CHAMPION entry at entire 24th annual Little American Royal at Kansas State College, April 5, was an Angus steer fitted and shown by Larry Sankey, agricultural student from Sterling. Reserve show champion was a Suffolk sheep entry, by Ray Sis, Belleville. About 3,000 persons attended the event, held at the college field house.

Other major winners were: Grand champion dairy entry, Jersey cow, fitted and shown by Sherlund Prawl, Severance; reserve champion dairy entry, Holstein cow, John Speicher, Topeka; grand champion hog entry, Duroc, Bob Rizek, Belleville; reserve champion hog entry, Duroc, Alvin Wendland, Jr., Manhattan; grand champion sheep entry, Suffolk, Ray Sis, Belleville; reserve champion sheep, Shropshire, Dwight

Wingert, Wellsville; grand champion beef animal, Angus, Larry Sankey, Sterling; reserve champion beef, Hereford, Helen Gardner, Ashland; grand champion horse entry, "Big Blaze," D. W. Zimmerman, Olathe, and reserve champion horse, "Black Night," Monte Dutcher, Overland Park.

Roy A. Freeland, secretary of Kansas State Board of Agriculture, presented the awards. The annual event is sponsored by the college Dairy Club and the Block and Bridle Club. Judges included: Horses, Orville Burtis, Manhattan; swine, Fred Germann, Manhattan; cattle, Phil Ljungdahl, Miami, Okla.; sheep, L. G. Wilson, Louisburg, and grand champion entry, T. W. Dowe, University of Nebraska animal husbandry department.

Here Are Winners In Barrow Show

FIFTY-ONE exhibitors from 18 counties entered 169 head of hogs in the 1st annual Wichita Fat Barrow Show and Sale, held recently. Winners in the various classes were as follows:

Adult, Light Weight, under 225 pounds—1st, Kansas State College, Manhattan; 2nd, Marvin Mellott, Peabody; 3rd, Marvin Mellott, Peabody; 4th, Orville Unruh, Newton; 5th, Byard Gosch, Norwich; 6th, E. A. Van Hart, Derby.

Grow Broomcorn

Kansas leads in commercial output of broomcorn products, is in top 3 states of nation in acreage of the crop. For tips on growing this valuable and increasingly popular crop, write us for a copy of "Broomcorn Growing and Handling." It's USDA bulletin No. 1631. Write Farm Service Editor, Kansas Farmer, Topeka, Kan. Price, 15c. It's 38 pages, illustrated.

Adult, Heavy Weight, over 225 pounds: 1st, Marvin Mellott, Peabody; 2nd, Pete Rudolph, Marion; 3rd, Hazzard Brothers, Belle Plaine; 4th, Billy Pittman, Udall; 5th, Herman Popp, Haven; 6th, R & S Ranch, Halstead.

Adult Pen of Three—1st, Marvin Mellott, Peabody; 2nd, Kansas State College; 3rd, Billy Pittman, Udall; 4th, R & S Ranch, Halstead.

Junior, Light Weight, under 225 pounds: 1st, Warren Keltz, Independence; 2nd, Warren Keltz, Independence; 3rd, Warren Keltz, Independence; 4th, Gerry Hanneman, Peabody.

Junior, Heavy Weight, over 225 pounds: 1st, Warren Keltz, Independence; 2nd, Gerry Hanneman, Peabody; 3rd, Elsie Jane Burns, Harper; 4th, Doug Elliott, Peabody; 5th, Warren Keltz, Independence; 6th, Gerry Hanneman, Peabody.

Junior, Pen of Three: 1st, Warren Keltz, Independence; 2nd, Gerry Hanneman, Peabody; 3rd, Warren Keltz, Independence; 4th, Elsie Jane Burns, Harper.

Pen of Three, sired by same sire: 1st, Kansas State College, Manhattan; 2nd, Warren Keltz, Independence; 3rd, Gerry Hanneman, Peabody; 4th, R & S Ranch, Halstead.

Grand Champion Barrow: Kansas State College, Manhattan.

Grand Champion Pen: Kansas State College, Manhattan.



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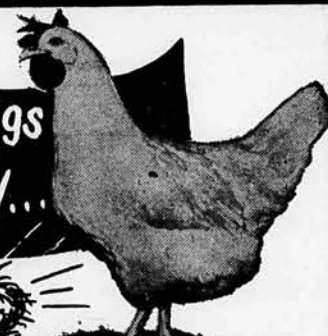
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Thoughts TO LIVE BY

"Too Much Sunshine"

I THINK it came from Arabia. It is a proverb, the meaning of which could only be appreciated by people living in an arid land: "Too much sunshine makes a desert." But irrespective of its source, its truth is universal. Wonderful as sunshine is in moderation, too much of it is not good.

There have been years when men shaded their eyes and looked to the horizon, hoping they could see a cloud. Their crops were burning, their livestock was dying of thirst. Clear days are good for picnics, but who can enjoy a picnic in the fiery pit? Rainy days may be dreary, but without them life is well nigh impossible.

A physician told me about a 5-year-old child who never had a cold before her fatal illness. Perfect health was her portion. Then she caught a cold and died. She had built up no defenses. "Too much sunshine makes a desert."

Samuel Johnson labored like a slave to produce the first English dictionary. After his book was published and his literary career was established, he was supported by a wealthy patron. He passed from the rugged years of tempest, in which it was necessary to struggle against the storm, into the calm waters of financial security. But when the pressure disappeared so did his productivity. "Too much sunshine makes a desert."

Even a virtue can be carried to a ridiculous extreme. Courage has been described as the master virtue that gives life to all the others. But courage without prudence becomes foolhardiness. "Discretion is the better

part of valor." "Yes," someone added, "if there is enough discretion, there need be but little valor."

Honesty is very commendable. But even here, a man of one virtue becomes obnoxious. Paul gave a formula that helps a person keep his balance: "Speaking the truth in love."

Having my own way seems very desirable. In recent years, it has become fashionable to let children do what they want to do as far as it is possible. But even this can be carried to a ridiculous extreme. In a progressive school, one child rebelled, crying, "Must I do what I want to do again today?" People who get what they want don't always want it after they get it. With amazing insight, the Psalmist said, "He gave them their request; but sent leanness into their soul." Even here, "too much sunshine makes a desert."

Near the end of the winter, we long for the breezes from the south. They bring with them the delightful season of spring. But there could be no spring without the previous blasts of the north wind.

A piano teacher once counseled with an advanced pupil. "You have mastered the techniques," he said, "but before you can be a great recitalist, you must suffer, for only then can you interpret some of the masterpieces." It is easy to covet the tranquil life of a neighbor, but strength comes with adversity. The author of *Hebrews* says that the Captain of our salvation was made perfect thru suffering. "Too much sunshine makes a desert."

—Larry Schwarz.

Getting Things Ready for Royal Dairy Show

WITH time for spring dairy cattle shows and rodeos approaching, the American Royal building in Kansas City is being dressed up for its role as Cow Palace of the Midlands from May 4 to May 10.

The dairy dragnet is out to draw in the best of 6 breeds. The best exhibits are being sought. Show officials, rodeo promoters, dairymen and businessmen in general are working on the theory all roads should be one-way to Kansas City during the annual spring Royal week.

Competitors in this show will be winners of district, canton and parish shows now under way in Missouri, Kansas and Oklahoma. These breed champions—expected to number about 1,200 on the entry list—will be competing for about \$20,000 in premiums, trophies and ribbons.

The spring Royal is a young show—this is the fourth one—but it already has found a faithful following. Its purposes are numerous. It is sparked by the dairy industry of the Midwest, which feels a separate and distinct dairy cattle show is necessary and profitable. The spring show has many objectives.

The event focuses public attention upon the dairy industry. Its goal is constant improvement of dairy animals, and development of better understanding between producers of the country and city consumers.

The spring Royal provides a show place for breeders to exhibit results of their efforts. By following points of good stock judges, herdsmen are encouraged to improve bloodlines. The show serves as a central point where livestock producers may buy the seed

stock needed to build up and improve their herds.

The Royal affair has many indirect benefits. It increases the value of herds. It gives producers new ideas for improving milk-producing plants thru exhibition of outstanding dairy displays. And the show has an enticing premium list.

The bronc busters will open the spring event with a matinee rodeo, Sunday, May 4. Judging will start the following morning. Judging schedule by breeds: Monday, May 5—Ayrshire, Guernsey; Tuesday, May 6—Ayrshire, Guernsey, Holstein; Wednesday, May 7—Holstein, Jersey; Thursday, May 8—Jersey, Brown Swiss, Milking Shorthorn; Friday, May 9—Brown Swiss, Milking Shorthorn.

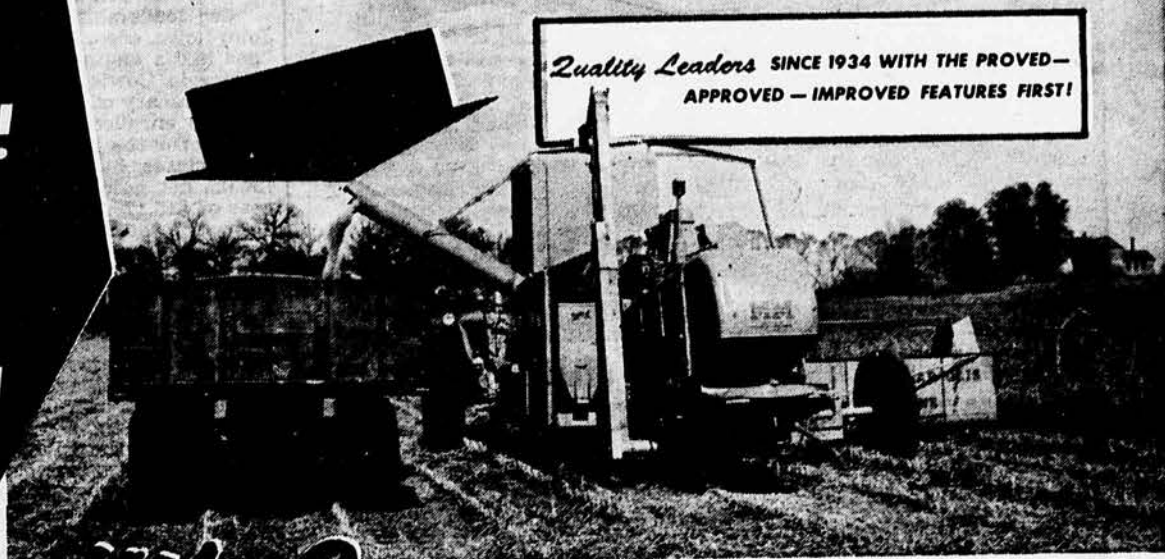
Getting down to entertainment, cowhands, clowns and trick riders will converge on Kansas City, May 4, seeking a share of the rodeo purse. About 200 bronc busters, Brahma bull riders, steer wrestlers and cutting horse specialists—headed by such saddle stars as Casey Tibbs and Jim Shoulders—will be entered.

An assortment of other events will be held in connection with the dairy show. An intercollegiate dairy cattle-judging contest will be held for teams from land-grant colleges in the Midwest. About 15 teams are expected to enter. Among other events will be the annual herdsmen's dinner.

Tickets are \$1 for general admission; \$1.50 for reserved seats (the first 6 rows behind the boxes), and \$2 for box seats. Tickets may be obtained by writing the American Royal at the East Arena Box Office in the Municipal Auditorium in Kansas City.

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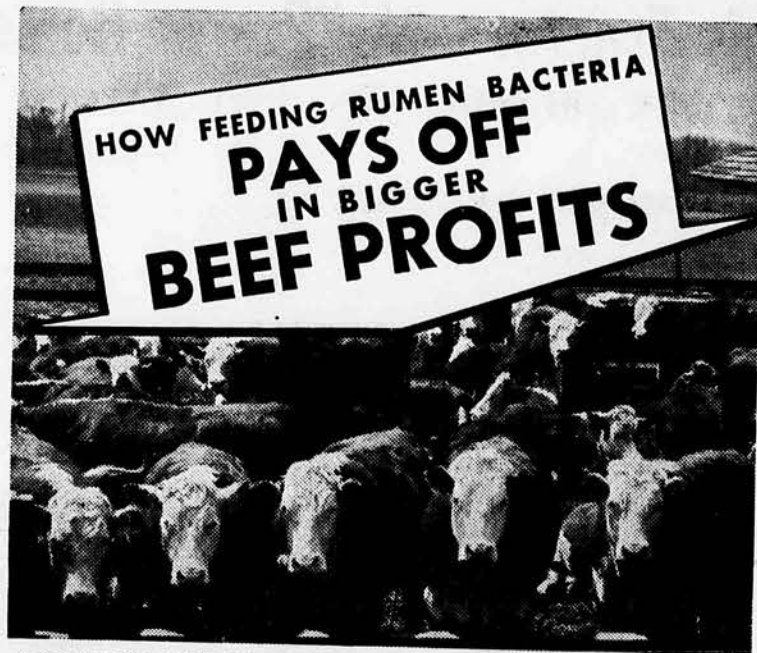
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Vocational Agriculture

By HELEN ANKENY



THE Vocational Agriculture program in Winfield high school under leadership of Ira Plank and John Lowe, according to a local paper, "has had a distinct and important influence in Cowley county."

A summary of farm accounts of the 60 boys enrolled in Vocational Agriculture for the last year, shows the 3 upper classes have a net worth of \$57,736.09, net gain in net worth for the year of \$15,177.98. These averages are highest in the history of the school.

Livestock production records show 42,541 pounds of beef cattle, 59,744 pounds of hogs, and 9,225 pounds of sheep.

Future Farmers in virtually all communities where Vocational Agriculture is offered, have been engaged the last 2 months in pest eradication contests. Among the contests is one held by McCune Future Farmers, who bagged the pests with guns, traps, clubs, and even poison. A survey of the contest showed the boys accounted for 1,348 rabbits, 1,855 sparrows, 168 possums, 264 mice, 152 rats, 20 crows, 5 coyotes, 4 sparrow hawks, and 3 blackbirds.

What amazed the boys most was the comparative shortage of rats. Entire total for the contest was under half the figure reached at the halfway point the year before. This was credited to a pair of reasons. One is wide use of anti-rat poison. The other is the flood of last summer. In the area where the Neosho spilled out, the boys found no rats. Ralph Utermohlen is the instructor at McCune.

McDonald, Bird City, St. Francis and Atwood Future Farmers have recently completed a series of broadcasts over the Colby radio station, KXXX. The series was on wheat production.

Nu Champ Queen 4th, registered Duroc gilt from the herd of Vern Albrecht, Smith Center hog breeder, was purchased recently by Paradise Future Farmers, W. L. Obley, adviser. The gilt will be used to start a gilt ring, which the organization plans to carry indefinitely. The bred gilt was given to Larry Hoopes with the understanding he will follow recommended feeding and housing practices, and turn back to the chapter next fall, one gilt and one barrow. The gilt in turn will be

awarded to another Paradise Future Farmer, while the barrow will be sold to help pay for part of the cost of the original gilt.

Custom seed cleaning on the farm is a new business venture for Rose Hill Future Farmers. The 36 members and their instructor, John T. Nance, recently bought a used portable seed cleaning machine and reconditioned it in the school Vocational Agriculture farm shop. The FFA boys already have started county-wide service in cleaning and treating chemically, all kinds of seed crops. Officers of Rose Hill chapter are: Paul Carr, president; Paul Burnham, vice-president; Carl Poston, secretary; Marvin Crocker, treasurer, and Edwin Wilks, reporter.

Annual meeting of the state FFA executive committee was held on April 15, at Kansas State College when the committee reviewed applications of candidates for State Farmer degree. The association is permitted to elect 2 per cent of the state's membership to the State Farmer degree. One-hundred-eighty applications have been received. The number that can be elected to the degree will be between 125 and 130.

Co-operating with the local Kiwanis Club, the Sabetha Future Farmers and their adviser, H. R. Pollock, are planning to plant hard maple seeds this spring which they gathered last fall. In 2 years they will give the trees to the people in and around Sabetha for planting.

Edward F. Shaw has taken the place of William Parker, Vocational Agriculture instructor at Leon. Mr. Parker left McCune to go into business.

Members of Mankato FFA chapter and their adviser, Darwin Householder, are co-operating with the city in poisoning rats at the city dump. The necessary Warfarin to kill the rats is being supplied by the Wisconsin Alumni Research Foundation, and the Future Farmers purchased the cornmeal to mix with the bait. The boys also made the bait stations from scrap lumber. They planned to keep the stations replenished with bait for 6 weeks.

FFA Members Plan Annual State Convention

By HELEN ANKENY

MORE THAN 1,500 Kansas Future Farmers and their Vocational Agriculture instructors and coaches will be on the Kansas State College campus April 28 and 29. They will participate in the 29th annual state high school Vocational Agriculture judging and farm mechanics contests and the 24th annual convention of the Kansas Association of Future Farmers of America.

According to L. B. Pollom, Topeka, state FFA adviser and state supervisor of Vocational Agriculture education, invitations were sent out recently by Pres. James A. McCain of Kansas State College to high school superintendents and principals of schools offering Vocational Agriculture. Kansas Future Farmers have been attending district judging and farm mechanics contests the last 2 months, competing for the honor of representing their school. FFA public speaking contests also have been held to pick the best orators in the state to try out for state honors. Future Farmers of the 176 chapters in the state also have been busy compiling their chapter reports for entry in the state better chapter contest, and a try for the gold emblem award.

One-hundred-eighty-four applications have been received for the State Farmer degree, highest award a state association can bestow on a Future Farmer. With an active membership of

6,865 in the state, and only 2 per cent to be chosen, this means only 137 of the 184 candidates will be successful in their application for the award.

In the agricultural contests, Monday forenoon, April 28, will be devoted to judging dairy husbandry, and Monday afternoon to animal husbandry. Tuesday will be taken up with judging poultry and agronomy. Individuals will be ranked on the basis of their proficiency in judging these groups: beef cattle, hogs and sheep, dairy cattle, grain, and poultry. Teams consisting of 3 students from a high school will be ranked in a similar manner.

H. L. Kugler, department of agricultural engineering, is co-ordinator for the farm mechanics contest. Individuals and teams will be ranked on their proficiency in these 7 farm mechanics contests: sharpening tools, farm power, soil conservation, concrete, welding, farm machinery, and farm carpentry.

All entries in the judging and farm mechanics contests were due in the office of Professor A. P. Davidson April 14. Marvin Decker, Holton, president of the Kansas FFA association, will be in charge of the 2-day annual state FFA meeting. Assisting him will be Wayne E. Thies, Shawnee Mission, vice-president; Francis Reichart, Valley Falls, secretary; Richard Reinhardt, Chanute, reporter, and Darrel Gartrell, Stockton, treasurer.

No 4 in a series on interesting facts about Kansas crops . . .

SOYBEANS

Ancient, Valuable Crop

By GORDON WEST

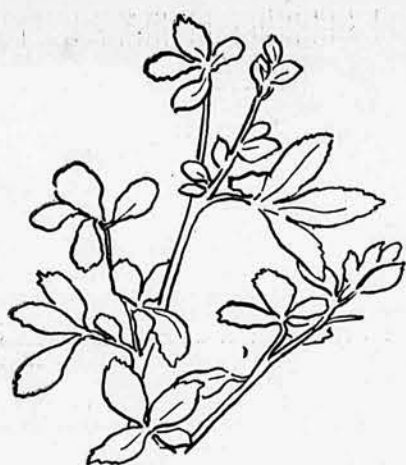
SOYBEANS," said an ancient Chinese proverb, "are the poor man's meat and the poor man's milk." But the early-day Chinese didn't know the soybean is an especially good food because of proteins and vitamins.

Later, the Chinese described soybeans as the most important cultivated legume, and one of the 5 sacred grains essential to the existence of their civilization. From China and Korea the soybean spread to other countries of the world.

Soybeans have been grown for thousands of years. First recorded history was in a Chinese medical book of 2838 B.C., written by a Chinese emperor. The soybean was known as "Little Honorable Plant."

Soys came to the United States from China in 1804. Benjamin Franklin sent some seed from France in 1772, while he was a member of the French Academy of Science. The little bean fascinated him, and he urged seeds be given trials. But for more than a century soybeans were merely a curiosity.

Since 1890, most of our state experiment stations have experimented with soybeans. In 1898, the U. S. Department of Agriculture began to introduce large numbers of soys from Asiatic countries. Today, the crop ranks



5th position in U. S. agriculture. Only wheat, corn, cotton and oats are ahead.

The soybean is probably the most versatile of farm crops. Man can feed, house and clothe himself with products made from soybeans. He can manufacture countless articles—margarine, salad oils, shortenings, varnish, paints, plastics, candles, linoleum, printing ink, soaps, oilcloth. Or eat these products made with soybeans—breakfast foods, candies, ice-cream powder, infant foods, meats, soy sauce, vegetable milk, seasoning powders, flour.

Production of soys as a dependable cash crop each year grows in popularity with farmers everywhere. In 1935, the annual crop reached a level just short of 45 million bushels. This was an increase of 900 per cent in a little more than 10 years.

In 1924 the U. S. harvest of soybeans was 5 million bushels. In 1950, the total was 287 million bushels! No other farm crop has topped that amazing record!

An Ounce of Prevention

By TOM AVERY, Department of Poultry Husbandry
Kansas State College

IT WOULD be a rare poultryman, indeed, who hasn't experienced years when he has had about all the poultry troubles one can think of. Everyone expects a few troubles, but no one likes to be bothered with them all the time.

Right now most chick brooding troubles are at their peak. Some years a person can breeze thru an entire brooding season without any major trouble, while next year may bring one mishap after another. This isn't entirely due to chance.

Serious chick vices are piling and cannibalism. It usually isn't too much of a job to prevent these troubles from getting started, but getting them stopped may be a tremendous undertaking. Certain breeds or strains of chickens may give more trouble than others. This is largely due to their temperament. The more nervous and high-strung a bird is the more likely it is to pile or start cannibalism. Regardless of breed, excessive overcrowding invariably leads to trouble. Undoubtedly overcrowding, either directly or indirectly, causes more trouble than any other single factor. There is an old saying that if one places too many birds in a house they will eventually thin themselves down to the correct number. This thinning is usually brought on by smothering, cannibalism, or unthriftiness.

Needs Plenty of Room

Chicks that are comfortable and kept busy are less likely to cause trouble. There is nothing a chicken appreciates more than room. The average chick needs 1/2 square foot of floor space in the brooder house to grow properly. Birds used for layers next fall should be given plenty of green range during spring and summer.

Many brooding vices never will appear when birds are once allowed on range. One common cause for cannibalism getting started is confining birds that have been used to being out-of-doors.

Any slow-feathering strains of chicks or birds from the more nervous of the light breeds are most likely to start picking. Any chick showing signs of a picked place should be removed from the flock at once. Various anti-pick compounds are on the market, and

if applied properly are usually helpful. It is much easier to stop the trouble before it starts, than to go to all the work of attempting to treat each bird after it is injured. Darkening the room, or painting the windows red, are helpful measures. If electricity is available use a bulb that is painted red, and exclude all other light. Reflectors that concentrate light on feeders are recommended.

One of the most effective and most permanent controls against cannibalism is debeaking. Simply trimming the beak is not effective. If one trims the beak enough to be effective there is considerable danger from excessive bleeding and even death. Most satisfactory and safest is using an electric debeaker. If one follows instructions carefully there is little danger from death loss, and one debeaking should be lasting.

Busy Chicks Are Safe

Keeping chicks busy always is helpful in holding down trouble. Stir feed frequently so chicks will be kept busy picking small particles. Chicks always like green feed. Hanging several bunches of green feed, just high enough so chicks will need to stretch up a little to reach, helps keep them occupied.

One of the most disheartening experiences is to have a group of strong, healthy chicks pile up and smother. It usually is the larger ones that smother. This is because they are stronger and are able to push themselves into the center of the pile. Chicks should be taught to spread out evenly in a circle just outside the edge of the brooder stove canopy. This is best accomplished by encircling the stove a couple of feet out from the edge of the canopy with a strip of cardboard or hardware cloth. The circle can be enlarged each day, by end of first week may be removed entirely. Drafts in a brooder house are sure to cause piling. Drafts usually can be eliminated by adjusting windows.

A damp house or one a little too cold is likely to bring trouble. Chicks that are warm and comfortable usually will appear busy and will be evenly distributed over the pen. Whenever chicks start huddling in small bunches it is a good warning that piling is going to start unless proper adjustments are made. Best remedy is to encourage chicks to roost as early as possible.

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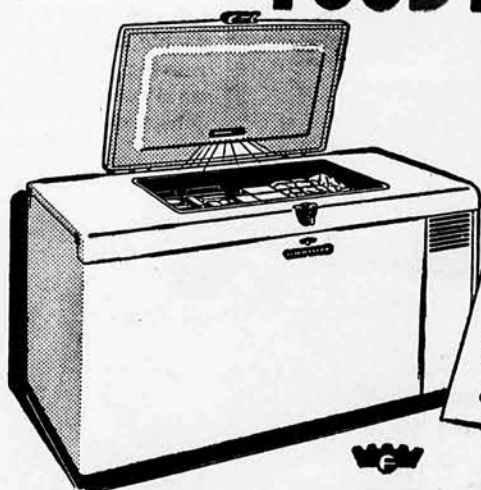
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Always Buy the FRIGIDAIRE FOOD FREEZER



Yes, careful buyers choose Frigidaire... like Mrs. Arthur Heck (see opposite page) who couldn't get along without her Frigidaire.

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- Counterbalanced Lid
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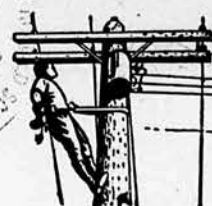
Don't forget: Buying a food freezer calls for careful consideration of all factors. Frigidaire has heavy 4-inch insulation all around and cold-making coils on all four sides and bottom, too. Its counter-balanced lid shuts heat out and handles easily despite its

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Now That You Have Electricity

FROM here on, breezes will be whipping water from the week's wash with greater frequency as warm air brings outdoor clotheslines into use. An article in a recent magazine pointed out, however, stress and strain occasioned by snap, whipping, and even freezing, can be avoided. These electric driers are year-round appliances that remove dangers of broken clotheslines or collapsed poles or sudden duststorms.

One thing about spring, it generally provides more light to work by. But even this usually is not enough, experts tell us. It is a common tendency to starve our eyes for light when there is a job to do. USDA researchers insist a person should have twice as much light for repairing a piece of machinery or doing the family ironing as for eating a meal. They go on to say a person should have twice as much light for eating a meal as for moving around the house or yard safely. In other words, now that light sources are so easily available, why not make use of them?

While discussing light, we read of a Duke university professor who has foreseen that lighting houses is getting closer and closer to nature's way. Newest method of approaching a natural effect is in panel fixtures, he says, which can be translated to mean "a diffusion of a small amount of light over a large area." This method gives a soft overhead light for reading or general illumination and is said to be decorative as well.

We read the other day of an Iowa farmer who uses ordinary canning jars to protect light bulbs in his barn and other buildings. It should be a simple matter with the wide-mouth variety to cut the top for the lid, fasten it to the ceiling, and screw the jar into place around the bulb.

A recent release tells us of a 3½-watt bulb that destroys odors in a room, such as cooking, smoking, mildew and perspiration. The tiny unit must be burned in a special fixture.

For that matter, there is a company in Hutchinson which has placed an electric vaporizer on the market that is said to kill germs and insects. Like any light fixture, this unit uses heat and infrared rays to vaporize an insecticide or germicide that acts on a wide variety of microbe and insect life. Areas up to 20,000 cubic feet are said to be within the effective range of unit.

An item that struck our curiosity concerned an electric grease gun now on the market that needs no hose. It is a lightweight mechanism that will release instantly 40,000 tiny shots of grease per minute and can build up a 10,000 pound per square inch pressure.

We liked the idea of a portable pail heater that is being manufactured back East. It can be hooked on a wall by means of brackets and provides a source of quick heat. Weight of the pail and contents turns on electricity and starts the unit heating. Removal of pail turns it off. Should water boil out weight of pail alone will not keep the unit in operation.

There is an electric machine available that will simultaneously stir built-up litter and spread lime.

Someone has gone to the trouble to figure out how much hot water is used by the average person—and it is astounding. For one thing, a family of 3 may use enough in a year to float a small sub-chaser, as much as 160 tons. If the individuals have the habit of lingering in a shower or hot tub, it can make a difference in the family's water quota of 40 gallons per day. On the average, an adult may use about 20 gallons.

There is a decorative chandelier on the market that can be raised or lowered as you wish. An automatic reel in the canopy acts to position the light at any level above a table or chair and permits lighting effects to be varied.

For the folks who have television, and it appears many more will be in-

cluded in this within a year, some hints on care may be passed along here to help prolong the life of your machine. Protect your set from dampness; rust and corrosion in connections may alter the performance. Keep the screen clean; finger marks, soot and fumes may obscure the picture tube. Inspect the aerial lead-in wire with some regularity; corrosion weakens the signals. However, don't be a hairpin mechanic. There are complicated checks and balances in TV sets that defy tinkering.

With summer coming, this department can think of the matter of lawn care in terms of electricity. A small pump and electric motor would make an ideal means of keeping grass moist, perhaps by bringing water from a nearby pond or cistern. You might even want to irrigate a garden plot.

A farmer we know has constructed a reel for a 100-foot extension cord. It is a portable contraption that enables him to use any amount of the line he wishes. He simply plugs in an end of the cord at a nearby outlet, then carries the unit to the point where he needs juice. A constant contact is maintained as the reel unwinds by a pair of metal rings, one fastened on the end of the reel, the other on the carrier. Electrical connections are soldered to these.

Don't forget light switches are machines, same as drills, saws and motors, and are susceptible to dust. For instance, a switch or outlet in a corncrib or granary might profitably be sealed with a plastic cover when not used, just to keep dust from injuring moving parts or spoiling contacts.

On the matter of wall switches in the house, there is a luminous plate that solves the problem of locating the switch in the dark. Actually, the new product is a thin plate of glowing glass that is cool and provides an even light. Not only is it useful for switch plates but can be adapted for clock dials, night lights, guardrails, table tops and large plates may be used for overhead lighting.

Perhaps we mentioned it before in a roundabout way, but the idea is worth repeating. It is another in the line of sleeping aids that include electric blankets and electric sheets. This addition is an electric mattress pad that warms to a shade above body temperature and keeps you from experiencing the discomfort of crawling into a cold bed. It's washable and can't shock.

A new saw unit can be obtained for electric drills which provides an all-purpose tool with a quarter-inch stroke. Attached directly to the drill, the tool makes its own opening and is good for scrollwork, keyholes or irregular openings in plywood or wall-board.

Seal the Edges

If edges of wax paper around picnic or school sandwiches are sealed with a hot iron, the packages are neater and airtight.—Mrs. Anna Young.

Roughing It



"Breakfast will be ready in a jiffy. Plug these in."

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For
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It's like having a supermarket right in your own home. You can quickly freeze choice meat cuts, poultry, garden-fresh vegetables, out-of-season treats and leftovers, to be used when you choose. You'll always have a good supply of fresh, nutritious food right on hand. Freezing food is so much easier than canning, too!

You'll find meal planning much easier, too, and meals better. Frozen foods retain natural colors and flavors—they look good, taste good, are good!

So for better living Electrically, get your modern food freezer soon. It will pay for itself many times over in years to come.



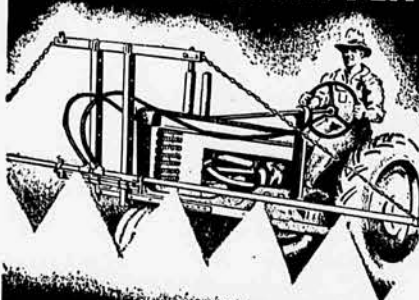
See one of our representatives or your local electric dealer. They have many plans and ideas that will be a great help to you in selecting those new modern appliances for the home or laborsaving items about the farm that pay for themselves in a short time.

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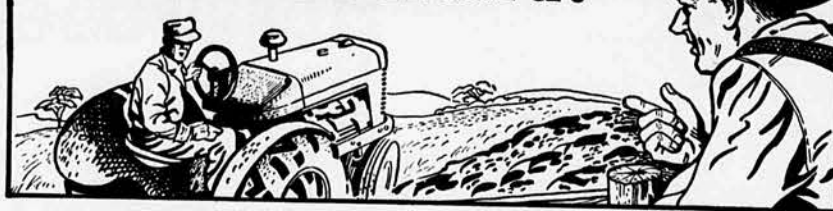
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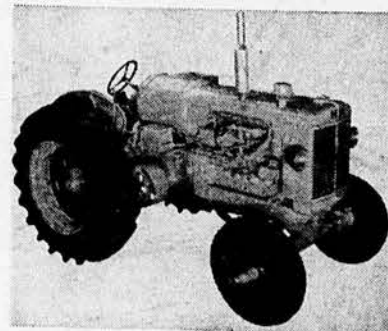
Have You Heard?



Notes on New Products and Folks Who Make Them

NEW Tribiotic Ointment is announced by Wyeth Inc., Philadelphia, Pa., who say it aids in prevention and treatment of mastitis. Ointment provides combined action of 3 antibiotics in a single treatment.

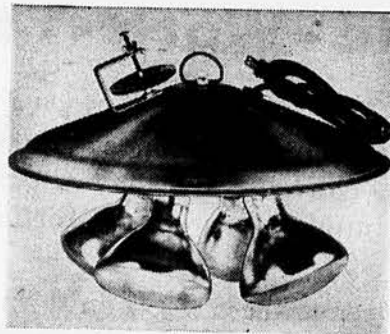
MM LP-Gas Tractor is announced by Minneapolis-Moline Co., Minneapolis, Minn. It is a 4-5 plow, improved G tractor with a new heavy-duty LP-gas engine designed to give balanced power and excellent fuel economy. Features



special LP-gas manifolds and carburetion equipment; front wheels inset to place centers of tires over steering knuckles to greatly reduce steering effort and wear; new double-disc brakes enclosed and operated on transmission countershaft; adjustable Flote-Ride seat; MM exclusive Uni-Matic power that provides hydraulic control.

Two New Roses have won designation of All-America rose selections for 1953. They are Chrysler, a hybrid tea, and Ma Perkins, a floribunda. Both new roses will be available to public for planting this fall.

Steber 4-lamp, infrared heat lamp brooder is designed to foster a brood of 250 chicks. There is a 17-inch hood



to protect the lamps. A thermostat controls 2 of the lamps for maximum utilization of electrical power. The brooder is easy to hang, saves labor, speeds maturity of chicks.

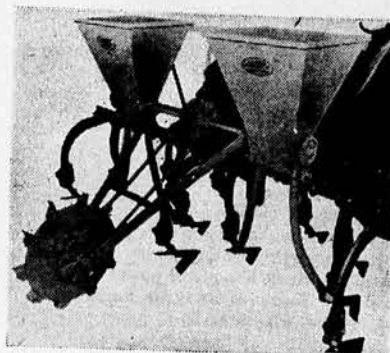
"**Grass for Profit**" is an excellent new booklet, available from your New Holland dealer. It's a 16-page handbook, gives latest available informa-

tion on practical and profitable use of grass in farm management. Charts and pictures show how grass fits into farm programs to increase yields, lower feed costs and reduction of operating time and expenses.

Stringless Hort is a new garden bean, available thru seed stores and seed dealers for 1952 gardens. New variety, developed by Cornell Seed Co., St. Louis, can be used in its early stages as a stringless snap bean. Green shelled beans have appealing flavor, are good mixed with corn in succotash.

Frank N. Langham, manager of Minneapolis-Moline Company division office in Kansas City, Kan., has been appointed general sales manager of the company. He succeeds George L. Gillette, who retired January 1.

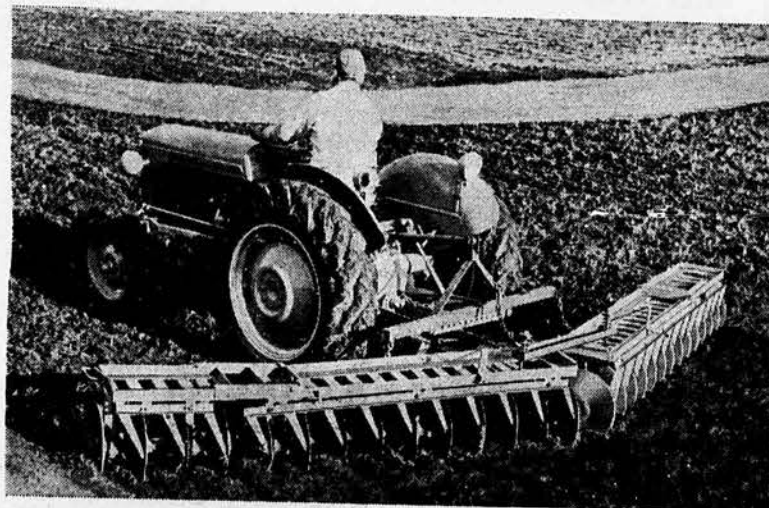
Schultz Side Dresser for Ford, Ford-Ferguson and Ferguson tractors features such improvements as addition of adjustable variable speed pulleys on both drive wheel and feed shaft to provide nearly double feed range. Also, the



side dresser simplifies adjustment to obtain exactly proper quantity of fertilizer per acre. Manufacturer is L. H. Schultz Mfg. Co., Rochelle, Ill., and Waterloo, Ia.

EPN is a new insecticide, known to control a wide variety of crop-destroying insects—plum curculio, Oriental fruit moth, other orchard pests. Tests show new chemical is effective in European corn borer control. EPN should be handled with care, says the Du Pont Company, Wilmington, Del.

Kelly-Ryan Hydraulic Lift Disc is a new product of Kelly-Ryan Equipment Co., Blair, Nebr. Fifteen foot single cut discs, and equipment in tandem discs, have been set to cut full depth under slippery conditions and gullied terrain until tractor is hopelessly stuck. Then, disc gangs are lifted hydraulically to throw weight on tractor wheels and decrease cutting drag enough to let tractor pull out. Other operational features—skips grassways, discs right up to adjacent growing crops, lifts gangs and drops them right on line and raises gangs for field to field work.



KELLY-RYAN Hydraulic Lift Disc.

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Marketing Viewpoint

By C. P. Wilson, Livestock; Paul L. Kelley, Dairy Products; Leonard W. Schruben, Feed Grains.

I have some cows I want to sell this year. I would like your advice as to when to sell these cows. I wondered whether I should feed them grain or sell before grass or graze until sometime in midsummer.—K. K.

It is probable cow prices are considerably higher now than they will be next fall. The question you must answer, of course, is this: Will the cows gain enough on grass this summer to offset the decline in price?

It will make some difference whether you have grass or whether you would rent grass. It would also make some difference whether you had other uses for your grass or whether it would lie idle. You would probably be as well off to sell your cows this spring rather than to rent grass and graze them for the season. However, if you have grass that would stand idle you may wish to graze them and take a chance on the market at the end of the grazing season. If you do graze your cows, it is suggested you sell early next fall. In fact, selling in early August would be preferable to carrying them later in summer.

What do you think the trend in dairy prices will be for the next few weeks? —M. L. F.

Seasonal increases in milk production over the U. S. are resulting in some weakness in the manufactured dairy products markets. Surplus cream in some areas was being prepared for storage.

Butter markets have been nervous. Prices between the New York and Chicago markets were out of line on a transportation differential basis. This has been attributed to several factors. Surplus milk in the East is going into butter. Also, the prospect of removal of import restrictions and future oleo competition in New York have combined to bring New York prices out of line with other sections.

The cheese market also has had some weak undertones. The evaporated milk market has been rather steady, however. All of these market conditions are important to fluid-milk producers in federal order markets as their formula prices are based on manufactured-milk markets. It would seem for the next few months we should expect to see some weakness in fluid-milk markets.

We may even see some reduction in retail milk prices in some markets if any further reduction in consumer demands occurs.

Do you think wheat prices will advance between now and harvest? —H. E. M.

Some price advances may occur but they probably will be small and of short duration. Prospects for the winter wheat crop are encouraging in most areas. Crop prospects will become of increasing importance as harvest season approaches. During years of good crop prospects, prices usually decline thru May and June reaching a seasonal low during July or August. While "free" wheat supplies will be somewhat reduced, it appears there will be enough wheat available to the trade and to processors so government-owned stocks will not need to be used.

More 4-H Reporters Enter Contest

Here is a third list of Kansas 4-H Club reporters who have written *Kansas Farmer* about the 1952 Kansas 4-H News Writing Contest and for one of our "Suggestion Sheets" of stories to prepare. *Kansas Farmer* is new sponsor for this contest.

Reporters and home include: Sylvia Unruh, Pawnee Rock; LaVern Stenzel, Box 38A, R. 2, Wakeeney; Joyce Pearson, Marienthal; Donna L. Armstead, R. 2, Ozawie; Barbara C. Zink, R. 1, Dodge City; Donald Gene Sticher, Bazine; Duane Spears, Bloomington; Wanda Watson, R. 2, Reading; and Dorothy Minear, R. 1, Lucas.

Several adult leaders and officers of clubs also have written for more information about the 1952 contest. More names of reporters will be printed in future issues of *Kansas Farmer*. Write us for contest details.

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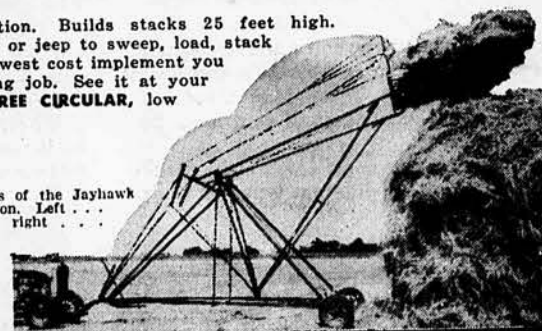
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Canada and United States
Are Alarmed as . . .

Foot-and-Mouth Disease Strikes Again

By GORDON WEST

FOOT-AND-MOUTH disease, or aftosa, most dreaded of all livestock ailments, has struck again, following a clean-up in the 6-year fight against the malady in Mexico. Recent outbreaks on 22 premises in Canada have focused new attention on control of "aftosa," and precautionary measures.

Aftosa is a world-wide threat to the livestock industry of nations. Should it break out in this country and get out of control, products of animal origin might be reduced by 25 per cent. An epizootic now raging in Europe, recent outbreaks in Venezuela, Colombia, and Canada all attest to the elusiveness and "tricky" quality of the disease, comments the U. S. Department of Agriculture.

A filtrable virus causes the disease, which affects cattle, sheep, goats, other ruminants, and swine—any animal with the cloven foot. Man may become infected but such cases are rare, of mild character, and of no public health significance. Aftosa spreads rapidly from animal to animal, from herd to herd. It can be transmitted by feed, other materials, on a person's feet or clothing.

Know your enemy. There are distinct visible external symptoms. Vesicles, or blisters, appear on the tongue and about the mouth, on the skin above the hoof line, on skin between toes, on teats and udders, and on snouts of swine. Blisters usually rupture within 24 hours and form red, granular erosions. Fever and marked salivation, or "slobbering," accompany these early symptoms. Foot lesions cause lameness. Sick animals eat and drink with great difficulty or not at all. They lose weight. There is a marked reduction of milk flow in dairy herds. Pregnant animals often abort, while breeding animals frequently become sterile.

Vigilance Is Protection

In United States, vigilance is greatest protection against aftosa. Neither susceptible animals nor fresh meats are allowed entry from countries where the disease exists. Aftosa has been known for centuries and has existed for long periods in many countries, despite the more or less vigorous methods used for its control.

In the great 1914 outbreak, Kansas was one of the 22 states affected.

Experiences with the disease in different parts of the world have been costly. Billions of dollars have been spent, and millions of head of livestock have been slaughtered. The 6-year fight in Mexico (1946-52) cost the United States alone about \$120,000,000. In that co-operative program with the Mexican government, about 1,000 Americans have aided the program.

Commercial losses have affected both farmer and consumer. Many dairy and livestock men have been put out of business. Commodities such as hay, hides, straw, meat and farm produce have declined, thus affecting the consumer. Entire business of marketing, transporting, feeding and slaughtering have been interrupted and deranged. Losses have reached enormous proportions. In U. S., cost of eradicating past outbreaks during the 20th century has been set at \$8,000,000 to the Federal Government; costs to states and indirect losses, at least \$174,000,000.

There are 2 generally recognized methods of combating the disease, comments USDA: (1) slaughter, and (2) quarantine. The slaughter method aims at complete eradication, consists of rigid quarantine of infected premises, slaughter of all infected and exposed animals in shortest possible time, and cleaning and disinfection of premises. Quarantine method consists mainly in isolation and treatment of infected animals. This method will not eradicate the disease in most instances, as shown by continued presence of disease in countries where plan is used. Most practical and effective method for absolute eradication is slaughter. However, in countries where aftosa has gained a strong foothold, the slaughter method cannot be employed economically. U. S. has demonstrated that the disease can be entirely eradicated by slaughter at much less cost than financial losses would be if disease were allowed to become well-established.

Aftosa Is World Problem

Europe has been pestered with aftosa for many years, has suffered tremendous economic losses. India and some South American countries also have been seriously bothered with the disease.

Outbreaks have occurred in United States 9 times—1870, 1880, 1884, 1902, 1908, 1914, 1924 (twice), and 1929.

In 1870, the disease was introduced by way of Canada, where infection was brought by importation of cattle from Scotland. Aftosa spread into New England states and New York.

In 1880, there were 2 or 3 lots of animals brought to the U. S. affected with the disease. In 1884, there was a small outbreak at Portland, Me., caused by imported cattle.

In 1902 aftosa was discovered in Massachusetts and Rhode Island, involved those 2 states, New Hampshire and Vermont. It was eradicated in about 6 months. In 1908, the disease was observed in cattle near Danville, Pa. Infection was traced back to stockyards at East Buffalo, N. Y., and to Detroit, Mich. Infected states were Michigan, New York, Pennsylvania and Maryland. The outbreak was stamped out in about 5 months.

At Niles, Mich., in October, 1914, aftosa broke out and in 30 days affected animals in 22 states. It was most serious and extensive ever known in this country. Infection lasted until May, 1916. Also, in 1914, aftosa broke out at Chicago International Dairy Show and rigid quarantine was established. All precautions were taken to prevent spread—possible disease carriers were destroyed or fumigated; fences and buildings were sprayed, and flocks of pigeons at stockyards were killed.

In September, 1924, infected Zebu (Brahman) cattle imported from India caused an outbreak of aftosa in Texas. In February, in California, garbage from a steamer from South America caused an outbreak in a large dairy herd near Oakland.

In 1929, in California, the outbreak was similar to the 1924 infections. This time it was from garbage-fed swine.

In December, 1946, came the great outbreak in Mexico, which caused con-

(Continued on Page 27)

Foot-and-Mouth Facts . . .

In 1925 at annual Argentina Live Stock Show, at Buenos Aires, the grand champion bull sold for more than \$50,000. A few months later he was dead, from foot-and-mouth disease.

Zebu (Brahman) cattle and garbage carried into country from foreign steamers have been 2 causes of several past outbreaks.

Starlings have been under suspicion as possible carriers of aftosa. It is believed virus is carried into England from the continent—where the disease always has been rife—by migrating starlings. Feeding habits of starlings bring them into close contact with cattle.

cern to that country, the United States and other neighbors.

Win Battle in Mexico

Last March 12, the USDA announced if present favorable conditions continue, with no outbreaks by September 1, Mexico will be declared free of aftosa. The 6-year battle is one of the greatest ever waged against animal disease. Plan of operation included inspection, quarantine, eradication of infected and exposed animals, cleaning and disinfection of contaminated premises, and vaccination of healthy, susceptible animals. Total vaccinations numbered more than 60 million and almost a million animals were eradicated. At height of campaign, more than 8,000 Mexicans and Americans were employed by the joint U.S.-Mexican commission. Last 3 outbreaks were discovered in Mexico in December, 1949, December, 1950, and August, 1951. Millions of livestock owners and farmers have co-operated to make the campaign successful. The commission established laboratories in Mexico for manufacture of vaccine and to aid in diagnoses. With lifting of the Mexico meat ban, Mexico will be able to ship more than 500,000 head of cattle across the border annually. In May, 1946, U. S. placed severe restrictions against entry of any fresh meat or livestock from Mexico.

On February 25, 1952, the U. S. banned all imports of live cattle and fresh beef from Canada, due to outbreak of aftosa in an area near Regina, Saskatchewan. Only canned and cured Canadian meat is allowed to cross the border. Every precaution is being taken to prevent spread of infection. An extensive area, involving about 25,000 cattle, is under quarantine.

Progress is being made in U. S. and various countries, but much more needs to be done. Within last 3 years the U. S. Government has conducted 2 schools for training veterinarians from all sections of the country to recognize the disease. A third school was underway when the Canadian outbreak occurred. The fourth will begin soon. Early recognition is thought to be the best weapon against aftosa.

Hold Paris Conference

From May 15 to 20, 1950, an international aftosa conference was held in Paris, with 32 nations represented. Major decisions reached: (1) When new outbreak occurs in world, warnings will be sent to all countries thru United Nations; (2) new strains of the disease will be identified at an international center in England, and (3) new facts will be reported to all countries.

In late 1950, at a meeting of the American Veterinary Medical Association, a new test for aftosa was reported by 4 doctors from Mexico City. The new test was reported as being fast and accurate. USDA has sent scientists to Europe to study the disease in laboratories of England, Denmark, Switzerland and Netherlands. A German research center on the island of Riems was taken over and directed by Russians at close of the war. Brazil has planned an aftosa research center.

Plan Research Center

European vaccines were used in 1947 in Mexico but were not effective. England has been one of the leaders in aftosa research. In 1948, the U. S. had great plans for a large research center on an island off the Eastern coast. Public Law 496, which authorized a laboratory to be established, was approved in April, 1948. But Congress refused to appropriate the money necessary to set up the laboratory and U. S. lost her chance to obtain new, vital information for benefit of millions, and a chance to be world's leader in aftosa research. Many believe the new focus of attention on the disease in Canada and new immediate danger to U. S. will help to obtain a laboratory here. In the past, no U. S. scientist has been allowed by law to conduct aftosa research on U. S. soil.

Most astounding fact of the aftosa story is the only large areas in world today believed free of the disease are U. S., New Zealand and Australia.

Name New Farm Bureau Official

Named as commodity and marketing director for Kansas Farm Bureau is E. D. Stockebrand, Vocational Agriculture teacher at Wamego. He will assume his new duties in April. Mr. Stockebrand is a 1931 Kansas State College agricultural graduate.

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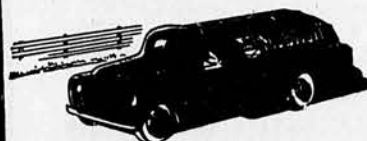
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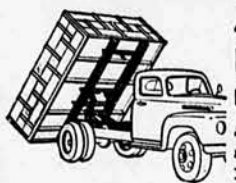


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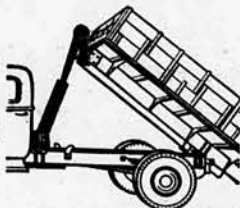
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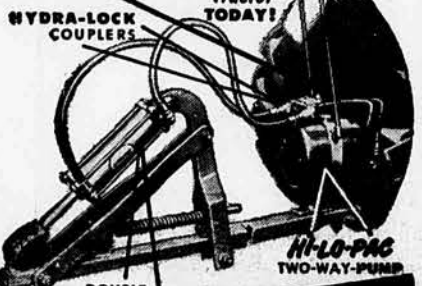
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Worth Its Weight

(Continued from Page 4)



THIS IS WHAT a basin-listed field looked like. Basin lister that did this job is shown at top of page 4, in this issue of Kansas Farmer. Note paddle-like blades at rear which made basins in this field. They held a 3½-inch rain without any runoff.

that borders on genius have helped him give outstanding service to Kansas agriculture during his 31 years as superintendent at the station.

"When I arrived in 1921 there were 92 horses and mules on the station farm and all farm work was done with them," recalls Mr. Aicher. "I remember one day we had 62 mules in the fields at one time doing various work. What a task it was to harness and care for that many work animals! And we were always being plagued with runaways. It was really a mess.

"I bought our first tractor in 1924 and we mechanized as rapidly as we could after that." But the road to full mechanization wasn't easy. Some machines he wanted were not on the market yet, and others that were available he couldn't buy many times for lack of money. Remember, I told you in my first article the station is 60 per cent self-supporting.

Dug Thousands of Postholes

I don't know for sure when the first tractor-mounted posthole digger came on the market, but Mr. Aicher built one in 1927. It was crude, of course, but so successful it was used until 1948. "We drilled thousands of postholes with that digger," he recalls.

A pickup hay baler, drawn by 4 horses and mules, also was built by Mr. Aicher in 1927. The machine consisted of a stationary-type baler mounted on hard-rubber-tired wheels. Alongside was mounted a loader that picked up hay from the windrow and fed it onto a canvas sling from which a man with a pitchfork stuffed it into the baler while on the move.

Even before that he was thinking in terms of tying equipment. In one annual report of the early 1920's I found this notation: "If automatic tying equipment can be successfully installed on a hay baler, one of the greatest steps in automatic hay baling will have been taken as it will eliminate 2 men." In 1947, Mr. Aicher bought the station's first machine having this improvement, but it was more than 20 years after he had visioned it. He also built a bale

pickup attachment for trucks in the early 1940's, several years ahead of pickup attachments of similar type.

You may think plow terraces are new. Mr. Aicher built the first terraces ever constructed in Kansas on the station nursery in 1927 with a plow and V-drag. He did the first field terracing in 1929, several years before experimental CCC terraces were built in Mitchell and Jewell counties.

In 1933, he learned Lincoln county was discarding a wheel-driven elevating grader. He bought it for \$300 and mounted an engine on it. After several other changes the machine was put to work maintaining roads and doing terracing on the station farm. With this elevating machine he made 60-foot broad-base terraces that were easy to farm over. Years of soil conservation work and study since have proved those early broad-base terraces exactly what the doctor ordered for that territory.

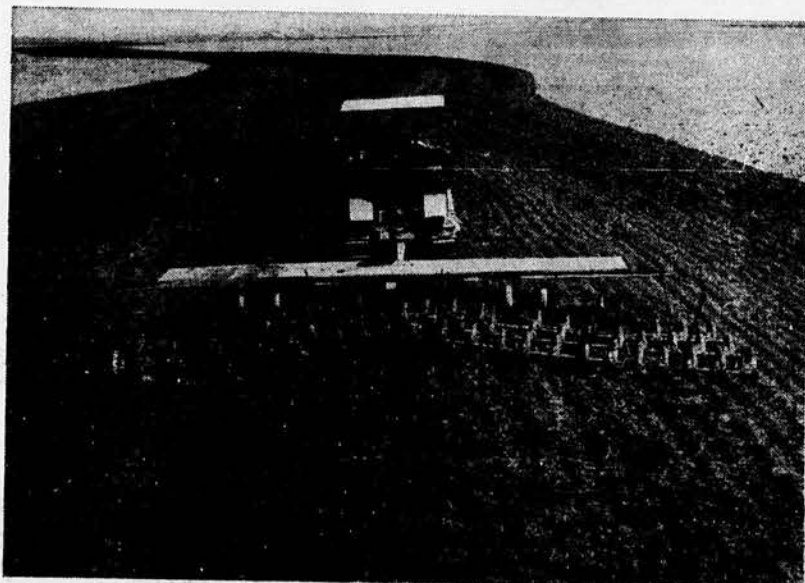
The first basin-dam lister ever built was designed by Mr. Aicher in the early 1930's. "With this lister we were able to contain a 3½-inch rain without any runoff," recalls the superintendent.

Built Buffalo Seed Harvester

His interest in Buffalo grass led him to design and build a series of 3 seed-harvesting machines. "The first one I built," he says, "was in 1935. This machine was a huge vacuum cleaner that picked up 95 per cent of all seed on the ground. The only trouble was that it picked up all the undesirable material on the ground, too."

In 1941 he had visions of remodeling a pull-type wheat combine and making a Buffalo grass seed harvester from it. There was only one catch. He didn't have any money to buy the combine. He did talk his problem over with friends, however, and a local wheat farmer, Mike Bird, finally lent his machine to be remodeled with the understanding he and the station could have joint use of it. Later, Mr. Aicher designed and built a self-propelled machine for his third harvester.

"After we learned to harvest Buffalo
(Continued on Page 29)



SIXTY-FOOT broad-base terraces like this were being built at Hays station years before many folks accepted them.

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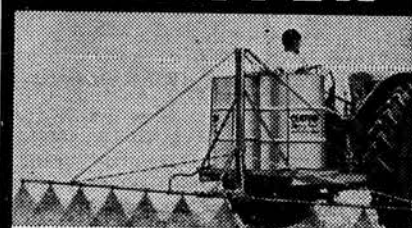
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grass seed," he says, "I had to build a grass seeder that would put this seed at the right depth."

"Up to that time all Buffalo grass reseeding had been done by the hay method as developed by L. E. Wenger, of the station. This consisted of cutting Buffalo grass and stacking it at haying time. The next year this hay was scattered with a manure spreader, then gone over with a packer. It is still a good method, but slow."

"Once we got our seeder perfected we then used it for missionary work to prove to farmers and others that Buffalo grass can be seeded. We used this seeding equipment on airfields for the Army during war. As a result most commercial airfields in our area have seeded their fields."

Silage harvesting and handling equipment have come in for plenty of attention, too. In 1941, Mr. Aicher built an attachment on a 2-row corn binder that loaded bundles of Atlas sorgo direct from the binder onto the wagon, eliminating the job of picking up bundles.

Cut Silage Making Costs

Then, in 1946, he built a 2-row pull-type forage harvester that worked well the one year it was used. "The next year, 1947," says Mr. Aicher, "I tore down the old pull-type harvester and rebuilt it into a self-propelled, 2-row harvester. This machine actually cut our silage-making costs by 62 per cent. No one is making this machine commercially yet but I sincerely believe they will eventually as there is a great need for it in the Great Plains area."

This self-propelled silage harvester probably has received more publicity than any other thing Mr. Aicher has done at the station.

But his ingenuity did not stop with harvesting silage. He also had a problem at the silos. Remember, there are 10 pit silos on the station farm, as described in my first article. These silos extend about 3 feet above ground level—too high for trucks to dump direct. To overcome this Mr. Aicher designed a portable ramp and conveyor that can be put into position for servicing 3 silos at a time. Trucks are backed onto the ramp and dump into a conveyor that can take silage either direction.

Mr. Aicher also was one of the first men in the area to sense the value of hooking several conventional machines in line to cover more acreage with one tractor. Much of the present planting and cultivating equipment used on the station falls into this class.

One of the earliest uses of this idea was when he took 3 conventional 2-row corn planters and hooked them in line with a single hitch to the tractor for use in planting sorghums. By changing 7-inch spaced wheat press drills to 10-inch spaced press drills and using 3 in line, he also can drill a 30-foot swath of wheat.

More Machines to His Credit

A close look at the 31 annual reports in the station's files discloses many more such instances in which Mr. Aicher has come to the rescue with some idea that meant the difference in getting the work done with the help and equipment available. Thirty such pieces of equipment or parts of machines had been designed, built and tested on the station farm by 1944. Several more have been completed since.

Some of these machines and machinery improvement ideas have had widespread effect on farming practices in the Great Plains area.

L. C. Aicher attended Colorado Agricultural College and got his B.S. degree in Agriculture from Kansas State College. Before coming to Hays he was superintendent of the Idaho substation, at Caldwell, and later worked up to superintendent of the Aberdeen Experiment Station, Aberdeen, Ida.

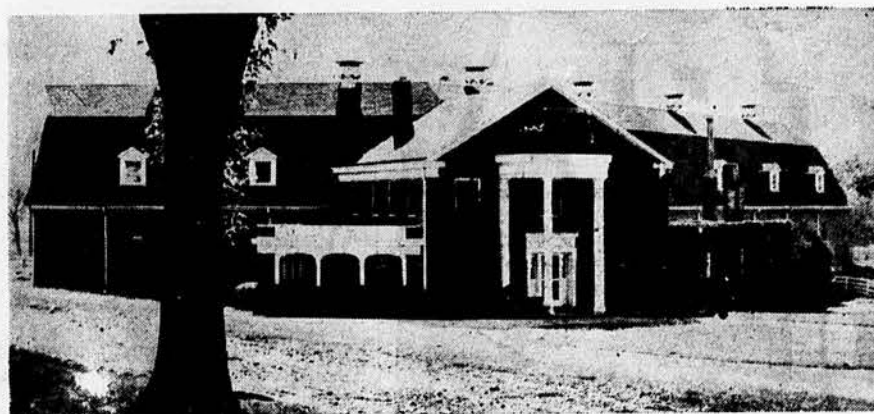
He holds memberships in Alpha Zeta, Phi Kappa Phi, American Society of Agronomists, American Society of Animal Production, American Society of Range Management, Kansas Academy of Science, National Geographic Society, Kansas Livestock Association.

Mr. Aicher is registered in American Men of Science and is a member of the Hays Rotary Club and Hays Chamber of Commerce.

A daughter of Mr. and Mrs. Aicher, Mrs. Walter Lewis, of Larned, was selected thru *Kansas Farmer* as a member of the 1951 class of Master Farm Homemakers.

William Duitsman, a former county agent in Brown county, will succeed Mr. Aicher as superintendent of the Hays station.

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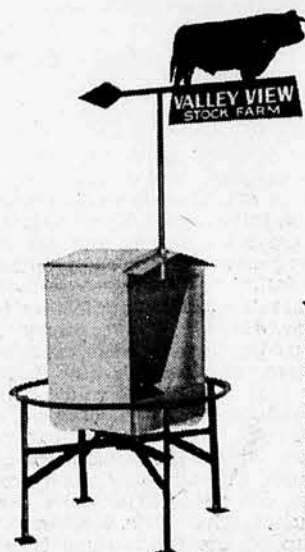
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THE FARM FAVORITE!



A Country Woman's Journal

By MARY SCOTT HAIR

"I hold to my heart when the geese are flying . . .
A wavering edge on the high, bright blue,
I tighten my lips to keep from crying
Beautiful birds, let me go with you."
—By Grace Noll Crowell.

WITH the coming of warm, spring-like days, or the advent of fall and winter, country folk get restless and long for change. Not all of them react in the same manner, they can't afford to. A woman buys a new hat or gets a new permanent wave or some little luxury for her home. Her husband plans to change the fences, hauls in lumber for a new calf shed or buys a new fishing rod. Any one of these activities helps.

Then the thought of selling out and moving to another location comes along with the seasons changes, a thought at first but after thinking it over the idea often becomes a news item in the county paper. Pick up any county newspaper in the fall and again in the spring, and you will see a farm sale here, a sale of implements and cattle there. And one begins wondering who will be the next to move from the community.

Lately our part of the country is being literally invaded by newcomers from Texas. Last summer's drouth and crop failures brought them to the land of rolling hills and clear spring water and here they hope to remain.

In my part of the world a sale is an event to look forward to with as much anticipation as an all-day church meeting with a basket dinner at noon, for indeed the same church women usually furnish the lunch at noon. Folks from miles around come to visit, to see what goes on and to buy.

Housewives tired of being shut in by the weather or confined to the home—stead by duties needing their attention

go along with their menfolks and have a holiday. There's sure to be a new apron or bonnet in the group. Scissors and a newspaper are produced and at once a pattern with weird markings and notches is the first step toward a new apron just like Mrs. Brown's. Favorite dishes are sampled and recipes exchanged. Sometimes an ambitious lady produces her crocheting amidst the oh's and ah's of the group, just like she'd hoped they'd do! Yes, sale day is a big day any way you take it.

It was on one of those bright blue days which come not too frequently in a season resigned to cold and snow that we drove out across the sun-warmed brown hills to the farm of a friend who had cattle listed for sale. The hills were the color of well-browned breakfast toast with cedar trees here and there to give a dark-green accent to the landscape. 'Twas a day meant for a good sale.

The crowd had gathered when we arrived but that did not matter. We weren't going to buy any of the stock. In the words of a quaint character from his childhood, the Mister likes to tell about, we just went to see and be seen. So, also, did a lot of other people.

The highlight of that sale was when 2 shepherd puppies were offered to the highest bidder. They were the tumbly, cuddly like, one looked like a little brown bear while the other, much lighter in color, had the saddest look on his little face. He whimpered and hid his head under his little master's arm.

Men who ought to know have said you can't buy love. That statement did not come from persons who ever bought puppies at farm sales, for any stockman will tell you a good farm dog is about the best investment one can make. I say you CAN buy love, but it will wear 4 paws.

Are You Sunk At the Kitchen Sink?

By A FARMER'S WIFE

DO YOU begrudge the hours spent at your kitchen sink? Decide once and for all whether the moments you spend there are going to be menial or mental or a happy combination of both.

To actually be sunk at your kitchen sink is indeed a sad state of affairs. And probably absolutely unnecessary. Is it the right height for comfort? Are you sure you do not have to lean over, or reach for a comfortable position? If you do, no wonder you're sunk! Like Barkis of old, you might be willing but your spirit flags in short time under the strain. By all means, be sure this working center is the correct height for you.

Have a Window Box?

If you have a window above your sink you are fortunate. I have one with a long window box where the flashing faces of moss roses greet me on a hot summer day. And occasionally the old mother cat. There's a small flower garden in full range, where the riot of colors from the sturdy annuals are constant pleasure from early spring until late fall.

There's a young apple tree too, but it grows slowly. My "memory" flowers are under the tree, the creeping wild verbena, the timber's blue Sweet William and wild violets and a wild rose. Beyond the fringe of Chinese elms is the lovely, level field of wheat, green in winter, silvery in May and shining gold in June. The blue of the sky makes a polka dot pattern between the thick branches. There is a birdhouse on the stump of the old walnut tree which looks quite alluring when the heavenly blue morning-glories surrounding it are in full bloom. There's a feeding board for lonely winter strays and a bird-bath made of an old discarded dish painted white, where the flash of col-

ored wings on shimmering, hot days delights me. Washing dishes monotonous? Not with such a happy outlook as this! Where there's a window, there's a way to beauty on our farms.

But there are sinks without any such inspiration. Sometimes necessity demands it. There could be monotony then, there need not be. An attractive bulletin board over the sink, matching the kitchen color scheme, offers ready relief. A small mirror in the center, a potted hanging vine below is of lasting interest. And then, to change your task from the menial to the mental, try thumbtacking some special verse, menus or recipes that have appealed to you. And by all means try a few good jokes and cartoons. It's amazing how rapidly the work goes when you are smiling at some of the funnier things in life.

Put Away Dishes

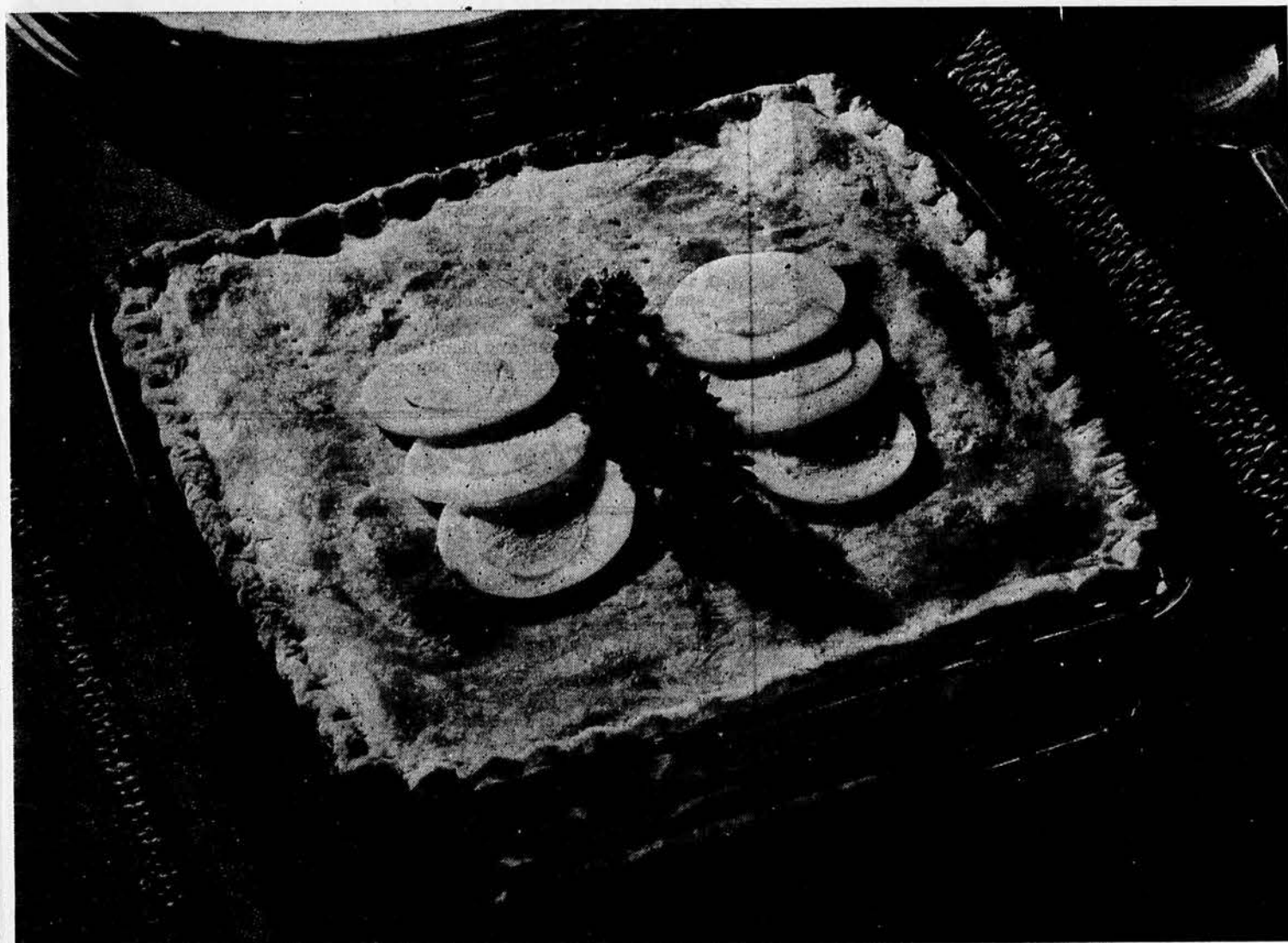
Of course, if your family insists on installing a new electric dishwasher, let them! There still will have to be someone to put away dishes and pans, the sink will have to be scoured and the table tops polished, and doubtless that someone will be you.

Since most of us are at heart conscientious homemakers, we will spend always a certain percentage of our daily time at the kitchen sink. Perhaps no other group of homemakers spends as much time there as farmer's wives. Let's make the most of it! Many a problem can be solved right there and many a superfluous worry washed right down the drain with the last drop of dishwasher!

Get out your sharpest knife to cut fruit cake. For perfect results, dip the knife into hot water and cut with a slow, sawing motion.

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



CHICKEN PIE, rich, flavorful and hearty for those with lusty appetites.

Some of Our Favorites

THAT'S what the Master Farm Homemakers said about these recipes. Recently we asked each of the 6 members of the class of 1951 to send us their favorites. Here they are!

Chicken Pie

From Mrs. Grover Poole, who lives on a ranch in Geary county, came this recipe for chicken pie, rich and flavorful and right for those with lusty appetites.

5-pound chicken
boiling water
2 celery stalks
1 small onion
1 small carrot
2 whole cloves
salt and pepper

In a large pot, half cover chicken with boiling water. Add other ingredients, cover and simmer over low heat until meat is tender. This will take about 2½ hours. Let cool in pot. If pressure cooker is used, less time is needed.

chicken pieces
½ cups diced cooked carrots
7 small boiled onions
½ cup cooked peas
1 cup cooked potato balls
4 tablespoons butter or chicken fat
2 tablespoons flour
½ teaspoon salt
pepper
1 cup chicken stock
1 cup thin cream
pastry

Remove meat from boiled chicken and cut in large pieces. Arrange chicken with vegetables in 2-quart casserole. Melt butter or chicken fat, stir in flour and seasoning. When blended, add chicken stock and cream slowly, stirring constantly over low heat until mixture thickens

and boils. Season to taste. Pour sauce over chicken and vegetables. Cover casserole with rolled pastry, press down on moistened edges of casserole and trim. Make several slits in center and bake in a hot oven (425°) for 20 to 25 minutes, or until crust is lightly browned.

Hot Slaw

Shawnee county is the home of Mrs. Jay Shideler who sent us the following recipe. The hot slaw is one she makes as she learned to make it from her mother when she was a girl at home.

1 quart cabbage, shredded
1 teaspoon salt
pepper to taste
1 egg
¼ cup vinegar
½ cup water
2 tablespoons sugar
1 tablespoon butter
1 teaspoon salt
pepper

Cover shredded cabbage with boiling water, add salt and pepper and boil rapidly for 5 minutes or until just underdone.

While cabbage is boiling, beat the egg and mix with the remaining ingredients. Stir well and pour over the hot drained cabbage. Allow to boil quickly and serve hot.

Gumdrop Bread

Mrs. Walter Lewis, of Pawnee county, sends us a recipe for gumdrop bread which was handed down to her by her mother. It's colorful and loved by all the little folks. Color of the gumdrops can be suited to the occasion, red

and green for Christmas, yellow for Easter and pink for a children's party. Sometimes Mrs. Lewis uses all colors mixed for a party.

2 cups flour
2 teaspoons baking powder
¼ cup sugar
1 teaspoon salt
2 tablespoons melted shortening
1 egg, beaten
1 cup milk
½ cup raisins
½ cup nuts, chopped
½ cup diced gumdrops

Sift flour, measure and sift again with baking powder, sugar and salt. Add melted shortening and blend. Add beaten egg to milk and blend with dry ingredients a little at a time, mixing smooth after each addition. Do not beat. Dredge raisins, nuts and diced gumdrops with flour and add to first mixture. Pour into a well-greased loaf pan, let rise for 20 minutes and bake in moderate oven (350°) for 45 minutes.

Icebox Cake

From Mrs. Ernest Windhorst, of Wells, in Ottawa county, comes a recipe for an icebox cake which she says is excellent to serve at club. She cuts it into squares for serving.

1 package lemon gelatin
½ cup sugar
1½ cups boiling water
1 cup crushed pineapple
12 marshmallows, chopped
1 cup chopped nuts
12 graham crackers
1½ cups whipping cream

Dissolve gelatin and sugar in boiling water and cool. Whip gelatin [Continued on Page 32]



Depends on Active Dry Yeast for good results

Topeka Woman is Prize Cook at Kansas Free Fair

Mrs. George Bessant goes through a file of her prize-winning recipes at her home in Topeka. Mrs. Bessant has been entering Grange cooking contests for 36 years now and has been competing at the Kansas Free Fair for the past 14 years. And she has been a consistent winner! Just last fall at the Kansas Free Fair she won 2 first prizes and 2 thirds.

Like so many prize-winning cooks, Mrs. Bessant gives a lot of credit to Fleischmann's Ac-

tive Dry Yeast. "I can always depend on it for good results," she says. "And this Active Dry Yeast is so easy to use!"

Guaranteed fresher and faster rising—or double your money back! That's Fleischmann's Active Dry Yeast. It's always fast acting, so easy to use! Just add it to warm water and stir until dissolved—it's ready in no time. When you bake at home, use Fleischmann's Active Dry Yeast. And buy a supply—it stays fresh for months.

when it begins to set and add pineapple, marshmallows and nuts. Whip cream and fold in. Roll crackers and arrange half in an 8- by 8- by 2-inch pan. Add the fruit-gelatin mixture over the top and put remainder of crackers on top. Let set in refrigerator. Serves 9.

Egg and Tomato Casserole

"This recipe," says Mrs. John Stephenson, of Osborne county, "is one of the first we had in a nutrition lesson when our Farm Bureau unit was organized and has been a favorite at my house ever since."

2 tablespoons butter	1/8 teaspoon pepper
2 tablespoons flour	1/4 teaspoon paprika
2 cups cooked tomatoes	bay leaf
1 teaspoon salt	2 cups soft bread crumbs
1 teaspoon sugar	8 eggs, hard-cooked

butter

Melt butter, add flour and blend well. Combine tomatoes, salt, sugar, pepper,

paprika and bay leaf and heat to boiling. Put part of the bread crumbs in a layer in baking dish. Cut eggs in eighths lengthwise and arrange half on top the bread crumbs. Sprinkle with salt. Repeat and pour over tomato mixture. Dot with butter. Cover with buttered crumbs and bake in moderate oven (350°) until lightly browned. Serves 6 or 8.

Waldorf Salad Dressing

"I have found no dressing for fruit that I like as well as this one," says Mrs. James Hoath, of Harper county. "My mother gave me the recipe."

1 egg, well beaten	salt
3 tablespoons sugar	1/4 cup vinegar
	3/4 cup water

1 teaspoon butter

Combine all ingredients in double boiler and cook until it thickens. It will be thin but covers the fruit and nuts nicely. Put a little orange or lemon juice in the bowl in which the apples are diced to prevent discoloration. It also adds a nice flavor to the salad.

♦ The Poet's Corner ♦

April

Beware of April's promise
For she's a real coquette
And when she's sweetly sunny,
Look out! You'll soon get wet.

Who puts his trust in April
Is certain to be hurt
And yet we all adore her...
She's such a pretty flirt!

—By Myra Perrings.

May Basket

May basket! May basket! rings the call
And I find at my own front door,
A basket of purple violets
And bright jelly beans galore!

I peer all around and wonder aloud,
"Now who could have been so sweet?"
Till surrender comes from the lilac
bush...

Why, it's the little girl up the street!
—By Mary Holman Grimes

Spring Reveille

If you would come along we'd walk to-
gether
Down paths where new buds open to the
spring,

We'd note the redbud blossoms and
young clover
And revel in each tender growing thing.

We'd look for dogwood blooming on
the hillside,
Buttercups and violets we would seek,
We'd rest upon a log in sweet commun-
ion,

We'd gather small odd rocks beside the
creek.

Oh, spring is for the having, let us
hurry!

For leafy paths hold treasures ages old,
Fragile tones of color, fresh new green-
ness

Emerging after winter's frigid cold.

—By Mary Holman Grimes.

Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

10 TOP MAPLE LEAF VACATIONS IN CANADA

YOU'LL TRAVEL CARE-FREE BECAUSE THEY'RE COMPLETELY PLANNED AND PACKAGED FOR YOU!

1 ALASKA CRUISE. 20 days. Across-Canada rail tour. Stopover Jasper National Park. SS. "Prince George" Vancouver-Alaska. Choice of return routes. *Approx. \$398

2 ACROSS CANADA (Triangle Tour). 11 days. Visit Jasper National Park. 550-mile cruise via famous Inside Passage between Prince Rupert and Vancouver. *Approx. \$213

3 CANADIAN CITIES & GASPÉ PENINSULA TOUR. 12 days. Visit Toronto, Ottawa, Montreal, Quebec. 550-mile motor tour of Gaspé, Brittany of the New World. *Approx. \$243 Pullman \$192 Coach

4 SAGUENAY TOUR. 8 days. Cruise on Saguenay and St. Lawrence. Visit Montreal and Quebec. *Approx. \$179 Pullman \$134 Coach

5 ECONOMY JASPER-CANADIAN ROCKIES TOUR. 12 glorious days. American plan. Nothing to compare at the price! *Approx. \$258 Pullman \$198 Coach

6 ST. LAWRENCE-MARITIME-NEW ENGLAND TOUR. 10 days. Rail and steamer. Visit New England and Canada's Provinces-by-the-sea. *Approx. \$255 Pullman \$200 Coach

7 CANADIAN ROCKIES-ALBERTA-CENTRAL BRITISH COLUMBIA. 9 thrilling days. Combination rail-steamer tour. *Approx. \$189

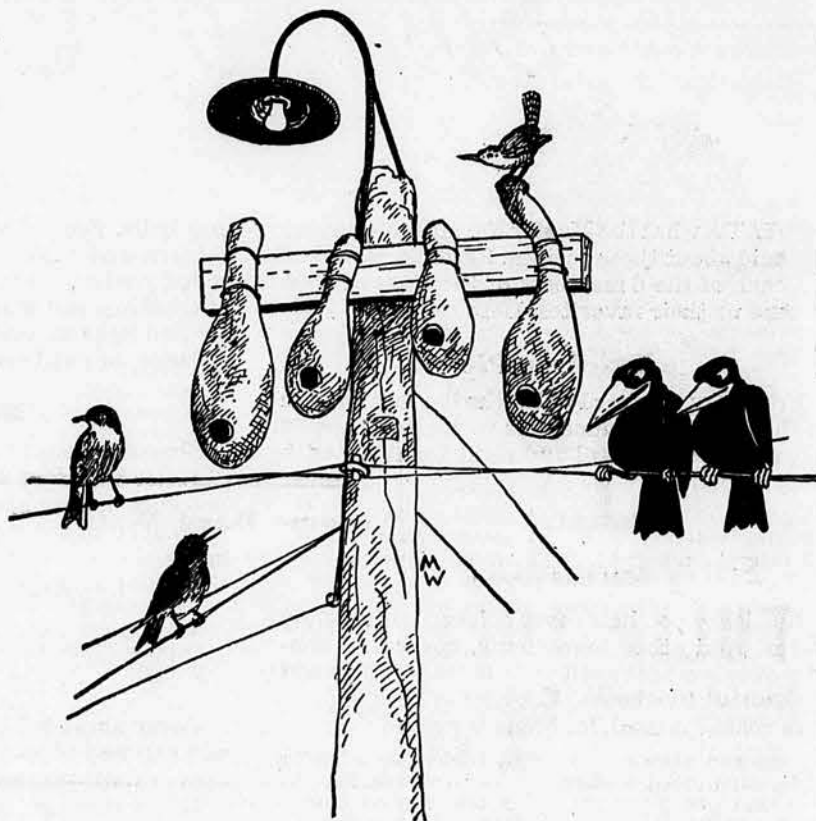
8 HOLIDAY IN THE SUB-ARCTIC. 9 days. America's last frontier North of '64. Special train for entire tour. *Approx. \$190

9 ALASKA HIGHWAY TOUR. 22 days. Explore famed Alaska Highway by "Pony Cruiser". Return leisurely on the Alaska steamer to Seattle. (Canadian Rockies stopover if desired.) *Approx. \$480 Pullman \$407 Coach

10 FOUR STAR PARKS TOUR. 13 days. Jasper, Banff, Waterton Lakes and Glacier National Parks. Breath-taking mountain scenery offered in one package tour. *Approx. \$299 Pullman \$242 Coach

*Round trip from Kansas City. U. S. transportation tax not included.

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J. H. Bell
101 West 11th Street
Kansas City 6, Missouri
or Your Local Agent!



Some birds nest in chimneys
And others in the trees;
But little wrens and bluebirds
Say, "Help us, if you please.
We like to nest within a gourd,
In which an entrance hole is bored."

—By Margaret Whittemore.



"When you get to Kansas City, go to the Phillips...a salesman always has to make a good impression!"

20 STORIES OF COMFORT
2-52 Rates from \$4.50

KIDNEYS MUST REMOVE EXCESS WASTE

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

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Beautiful for Miles Around!



Grows up to
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Bloomington, Illinois

Name.....
Address.....

My 2-Year-Old

We recently received this inquiry from a reader who is the mother of a 2-year-old. She asks, "How can I get my 2-year-old boy to willingly share his toys with other children when they play together?" —By a Reader.

Mrs. Davis replies as follows: You can't. He is too young to be generous. At 2 the child likes to play where other children are playing but he can't play co-operatively. He never gives up a toy to be "good" or "nice" or "generous." He hangs on to it like a small bulldog, or bangs the other child on the head with it, or gives it up in bewilderment and sucks his thumb for consolation.

When the 2-year-old bangs your best friend's child on the head, or if he persists in grabbing other children's toys, treat his acts of mayhem matter-of-factly, quietly remove him from his victim and get him interested in something else. Explain to the outraged mama of his victim that the 2-year-old hasn't much feeling for others. People serve the same purpose for him as do all other objects.

When he is older, somewhere around 3, you can help him share things by making a rewarding game out of sharing. In one short year, he will have learned to love and enjoy other children and will gradually become generous.

At 2 he isn't ready to learn generosity or to play co-operatively with other children. If you give his toys to someone else or force him to, he will think the whole world is made of ruthless highwaymen, conspiring to get his possessions away from him and he will respond with still more retaliation.

Alumni Banquet Playlet

For an alumni banquet program, we suggest our leaflet, "Ships on the Sea of Life." It includes program for an entire evening, menu, music and a playlet. This party is planned for the alumni to give the senior class. Write to Entertainment Editor, Kansas Farmer, Topeka. Price 5c each.

From My Poem?

Dear Editor: I read the poem, "Kansas Land" in Kansas Farmer, and wonder if it was taken from my poem, "Kansas Land," which was published in the Topeka Journal in the early twenties.

One verse was:

O, Kansas Land, we love your plains,
We love you though it seldom rains.
And when the crops on yonder hill
Are drying up we love you still.

It is the first time I've seen this poem.
—Mrs. N. M. McCartney, Smith Center.

Fun With Balloons

For a sure-fire, out-of-doors party for children, try a balloon party. Small fry always have fun with balloons, whether blowing them up or using them in a game. Write us for our leaflet, "Balloon Birthday Party." Write to Entertainment Editor, Kansas Farmer, Topeka. Send 3c.

Blame Hard Water

Most washday blues are caused by hard water. Cleaner, whiter clothes will result if you soften the water before adding the soap.

Washing soda or trisodium phosphate are the 2 most commonly used water softeners. By trying varying amounts you will learn how much is needed. Then add that amount and dissolve it completely before adding soap.

Bride's Blue Book

This leaflet will appeal to the bride-to-be and her mother. Information on the announcement of engagement, invitations, wedding dress, showers, parties, wedding reception, and many other things of interest, are included. Please send 5c for postage and handling charge, to Entertainment Editor, Kansas Farmer, Topeka.

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(KF-4-52)



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Portland 10, Oregon

SEE YOUR HARDWARE
DEALER THIS WEEK!





**"Colorado .44
sure gets my
vote in 1952!"**

...Says Roy Harmon, wheat farmer
of Johnson, Kansas

"Last year crop ravaging green bugs hit the wheat in our area pretty hard. When I noticed that the wheat crop which I'd planted earliest was infested with these destructive insects, I immediately called Frank Shaw, my local Colorado .44 dealer, and sprayer. He quickly sprayed the wheat field with Colorado .44 Parathion in the fall of 1950. Not only were the green bugs controlled, but they did not reappear in this field in the spring of 1951! It's small wonder, then, that Colorado .44 gets my vote in '52. Incidentally, I always spray for weeds and 'hoppers with other Colorado .44 products, too. Spraying with Colorado .44 saves money, saves time, and is essential to good farm management."

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What's your problem? Whatever it is, Colorado .44 has 160 products which will do the job fast and effectively. Write to our Technical Service Bureau. We'll be glad to help you get the right chemical to help you with any insect or weed problems.



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Elkhart.....Western Implement	Sharon Springs.....F. H. Dobbs
Garden City.....Kerr Implement	Sharon Springs.....Ostmeyer Implement
Goodland.....Davis Implement	Smith Center.....Pounds Implement
Great Bend.....Walter Sears Farm Store	Syracuse.....Syracuse Flying Service
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Sew for Summer



9068 SIZES 34-48



9287
SIZES
12-20



4832
SIZES
12-20



4740 SIZES 12-20-40

9068—Soft lines are slenderizing. Gathers just below shoulder and pockets are latest styling. Comes in sizes 34 to 48. Size 36 takes 4½ yards 39-inch material.

9287—A run-about dress covered up enough for town. Sew-easy and good in many fabrics. Comes in sizes 12 to 20. Size 16 takes 3¾ yards 35-inch fabric.

4832—Coverall, sundress, jumper, datedress and beach-coat. All in one pattern. Simple sewing and ironing. Comes in sizes 12 to 20. Size 16 takes 2½ yards 35-inch material.

4740—Sweetest dress ever with petal neckline and petal sleeves; also an easy to sew 4-gored skirt. Sizes 12 to 20 and size 40. Size 16 takes 3¾ yards 35-inch fabric.



9053
SIZES
34-48

9053—Sun-style dress has wide straps to flatter you, a little cape to button on for dressier wear. Sizes 34 to 48. Size 36 sundress and cape facing takes 5¼ yards 35-inch material. Cape, 1¼ yards contrast.

9200—Dress in 2 versions. One has scalloped neckline and cap sleeves. The other is cut out for sun-fun. Comes in sizes 2 to 10. Size 6 dress takes 2 yards 35-inch material.



9200 SIZES 2-10

Pattern Numbers	Size	Name
		Route
		Town
		State

Feeders' Day At KSC May 3

THE 39th Annual Livestock Feeders' Day will be held at Kansas State College, Saturday, May 3. Reports of livestock experiments for the year will include, among other things, the following:

1. Wintering steer calves, yearling steers, and heifer calves on alfalfa silage, brome grass, dry bluestem pasture, prairie hay, and sorgho silage.
2. Fattening western lambs on rations composed of sorghum grain and sorghum roughages.
3. Feeding antibiotics to fattening pigs in dry lot and on pasture.
4. Aureomycin for beef calves.
5. Physical balance studies in beef cattle rations and sheep rations.
6. Various treatments for controlling feed lot death losses of fattening lambs.
7. Use of hormones in an attempt to control breeding habits of ewes.
8. Phosphorus and calcium and trace

minerals in wintering rations of steer calves.

9. Burning bluestem pastures early, medium, late, and periodically.

10. Stocking rates for cattle on bluestem pastures.

11. Deferred and rotational grazing of bluestem pasture.

12. Rolled vs. ground grain for fattening calves.

13. Breeding methods in the improvement of purebred beef cattle.

Livestock used in these experiments will be available for inspection and comparison by visitors at Feeders' Day.

Guest speaker for Feeders' Day will be John L. Anderson, Secretary, Arkansas Valley Stock Feeders' Association, Las Animas, Colo. He will discuss, "Production Problems Affecting Meat Producers."

There will be special entertainment for lady visitors.

Coming Events

April 21—Miami county lamb and wool school, Paola fairgrounds.

April 21—Labette county Extension program tour for Extension Council and County Commissioners.

April 21—Thomas county, landscaping clinic with Charles Parks, KSC specialist.

April 21—Jefferson county tractor maintenance school with Anderson and Vanover, KSC specialists, Oskaloosa, 7:30 p. m.

April 21—Barton county tractor maintenance and machinery adjustment and fertilizer equipment, Great Bend city auditorium, 10 a. m. to 4 p. m.

April 21—Thomas county, landscape clinic with Charles Parks, KSC specialist.

April 21—Jefferson county, tractor maintenance school, Oskaloosa.

April 21—Morton county, record books and demonstration, Elkhart, Lyons Hall, with John Coolidge and John Hanna.

April 21-25—4-H camp workshop, Hutchinson.

April 22—Edwards county stag supper, Bill Bork, Hutchinson News Herald, is speaker, Congregational Church annex.

April 22—Sedgwick county meeting on fruits with W. G. Amstein, KSC specialist.

April 22—Sumner county clinics on fitting and showing for 4-H leaders.

April 22—Cloud county weed meeting, Concordia high school cafeteria, 2 p. m.

April 22—Labette county, Jersey Parish show, Altamont.

April 22—Smith county, plan 1953 home program with advisory council, with Velma G. Huston, KSC specialist.

April 22—Wichita county spring tea, Leoti grade school, Leoti.

April 22—Phillips county candle making school, units and 4-H leaders, Phillipsburg.

April 22-23—Osage county, health leaders H. D. training school, with Martha Brill, KSC home, health and sanitation specialist.

April 23—Jefferson county-wide 4-H foods leaders school, 2 p. m.

April 23—Washington county, egg quality school with M. E. Jackson, KSC specialist.

April 23—Smith county, district REA meeting.

April 23—Morton county, 4-H shop meeting in Morgan's Hardware, at Rolla.

April 23—Kingman county Jersey show, Kingman county fairgrounds.

April 23—Morton county, machinery adjustment and tractor maintenance. All-day meeting with Walter Selby and Russell Herpich.

April 23—Shawnee county, poultry meeting.

April 24—Sedgwick county, Wichita lamb and wool show.

April 24—Miami county, Ellen Batchelor training school.

April 24—Wichita county clothing school, high school, Leoti.

April 24—Smith county, home economics units spring tea.

April 24—Labette county sheep meeting for commercial sheep growers to discuss co-operative marketing of lambs, Altamont, Extension Service Office, 8 p. m.

April 25—Miami county, district Holstein show, Paola fairgrounds.

April 25—Roundup and feeders day, Hays.

April 25—Jefferson county tractor maintenance school, Modern Tractor and Implement Co., Valley Falls, 7:30 p. m.

April 25—Sumner county, Chisholm Trail Angus Association spring show, Caldwell, 10 a. m.

April 26—Jefferson county, Meriden, Grantville and Perry, 4-H home economics judging school, 2 p. m.

April 26—Osage county, 4-H Club feeder's day, B. N. Cooper farm, near Overbrook.

April 26—Dickinson county spring lamb and wool school and show, Abilene fair grounds.

April 26—Sumner county Hereford Association spring show, Caldwell, 9:30 a. m.

April 27-May 3—National Home Demonstration Week.

April 28—Jefferson county, 4-H junior leadership club meeting.

April 28—Barton county, clothing leaders training school, consumer education, Great Bend, 10 a. m. to 3 p. m.

April 28—Miami county, lesson on foundation garments, Mrs. Guy Ball.

April 28—Shawnee county, 5th county-wide 4-H party, Auburn grade school, Auburn, 7:30 p. m.

April 28—Ellsworth county, district Holstein show, Ellsworth.

April 28—Cloud county, Northwest district planning conference, Concordia.

April 28-29—Brown county, making best dress unit and 4-H training meeting, with Christine Wiggins, 10 a. m. to 3:30 p. m.

April 28-29—Kansas Association of FFA, Manhattan.

April 29—Morton county 4-H welding demonstration in county shops at Richfield, by Kansas Oxygen, Inc.

April 29—Osage county, sheep grower's meeting, Lyndon, court house, 8 p. m.

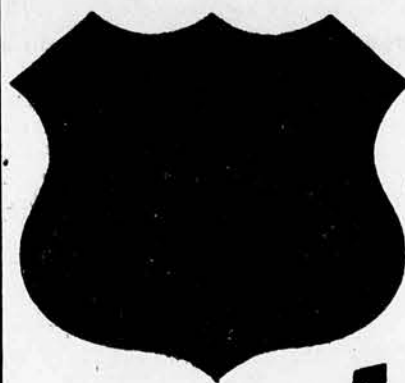
April 29—Dickinson county, Central Kansas Holstein spring show, Abilene.

April 29—Johnson county, vegetable demonstration tour with W. G. Amstein, KSC specialist, Olathe.

April 29—Johnson county, horticulture field visits with W. G. Amstein, KSC specialist.

April 28—Edwards county 4-H Council meeting, Kinsley courthouse basement.

April 29—Kiowa county, Farm Management Summary meeting, with Gladys Myers and John Smerchek, KSC specialists.



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Sorghum responds to nitrogen and other plant foods in much the same manner as corn. Both of these crops need lots of nitrogen. Tests show that your land gives up about 150 pounds of nitrogen for every 100 bushels of corn it produces. So it is important to keep putting nitrogen and other plant foods back into the soil if you want bigger yields.

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NITROGEN
21%

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Assorted Heavies, \$6.80. Reds, Barred, White Rocks, Hampshires, Australorps, Wyandottes, \$7.80, pullets, \$12.85. White Leghorns, Austra Whites, Minorcas, \$8.80; pullets, \$14.95. Leftovers, \$4.85. Assorted, \$3.95. Odds, \$2.95 as available FOB. COD 100% alive, latest price list. catalog. free. Bush Hatchery, Clinton, Mo.

Best Quality AAA and AAAA chicks. Fast broilers. Profitable layers. 100% pullover tested. New Hampshire red, White Rock, Barred Rock, Wyandottes, Production Reds, Austra-Whites, Large Type White Leghorns, \$9.95 per 100. Heavy cockerels, \$7.90. Pullets, \$14.95. Hybrid Cockerels, \$3.95. Leftovers, \$2.95. Free catalog. 100% alive. Pleasant View Hatchery, Gerald, Mo.

White Leghorns, Austra-Whites, White, Barred Rocks, Hampshires, Hamp-Whites, Wyandottes, Reds, \$8.95; pullets, \$12.95; heavies, \$6.85; mixed \$6.45; locker special, \$3.95; 100% alive F.O.B. as available. Hi-Grade Chicks, Deepwater, Mo.

DeForest Blueblood Chicks, broiler and egg breeds and crosses. Hatching year around. Broad-breasted Bronze, Beltsville White Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

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Superfine Chicks, eggs, Jersey Giants, Buff Minorcas, Silverlaced Wyandottes, Anconas, Buff Orpingtons, other leading breeds. Literature. Thomas Hatchery, Pleasanton, Kan.

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Superfine Golden Buff Minorcas. Chicks, eggs. Reduced prices. Bantam eggs. Literature. Thomas Hatchery, Pleasanton, Kan.

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Started Geese (Heavy, range-size Africans, Toulouse, Embdens, Chinas), Goslings—Eggs. Safe shipment anywhere! Magazine, bulletins explain profitable production, marketing. Peyton Farm, R2CK, Duluth, Minn.

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Farmers: Send for circular on our push button electric control, with the recirculating ball bearing screw, for combines, windrowers, plows and other implements. Hyatt Mfg. Co., Kimball, Nebr.

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Gigantic Surplus equipment sale. Amazing bargains. Savings to 70%. Farm engines, A-C generators, hay winches, telephones, air compressors, paint spray outfits, water pumps, electric saw-drills, welders, chain saws, battery chargers, binoculars, contour levels, many other items. Special, finest, farm telephones, \$12.40 each. Freight prepaid. Rush card, illustrated sale catalog. Burden Sales Company, 877 "O" Street, Lincoln, Nebr.

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Chinese Elm—World's fastest growing shade tree 8 feet high, large caliper with nice heads, 75c each; 6 feet, 50c each. Catalpa, hard and soft Maple, same price by express not prepaid (too large for parcel post). Minimum order, 4 trees, 10 trees or more 10c per tree less. Ideal Fruit Farm, Stilwell, Okla.

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50 Million Evergreen Trees for sale. Grow them for profit. Write: Evergreen Forest Products, Box 155, Wilmette, Ill., for circular.

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Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB.....\$12.00
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ALFALFA SWEET CLOVER
For Prompt Shipment
Tested and retested.

KANSAS ALFALFA	per bu. \$45.00
SOUTHWESTERN	per bu. 39.60
SWEET CLOVER—WHITE or YELLOW	per bu. 10.20

We carry a full line of Farm Seeds. Write for prices.
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Bourbon-Linn County Farms, 80 acres well improved, \$11,500; also 170 acres mostly modern, one half cultivation, price \$13,500, both on Hwy 69. 140 acres modern, good farm land, on Hwy 34, price \$14,500; also 320 acres, 200 acres pasture, 100 acres cultivation, improved \$16,000. Possession on all these farms. L. R. Turner, Realtor, Ft. Scott, Kan.

FARMS—MISCELLANEOUS

United Farm Agency's big free spring catalog of farm and country real estate bargains can help you plan soundly for your future security in the country. Good pictures, many states, easy terms, many equipped, growing crops included. For special service, state requirements, desired location. Write for your catalog today. It's free! United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

Strout's Two Spring Catalogs—World's largest, 52nd year. Farms, Homes, Businesses, 3646 bargains, East and Mid-West Green cover; West Coast edition Yellow. Either Free. Strout Realty, 20-V West 9th St., Kansas City 6, Mo.

Good Farms Are Cheap up here! Best in Northern Minnesota. Farms 40 to 400 acres. Write soon for our listings and complete information. J. "Tubby" Ortedahl, Realtor, Bemidji, Minn.

Good Land—160 improved, 120 prairie soil. Part time. Put in flax, none this crop next 6 months (1952). Pay all. Price \$6,500—Come here now. Guy Hoyt, Waubun, Minn.

155 Acre Farm, mile from Benson, other farms. Paul Moline, Benson, Minn.

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Save Chicken Feed! Don't feed the sparrows high priced chicken-feed. My homemade trap guaranteed to catch them by the dozens. Easy to make. Plans 10c and stamp. Sparrowman, 1715 Lane, Topeka, Kan.

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Fish Bait—Over 20 recipes and suggestions only 10c and stamp. Many favorable reports received. K. F. Fisherman, 1715 Lane, Topeka, Kan.

Boots and Shoes—Highgrade, fancy, handmade. Western style. Made to your measurement. Latest catalog. Crichton Boot Company, El Paso, Tex.

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized. Saves digging, pumping. Sample free. Solvex, Monticello 6, Ia.

Don't Feed Sparrows. Make your own trap and catch thousands. Write for details. Roy Vail, LaGrange 15, Ind.

May 3

Will Be Our Next Issue

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

Friday, April 25

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

AUCTIONEERS

HAROLD TONN

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



IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

AMERICAN POLLED HEREFORD ASSOCIATION will reserve the registration number 500,000 for the champion bull at the National Polled Hereford Show in Tulsa, Okla., October 29-31. Since registration of the original 11 Polled Herefords in 1900, the half-million registration mark represents a span of 51 years of Polled Hereford advancement.

I have a letter from John W. Barton, county agent of Cowley county. Mr. Barton tells me the COWLEY COUNTY ANNUAL SPRING HEREFORD ASSOCIATION SHOW will be held Saturday, April 26, starting at 10:30 A. M. at the Winfield fairgrounds. At the present time it looks as tho the show is going to be very successful. Entries are coming in earlier than usual. All Hereford breeders in this section should make plans now to attend this very interesting annual event.

JOSEPH F. BARTON, Mahaska, has a high grade Polled Shorthorn cow, sired by one of Polled Shorthorn bulls, Lord Lavender X1960542, owned by Clyde W. Miller, Mahaska. The cow is an unusually productive one, writes Mr. Miller—she has given birth to 2 single calves, 4 sets of twins, and one set of triplets. Triplets were weighed at 6 months of age and their combined weight was 1,800 pounds. Thirteen calves produced in 7 calvings all have lived and thrived. "Probably makes her record for fecundity and vitality unequalled," says Mr. Miller.

Clyde Hill Mercedes Hengerveld A1, registered Holstein-Friesian bull owned by GROVER G. MEYER, Basehor, has been honored as a "Silver Medal Type Sire" by Holstein-Friesian Association of America. This high award is based on his ability to transmit to daughters highly desirable characteristics of body conformation according to the ideal Holstein-Friesian score card.

Of 36 daughters, 28 have been classified for type by the association, and average score was 82.2 points. Among these daughters, one was classified "excellent," highest score possible.

On March 11, the O'BRYAN SPRING PRODUCTION HEREFORD SALE made an average of \$475 on 166 lots of horned and polled Herefords. A total of \$78,820 was realized from entire sale. Thirteen bulls averaged \$698; 153 females averaged \$456. Lot 1 A, ALF Mixer Return 8th, topped bull sale, at \$2,475; sold to J. L. Essley, Tulsa, Okla. In female section of auction, Lot 17, Wood Wyn Sue, selling with breeding privileges to any O'Bryan Ranch herd sire, topped auction at \$3,450; sold to Double E Ranch, Senatobia, Miss. Fulkerson and Watson sold the sale.

The SPRING HEREFORD BULL SALE held at Salina on April 9, was very successful in spite of very undesirable weather. A few females also were sold in this sale. One hundred and eighty head of registered Herefords were sold: 170 were bought by Kansas breeders. Ralph Smith, of Gordon, Neb., purchased the top-selling bull at \$1,450. Top-selling pen of heifers went to Jack Miller, Tescott, at \$600 each. Females were sold for an average of \$392 per head. Bulls in this auction averaged \$480. Entire 180 head made a general average of \$398. Sale was managed by Gene Sundgren, of Salina. Gene Watson and Bob Perry sold the sale.

One hundred and four POLLED HEREFORD RANGE BULLS brought a total of \$50,810 (making an average of \$488) at sale March 10 at Liberal. Half the bulls were not of serviceable age. Lot 52, ALF Mixer Return 25th, consigned by John M. Lewis & Sons, Larned, sold for top price at \$2,200 to Welch Bros., Garfield. Second top bull was Lot 6, LHF Grand Rollo 54th, consigned by Fred W. Lamb & Sons, Mackville, and selling to Will Nelson, Tracy, Minn., for \$1,625. Buyers and bidders were on hand to take this fine offering of range bulls from Kansas, Missouri, Minnesota, Oklahoma, Colorado, Alabama, New Mexico and Texas. Col. Freddie Chandler was auctioneer.

HALBERT & FAWCETT POLLED HEREFORD SALE, Miller, Mo., on March 10 averaged \$2,041 on 60 lots. Buyers from 12 states made it possible to sell 10 bulls for an average of \$4,232 and 50 females for an average of \$1,602. Service of the 1950 National Polled Hereford champion bull, Domestic Mischief 259th, was featured in this sale. Average made was the highest ever made in the state of the Hereford breed. Top bull at \$10,050 went to Walter Tenny, Grover, Colo. This was the 1st prize bull at the 1952 National Polled Hereford sale. Top female at \$3,175 went to Double E Ranch, Senatobia, Miss. This was a well bred offering, and average made indicates popularity of Polled Herefords selling that day.

In the ROGER AND REUBER Hereford auction held at Atwood, April 3, 49 head of cattle sold for \$28,200 to make a general average of \$576. The 24 bulls averaged \$650, and 25 females, \$504. Top bull was Hazard Rupert 7th, selling to Thompson Brothers, McCook, Neb., for \$1,550. Top female was Miss Battle Mischief 43rd, selling to Homestead Hereford Ranch, Levant, and Carl Duttlinger, Monument, for \$835. March 21 was original date set for this auction but due to 14 inches of snow and one of western Kansas' typical wind storms, it was impossible to hold the sale that date. We are sorry we were unable to attend this fine auction, but another year we have ordered sunshine and a good day for their next sale.

Weather or road conditions were not favorable for the RED POLL SALE of Kansas-Missouri and associated breeders from Nebraska and Iowa. With over 30 head selling, buyers had opportunities to make a good selection of either males or females. High-selling female lot was consigned by J. E. Loepke & Sons, Penalos. This good cow and her bull calf sold for \$570. The cow sold to Homer Allen, Wheeling, for \$460 and the bull calf to Morris H. Curtis, Salina, Utah. Two bulls sold for \$475 and \$480. The \$475 bull, 2nd top of bulls offered, was consigned by G. W. Locke, El Dorado, and purchased by Morris H. Curtis, Salina, Utah. Top

bull at \$460 was consigned by Dale E. Bush, Lincoln, Neb., and the purchaser was George Hubbard & Son, Bayard, Neb. Robert Sigrest, Arlington, was a buyer and Robert B. Hoferer, St. Marys, was a consignor and a buyer.

Many of the cattle should have carried more flesh to sell to best advantage. The thinner cattle sold under their value. The sale was held in Chillicothe, Mo., on March 18 with Bert Powell as auctioneer. Red Polls sold in this auction went to buyers from several states.

The MISSOURI POLLED SHORTHORN SALE, Chillicothe, April 10, made an average of \$372 on 37 bulls and \$379 on 22 females. Considering the large number of bulls and females sold under breeding age it was a very good average. Top bull, at \$1,000, was grand champion of show held previous to the sale. He was a 11-months-old son of Coronet Max Juggler, consigned by Lewis W. Thleman, Concordia. Buyer was V. E. Vansickle, Hurdland, Mo. A total of \$800 was paid for the high-selling female, consigned by Glen Frazier, Milan. This bred female was sired by King of the Vanities and bred to Hillcrest Max Juggler. Buyer was Rose Lake Farm, Slater, Mo. Several head went to Kansas buyers.

The MISSOURI STATE SHORTHORN SALE, April 2, at Chillicothe, was entitled to a higher average. It was one of the first days of the season you could work in the field and attendance was reduced. Top of sale was \$1,025, on champion female of show. She was consigned by Albert Dunham, Callao, Mo., and sold to R. G. Kyger, Stanberry, Mo. A total of \$750 was paid for the champion bull, consigned by Leroy Basher, King City, and sold to Aksarben Acres, Omaha, Neb. Alvin T. Warrington, Rich Hill, Mo., and formerly of Leoti, gave the 2nd high price for a bull when he paid \$720 for a yearling son of Goldfinder Cupbearer. Average on entire sale, with a number of young cattle selling, was about \$400 on 29 bulls and \$373 on 17 females. Kansas buyers made selections in this sale.

The CENTRAL KANSAS SHORTHORN SALE was held at Hutchinson, March 22. A severe snow and wind storm surrounded this territory on 3 sides, therefore about two thirds of the cataloged offering were sold. The 39 lots sold for a total of \$12,856, making a general average of \$330. Thirty-two bulls sold for an average of \$339 and 7 females \$289 per head average. These females were quite young and unfitted. Top bull of the auction was Lot 12, Ashio Jolly Roger, consigned by McElrath Bros., Kingman, selling to Harry Morris, Hugoton, for \$820. Top female was Lot 38, Lady Violet with heifer calf at foot. She was consigned by Love & Love, Partridge, and purchased by Pearl Hobbs, Arlington. Nearly all roads were blocked that day and the storm didn't subside until late afternoon. Pete Swaffar sold this offering.

LYNN SHULTZ, Pretty Prairie, for 6th consecutive year has qualified for Progressive Breeders' Award, of Holstein-Friesian Association of America. One of 7 Kansans to be recognized to date, the honor is highest recognition bestowed upon a breeder of registered Holstein-Friesian dairy cattle. Only 211 breeding establishments in the nation have been recognized with this honor. All phases of dairy work are checked—production, type improvement, herd health, progress in development of home-bred animals. Shultz herd has been tested for production in Herd Improvement Registry for 6 consecutive years. In last test, 16-cow herd averaged 440 pounds of butterfat and 12,425 pounds of milk in 319 days on 2 milkings daily. Mr. Shultz has received a certificate for his award, will be presented with a bronze year plate at a meeting of Holstein breeders from his area. The plate will be added to the bronze plaque awarded when this herd first achieved the honor.

Highest honor a HOLSTEIN-FRIESIAN SIRE can attain by Holstein-Friesian Association of America—Gold Medal Proven Sire—has been awarded 2 bulls owned by Kansans.

Pabst Burke Tritomia is owned by R. C. Beezley, Girard, and Regier Polkadot Triune Don, by Grover G. Meyer, Basehor.

Of 19 daughters of Pabst Burke Tritomia, 2 scored "very good," 2nd highest rating a Holstein can achieve. Production-wise, 11 daughters produced an average of 541 pounds of butterfat and 13,790 pounds of milk, as against 408 pounds butterfat and 10,600 pounds milk for their 10 tested dams.

Of 17 daughters of Regier Polkadot Triune Don, 6 scored "very good" in type classification. Average score for all classified daughters was 81.8. Ten daughters produced an average of 448 pounds butterfat and 12,310 pounds of milk, as against 384 pounds butterfat and 11,120 pounds milk for 10 tested dams.

On March 25 the U. S. CENTER ABERDEEN-ANGUS SALE at Smith Center drew a large crowd of breeders and buyers. Sixty-four head of Angus were sold for a total of \$34,725, making a general average of \$543. Fifteen bulls averaged \$632; 49 females averaged \$515. Don Good, Kansas State College, judged the show the morning of the sale. Show champion and top-selling bull was Lot 58, Palmetto Bandoller 7th, consigned by Julius Tillman, Smith Center, and sold to Ted Eberhardt, Burlington, Colo., for \$1,075. Mr. Tillman also purchased the reserve champion bull of this show, for \$875, Bell Boy Quality 22nd, consigned by Leonard Patman, Smith Center. Champion and top-selling female was from the consignment of G. W. and Ada C. Caldwell, Harlan. She was Lot 14, Revolution's Veta G.A.C. 7th, was purchased by Lester Ljungdahl, Laramie, Wyo., for \$1,050. Reserve champion also was purchased by Mr. Ljungdahl, for \$1,010, was consigned by Big Oak Stock Farm, Deters Bros., Cawker City. Col. Ham James conducted the auction.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$36.25	\$36.00	\$38.65
Hogs	17.60	17.75	21.60
Lambs	31.50	28.50	37.25
Hens, 4 to 5 lbs.	.23	.24	.35
Eggs, Standards	.32	.34	.43 1/2
Butterfat, No. 1	.67	.69	.80
Wheat, No. 2, Hard	2.53 1/4	2.56	2.46 1/2
Corn, No. 2, Yellow	1.94 1/2	1.97	1.75 1/2
Oats, No. 2, White	1.03 1/2	1.03 1/2	1.05 1/2
Barley, No. 2	1.44	1.48	1.46
Alfalfa, No. 1	35.00	35.00	38.00
Prairie, No. 1	26.00	26.00	17.50

SHEEP

MISSOURI HAMPSHIRE SHEEP BREEDERS' ASSN. RAM SALE

This sale will be held in connection with the Kansas Lamb and Wool School and will be at the Chamber of Commerce livestock sales pavilion at

South St. Joseph, Missouri

40 RAMS SELL ON May 8 -- 1 P. M.

Show morning of sale. Judge, Rollo E. Singleton, Jefferson City, Mo.

Sonsignors—Glen Armentrout & Son, Norborne; Eugene Busby, Maryville; B. B. Carter, Norborne; Clever Gibson, New Hampton; Lyman McPike, Philadelphia; J. R. Poague, Lincoln; Melvin Snell, Shelbyville; Milton Hubbard, Shelbyville; J. D. Schumacher & Son, Osborn; Tommie Teagarden, Butler; Mrs. Wilma Van Trump, Elmira; Henry Wilcox, New Franklin; J. T. Williams Jr., Hardin.

For sale catalog write Glen Armentrout, Sales Mgr., Norborne, Mo. Auctioneer: Bert Powell

KANSAS SHEEP ASSN. AUCTION SALE

Kansas City Stock Yards

Kansas City, Mo.

May 1, 1952

1:00 P. M.

60 selected and approved rams of all breeds offered at auction.

Write for catalog:

DON BELL, K. S. C. MANHATTAN, KANSAS

SUFFOLK RAM SALE

April 28, 1952

Sale at 1:00 P. M.

Hutchinson, Kansas

(State Fair Grounds)

Selling 50 Head of Yearling Rams averaging 200 pounds.

The large heavy boned, black faced sheep. We don't offer a lot of show records, but it pays to buy rams, Kansas raised from a Kansas breeder.

Catalog and information write owner:

HERMAN POPP, Haven, Kan.

Buy MISSOURI CORRIEDALES

at the Campbell Sales Pavilion

Chillicothe, Mo.

on April 28—1 P. M.

(Chillicothe is 75 miles east of St. Joseph, Mo., on 36 highway.)

60 EWES—40 RAMS SELLING, 38 yearling rams and 2 2-year-old rams. The champion and reserve champion ram of the 1951 Royal sell. Ewes selling are from yearlings to mature ewes. Several have lambs at side. A few open ewes and remainder are bred to select rams of the best breeding. These Corriedales are of very popular breeding. A choice lot selling in good breeding condition.

For sale catalog write quickly to

HAYNES BROTHERS

Kingston or Lawson, Missouri

SUFFOLK SHEEP

Booklet, list of breeders free.

Write National Suffolk Sheep Association, Box T Middleville, Mich.

HOGS

FLACH DUROCS

Fall Boars and Open Gilts by W. F. Promotor 2nd, for the best in Durocs come and see. J. H. FLACH, Paxico, Kansas

Duroc Boars and Gilts

Leading bloodlines. Excellent color. Firm fleshed, good doers, vaccinated, registered. Phone 25F12. C. E. Molder—G. M. Shepherd, Lyons, Kansas

HAVEN HOLLOW FARM DUROCS Fall boars and open gilts. By Stylish Wonder and Fleet. Some of the best we've ever raised. Come see them or write. G. F. Germann & Son, Manhattan, Kansas

Reg. OIC Bred Gilts Chester Peterson Osage City, Kan.

POLAND CHINA FALL BOARS

Choice individuals, sired by the Aristocrat and Advancer. Priced reasonable. Write BAUER BROS., Gladstone, Nebraska

SPOTTED POLAND CHINA Fall Boars and Fall Gilts of popular bloodlines. Vaccinated and registered. EARL J. FIESER, Norwich, Kansas

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Standard Equipment
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American Farms!

Save and Make You Money!

The years of long-lasting service built into COLUMBIAN Stock Tanks mean lower cost to you... and these famous tanks make it easier to keep livestock in better condition.

STRONGER—Fabricated with special precision machinery from finest grade galvanized steel. Heavy triple swedges and deep verticle swedges for increased sturdiness. Upright seams in side walls are sweat-soldered. **WATERTIGHT**—bottom and side walls are joined into a four-ply seam which is blown full of molten solder by an exclusive Columbian process which completely seals tank against leaking.

SEE YOUR DEALER—Ask him to show you these better-built stock tanks. Buy the size you need for years of low-cost service.

Ask your dealer about the new and improved COLUMBIAN Red Top Grain Bins with many exclusive features that give you more for your money from top to bottom.

Note above how top rim of tank is reinforced by heavy, hot dipped galvanized split tube—permanently anchored to top of tank—impossible to remove—a smooth rounded top edge that cannot injure stock—withstanding all strain of pushing, crowding.



RANCHERS - FARMERS HOL-DEM ELECTRIC FENCERS

HOLD STOCK
WHERE OTHERS
FAIL!



KILLS WEEDS ON CONTACT!
FAMOUS HOL-DEM FENCERS are guaranteed to hold all your stock, even on driest ground. Hol-Dem delivers the wallop in all soil and weather conditions—controls stock the year 'round on thousands of farms. "Weed Kutter" feature kills weeds on contact!

5 YEAR GUARANTEE!
Satisfaction or your money back. Write for FREE folder with prices on Hi-Line and Battery operated units. Save money, work and time...order today!

DEALERS WANTED
HOL-DEM FENCER CO.
205 EAST GRANT ST.
SHENANDOAH, IOWA



Model 43
115 Volt A.C.
Only... \$27.75

EASIER BALE HANDLING



FARMHAND LOADER, and Hay Basket, sweeps and loads 10 to 12 bales at a time. Stacks over 20 feet high. Cuts your costs. Fits all tractors. Write Dept. 45, THE FARMHAND CO., Hopkins, Minn.

Farmhand
First in farm materials-handling

Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.



OUTSIDE SNOW WHITE PAINT

TITANIUM, LEAD & OIL \$4.95 Value— \$2.25 GAL.
A Paint you can depend on not to peel, rub, wash off or turn yellow—sold on a money-back guarantee. in 5 Gal. Cans
Over million gallons sold! Excellent coverage for brick, wood, concrete and cinder block. Sample can... 50c.
Shipped in 5-Gal. Cans only, F.O.B.
SNOW WHITE PAINT CO. 1127 West Division
Chicago, Ill.

Sheep Breeders Celebrate

(Continued from Page 1)

On May 12, the association will hold its 6th annual Purebred Ram Show and Sale on the State Fair grounds, Hutchinson. Annual meeting of the association will be at 1 o'clock; judging and placing of entries at 3 o'clock, and the auction sale at 7 o'clock in the evening. The Hutchinson Chamber of Commerce is contributing premium money for all association sales which are held at Hutchinson.

As a special feature of the May 12 event, awards for the 1951 Lamb Production Contest will be made just before start of the sale. This contest is sponsored by the agricultural department of the Kansas City Chamber of Commerce, with the co-operation of Kansas State College and Kansas Livestock Association.

Will Receive Awards

Those who will receive bronze and walnut plaques as winners in the contest will be: Wayne E. Curry, Goodland; J. C. Curry, Goodland; Eldo Steel, Halstead; Don Grant, Ellinwood; Ralph Samp, McCune; L. D. Morgan, Goodland; and Floyd Pickett, Goodland. Winner of the sweepstakes prize, a silver trophy, will be announced when other awards are made.

Association members have made every effort to insure that only the best rams available are added to Kansas flocks. Many top-selling rams in other state sales have been purchased by Kansas breeders and are now in Kansas flocks.

Entries for the association's purebred ewe sale each November and ram sale each May are carefully selected and represent tops out of the best flocks in Kansas. An inspection committee, composed of representatives of the various breeds, personally calls on all consignors to ram sales and inspects each ram offered.

Must Be Good Quality

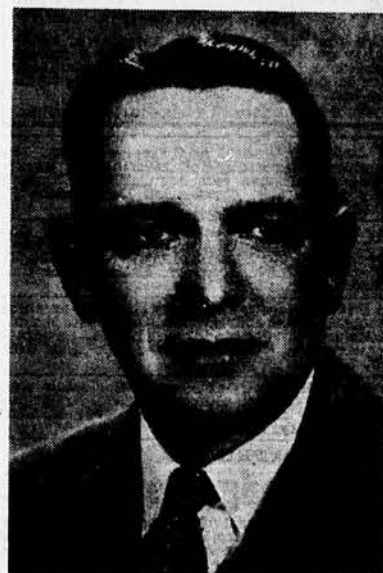
Rams are examined for such defects as overshot or undershot mouths, cryptorchidism, scours, or black fiber in the fleece. Rams offered for sale must be shorn closely, not earlier than March 1, so a careful and accurate appraisal can be made of their conformation.

Only ram free from defects and excellent in type and conformation are accepted for final entry in sales. In the first years, only one out of every 3 rams offered for inspection was passed for entry in the sale.

Some 300 rams were nominated for the 2 sales this year and about 200 will be accepted. Demand for rams has exceeded supply at the state sales the last 2 or 3 years.

All prospective ram buyers at any sale should ask themselves these questions, association members believe:

1. How well do you know the breeder selling the rams?
2. What is his reputation among breeders and sheepmen in his own state, as well as in Kansas?
3. What is the source of his rams? Are they all from his own flock or has he purchased them from other breeders?
4. Is there any danger of bringing in disease?
5. Am I getting as good a ram at as



VICE-PRESIDENT of the Kansas Purebred Sheep Breeder's Association is L. G. "Tommy" Wilson, Miami county. He had charge of placing sheep entries at recent "Little American Royal," on Kansas State College campus.

cheap a price as I could get from some of the breeders here in Kansas?

It should be pointed out, association members say, that the so-called "ram trader," who has a lot more rams to sell than he raises, may have obtained rams of fairly good appearance from rather mediocre flocks, and these rams may look a lot better than they will breed.

In addition to its important ram and ewe sales each year, the Kansas Purebred Sheep Breeder's Association has strongly supported the Kansas State College Extension program of lamb and wool schools, its ewe purchase program and college research program, particularly as it applies to sheep. The association has committees working on special awards for Kansas State Fair, and for awards to junior exhibitors as a means of encouraging their greater interest in the sheep industry.

Most Major Breeds Represented

At present the association consists of nearly 200 members representing most major breeds, including Hampshire, Shropshire, Southdown, Suffolk, Dorset, Rambouillet, Corriedale and Cheviot. W. A. Lytle, Wellsville, is president, L. G. Wilson, Louisburg, is vice-president, and T. Donald Bell, Kansas State College, is secretary-treasurer. Directors are: Waldo Poovey, Westphalia; Virgil McClure, Newton; I. J. Worthington, Bluff City; Erhart Tonn, Haven; Sylvester Martin, Mt. Hope; D. D. Smith, Macksville; Will Condell, El Dorado.

Three men were instrumental in originating the association. They are Henry Bock, of Wichita; Waldo Poovey, of Westphalia, and Dr. Rufus Cox, head of Kansas State College animal husbandry staff. These men called the organization meeting on March 27, 1946, which was attended by about 50 breeders representing 3 breeds. The association has been growing ever since.

Weed Battle Progress Reported in Kansas

NEW CHEMICALS for weed control and reduction of noxious weed seeds in feed grains in the state indicate progress being made in Kansas, in the battle on weeds. Discussion of new chemicals leads to complex names and formulas.

One of newest, 3-(p-chlorophenyl)-1,1-dimethylurea, coming out commercially as CMU, was tested internationally last year. It will be available this year as a soil sterilant recommended only for industrial use, its sterile effects lasting a year or more. Further tests promise to give it many other uses, too, explains Dr. Vernon J. Fisher, DuPont researchist stationed at Kansas State College.

CMU's value in controlling weeds in corn, asparagus, carrots, sugar cane, cotton and possibly others is being studied. Its value in controlling weeds in irrigation canals may also prove a boon to our irrigated southwest. Its affects

are still being studied. J. W. Zahnley, Kansas State College agronomist, also likes the non-poisonous, non-corrosive and non-burning features of CMU.

Chloro-IPC, another newcomer, is showing promise in weed control in cotton, soybeans and peanuts, Doctor Fisher says. It is still to be tested in Kansas. Maleic hydrazide for inhibiting potato and onion sprouting in storage, prolonging full bloom of flowers and weed control in cotton is being studied. It may make possible selective killing of wild oats in wheat, oats, barley and flax when the weeds merge ahead of crop.

2,4-Dichlorophenoxyethyl sulfate has been approved commercially for weed control in strawberries, and for experimental work in field and sweet corn as well as sugar cane and asparagus. It apparently is non-toxic to established foliage and toxic to new seedlings.

(Continued on Page 59)

MEYER Bale Loader
SAVE MANPOWER
THIS LOW COST WAY



Better than two hand loaders! Loads 15 bales in 15 minutes, picks them up just as dropped and straightens them automatically. Saves extra labor. Saves your bales. No strain or breakage pulling skids or wagons! Ground drive, light draft, easily hitched. Two models - bale deck heights 6'9" and 10'9".

Free! Write for descriptive literature and name of nearest dealer.

MEYER MFG. CO. BOX 851 MORTON, ILL.
MAKERS OF FAMOUS MEYER ELEVATORS

EASY ROLL WIRE WINDER



- Rolls or unrolls wire.
- 80 rods in 3 minutes.
- Only one reel required.
- Write for full details.

WIRE WINDER MFG. CO., Mendota 5, Ill.

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Mention
KANSAS FARMER

WELL
What do ya
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TWINS

DODSON HAYKEEPER-AND SILO

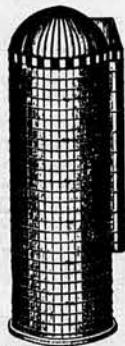
Only \$38

Delivers
Balance from
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The New
Dodson self-
feeding hay-
keeper is the
easiest way to
feed cattle. You
can save all the
leaves and make
your feed pro-
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**SAVE ALL
YOU RAISE**

Use of Dodson
silo and hay-
keeper will put
on more beef or
butterfat than
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Send This Coupon Today To
DODSON MFG. CO.

DODSONS, 1463 Barwise, Wichita, Kansas, or
First and Cedar, Concordia, Kansas.

Send me literature on Haykeeper ☐ Silos ☐
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cial leaflet on grass silage ☐

NAME _____

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CITY _____

Professor Zahnley praises sodium pentaborate for promise in irrigation canal weed control, with additional advantages of economy, rendering weeds unpalatable to livestock, and fire resistance. An 8-foot experimental strip was sprayed 24 hours before burning and the fire was stopped to the line where the spray was applied, the agronomist says. TCA, also a powerful soil sterilant, is giving pretty good Johnson grass control.

Can Assure Results

Actions of herbicides are not fully known, but 2,4-D and 2,4,5-T with a history of 10 years in use now can assure definite results, the research men said. And that field is just opening up.

Control experts stress the place of clean cultivation with 2,4-D used only when the soil is too wet to cultivate, when erosion is a problem, and labor a limiting factor. The airplane, ground sprayers, hand sprayers, grazing, mowing and, in woody plant eradication, the bulldozer and the ax, all have their place in weed control.

New sprays bring new equipment problems, G. E. Fairbanks, Kansas State College, says. Trends are toward more farmers owning their equipment, more trailer-mounted equipment, and an increased demand for custom work where labor is short. New high velocity air mist sprayers using fewer gallons of spray and the one-man operation saving labor are gaining popularity. Later sprayings with tractor stilt, also used for detasseling and other uses, are entering spray programs. Broad area sprays are gaining value with more uses for them being developed. Problems of nozzle clogging, hose deterioration and pump effectiveness are being taken care of by proper care of equipment.

Keep Out Weed Seed

State Board of Agriculture's Vernon Woestemeyer, state weed supervisor, says a lower percentage of noxious weed infested grains reached Kansas ports of entry than in past years. Of 4,100 loads, 279 were infested, last year. Outside inspection of loads for shipment to Kansas showed 1,588 cars, out of 3,547 loads inspected, were diverted before they reached Kansas. Inspections in-state are also made.

New Honor for A. D. Weber



Dr. A. D. Weber

Highest honor of American Society of Animal Production, 1952 Honor Guest, has been conferred on Dr. A. D. "Dad" Weber, associate dean of agriculture at Kansas State College, and associate director of Kansas Agricultural Experiment Station.


An oil portrait of Doctor Weber will be hung in the Saddle and Sirloin Club in Chicago. R. I. Throckmorton, dean of agriculture, said Doctor Weber has an enviable record as a scientist in the field of animal nutrition, as a livestock judge, as a practical livestock man and as an administrator. The Society of Animal Production cited his contributions to the field of animal husbandry as a teacher, research worker, stock judge and administrator.

Bee Trick

Bees can be robbed easily if the lid is carefully pried off super of hive in the evening. Cool night air causes bees to go to lower box, thus leaving super without bees. Super should be removed early next morning, while bees are still cold and stiff.—R. A. B.

Gives Chicks Faster GROWTH Even With Vitamin B₁₂ and Antibiotics In The Feed AND PREVENTS Coccidiosis

DR. SALSBUARY'S
Ren-O-Sal
With
G.S. (Growth Stimulation) FACTOR



**Profit-Proved By
Thousands of
Poultry Raisers**
"We start our baby chicks on REN-O-SAL to give them faster growth and that added boost which young birds need so badly. It also guards them against coccidiosis. We wouldn't be without REN-O-SAL."
Mr. & Mrs. E. H. Brauer
RFD, Syracuse, Missouri

The Preferred Drinking Water Medicine In Easy-To-Use Tablet Form

REN-O-SAL helps chicks gain weight 15% faster as proved by tests with 90,000 chickens. Chickens mature quicker at heavier weights. They start laying up to 15 days earlier, and have sufficient weight to help them through the laying season. Additional tests show that REN-O-SAL produces faster gains even with Vitamin B₁₂ and Antibiotics in the feed.

PREVENTS CECAL COCCIDIOSIS—When dosage is increased, REN-O-SAL

prevents the spread of cecal coccidiosis in chickens. Reduces stunting and weight losses.

REN-O-SAL has given extra profits to thousands of successful poultry raisers from coast-to-coast. You can increase your profits, too, with REN-O-SAL tablets in the drinking water...or REN-O-SAL powder in the feed. Buy Dr. Salsbury's REN-O-SAL at your hatchery, drug or feed store.

When you need poultry
medicines, ask for

Dr.

SALSBUARY'S

DR. SALSBUARY'S LABORATORIES • Charles City, Iowa

Helps **MAKE** Listless or Convalescent
Hens Profitable



Gives convalescent or listless birds new life. Helps normal birds do better. Supplies daily minimum requirements, or more, of copper, cobalt, iodine, manganese, zinc: all necessary for proper feed utilization and growth. Used in feed. Buy at hatchery, drug or feed store, today. Dr. Salsbury's Laboratories, Charles City, Iowa.

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Avi-Tab
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UNITED STATES SAVINGS BONDS
are still **THE BEST BUY**

STOP CROP LOSSES!
SAVES TIME - SAVES LABOR



**Multi-Crop
WINROWER**

Windrows grain and hay crops in one operation. Does two machines' work in half the time. Left or right, 8' or 10' cut. Light draft. Built-in transport. Built to last.

WRITE FOR
FREE FOLDER
TODAY!

**WIN-
POWER**
NEWTON, IOWA

A SPRING TONIC
FOR YOUR SPRAY RIG!



Flush Rig Before Using with
NUTRA-SOL
and Note the Difference.

1 lb. can (75c) cleans
100-300 Gallon Rig
Will Remove
2,4-D, etc.

Write for nearest dealer
or send \$1.00 to cover mailing costs to
HARANG ENGINEERING CO.,
840 Lake Street, San Francisco 18, Calif.

"GOOD BREEDING PAYS"

"The Golden Cross" Production Sale of REGISTERED ABERDEEN-ANGUS to be held Thursday, May 1, 1952



8 Sons of Prince Sunbeam 118th — 50 Registered Females
50 Commercial Heifers

108 HEAD

We are featuring the Get and Service of Prince Sunbeam 118th, Prince 29th G. A. C., a Golden Cross bull, son of the great 29th and Prince G. A. C., the Kansas state champion. Our uniform offering of well bred females, not highly fitted, will include many Golden Cross daughters of Prince Sunbeam 118th. Stop by and see this select offering. You are welcome always. Plan to be with us sale day.

The sale is to be held at the ranch, 11 miles south and 1 mile east of

Smith Center, Kansas

on Highways 9 and 281

G. W. and ADA C. CALDWELL, Harlan, Kansas

Burl Godsey, Herdsman

Hamilton James, Auctioneer

Mike Wilson for Kansas Farmer

POLLED HEREFORD SALE

May 19

1952

Hays, Kan.

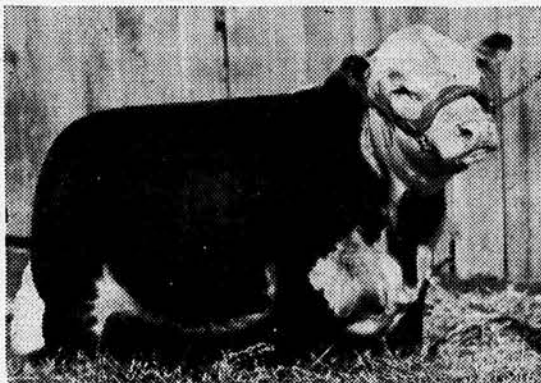
at ranch 3 miles west,
2 miles north of Hays.

SELLING

50 HEAD

20 Bulls and

30 Females



Captain Domino 7th, a full sister selling.

Selling top sons and daughters of Captain Plato 8th, Real Plato Domino 26th, Beau Domino 1st, Real Plato 8th, and A. L. F. Beau Mixer 8th, son of A. L. F. Pawnee Mixer 21st.

With the exception of several heifers bred to Col. R. P. D. all the heifers will be open. The bulls are of serviceable age and top herd bull prospects. Colonel R. P. D. son of Real Plato Domino Jr., the Kerbs herd sire, was champion and top-selling bull of the 1951 Kansas Polled Hereford Show and Sale. We had one of the top sales in Kansas in 1951, and the cattle are of higher quality than last years offering. The offering consists almost entirely of 1951 calves of top quality. Nearly all the cattle selling are out of polled sires and polled dams. They are smooth headed and not a scur in the entire offering.

JOHN N. LUFT, LaCrosse, Kan., a guest consignor.

For catalogs write: VIC ROTH, Owner, Box 702, Hays, Kansas
Freddie Chandler, Auctioneer Mike Wilson for Kansas Farmer

8-year experiment shows

Angus calves average

66 LBS. MORE AT WEANING

In 8 continuous years of comparison by a leading state university between two major beef breeds involving 374 calves . . . ANGUS purebred calves outweighed purebred calves of the other breed by 66 lbs. average at weaning time. Since all calves were fed and handled the same, this accurate experiment proves: "Angus calves grow faster!" Be ahead! Buy Blacks! Wean bigger calves!

American Aberdeen-Angus Breeders' Ass'n
Chicago 9, Illinois

Featuring these top herd sires.

CK CRUSTY 70TH

bred by CK Ranch, Brookville, half-brother to 1951 American Royal Champion.

CK ROYAL DUKE 3RD

bred by CK Ranch

P. ROYAL DUKE 7TH

bred by Parcel Herefords, Coldwater, grand champion bull at the 1948 Kansas State Sale. A number of his heifers are being retained in the herd.

Visitors are welcome to see the Get and Service of these bulls.

STRAIGHT CREEK FARMS, Whiting, Kan.
JOHN W. SPENCER, Owner

Poultry "Firsts"

First Poultry Investigational work in the United States was conducted at Maine Agricultural Experiment Station in 1885.

First Egg-laying Contests were started in the United States in 1911. International Egg-laying Contest was started at Mountain Grove Poultry Experiment Station, Mo.

Broiler Business started at Ham-monton, N. J., about 1880-1885, according to Encyclopaedia Britannica.

Domesticated Fowl first spread eastward and northward from Southeastern India, about 1400 B. C., reaching China, then Japan.

First Introduction of domesticated fowl to Europe was about 320 B. C., from Persia. It is believed fowl were carried to Britain by the Phoenicians, about 55 B. C. From Europe, fowl were carried to colonies of New World.

Fowls First Brought to America were Leghorns (from Italy), Indian Games, and English derivatives of Mediterranean breeds—such as Dorkings and Scotch Grays, from which came our Plymouth Rocks.

Buff Cochins, source of all uniformly buff fowls the world over, were cultivated in China more than 1,500 years ago.

Origin of Artificial hatching of eggs is believed to be in Egypt (in 12th century) and in China. Large, special houses were built so men could go in and care for eggs.

Barred Plymouth Rock poultry originated in the 1860's in New England.

Leghorns had their early homes in southern Europe, along the Mediterranean Sea.

Rhode Island Red poultry had their origin in Southern New England in 19th century. In 1902, Single Comb Rhode Island Reds were admitted to U. S. Standard of Perfection, and Rose Comb variety in 1906.

Pekin Ducks were imported to United States from China in 1873.

Emmden Geese were originated by the North Germans, especially those living in or near the province of Westphalia.

Toulouse Geese are an old French breed; derived their name from city of Toulouse, France.

Sebastapool Geese were imported to United States as early as 1860. They are natives of Eastern Europe and Western Asia and the Black Sea.

Guinea Fowls were first found in Africa. Are said to have been raised centuries ago by Greeks and Romans as table poultry. Were brought to West Indies, then to United States.

Ring-neck Pheasants were common pheasant of China when brought to U. S. and introduced into Oregon in 1884.

A Kansas Rooster is movie screen trade-mark for Warner Brothers Pathe News, writes Jim Reed in the Topeka, Kan., Daily Capital.

First Trap Nest for poultry is believed to be plant patented in 1854—after that, many such patents were issued.

First Practical and Economical pelleting of poultry feeds was done at plant of Albers Milling Company in Los Angeles, Calif., "on our first California Pellet Mill in 1931," states California Pellet Mill Co., San Francisco.

First Poultry Historical Society in America has been formed. At recent 104th Boston Poultry Show, 12 industry leaders met and founded American Poultry Historical Society.

First Chicken Raiser, one legend claims, was Fu Hsi, a Chinese emperor, who lived from 3341 to 3227 B. C. Historians agree they were raised in Asia many centuries before their development in Europe.

First Big National Move to assist poultry industry leaders in a program to improve meat-type chickens was National Chicken-of-Tomorrow Contest, first started in 1946, and sponsored by A & P Food Stores.

Dual-Purpose CATTLE

"HARTMOOR DAIRY"

REDUCTION SALE

OF

MILKING SHORTHORNS

Monday, April 28, 1952

1:00 P. M.

At the Sales Pavilion, Wichita Stockyards,

WICHITA, KANSAS

(East of Broadway on 21st St.)

OWNER

W. L. HARTMAN

WICHITA, KANSAS

14 Cows — 3 Open Heifers

10 Bred Heifers — 4 Bulls

Eleven of the 14 cows have qualified for the R.M. Heifers are sired by the 2 outstanding herd sires included in the sale.

SPECIAL

The 2 outstanding herd sires and show winners that will be sold are RETNUH SYLVAN'S EMBLEM 45TH, grand champ at State Fair 1949 and RETNUH WHITE ROYAL, grand champ at American Royal 1951.

This is a sale of quality animals that you should attend.

For catalog write

C. O. HEIDEBRECHT, Sale Mgr.

Inman, Kansas

Auctioneer: Gus Heidebrecht

Pedigrees: Joe Hunter

MILKING SHORTHORNS

3 Young Bulls for sale. Write or better come see them. A. F. SCHENDEL, Ottawa, Kan., Rt. 2

Dairy CATTLE

The Outstanding JERSEY SALE of the Southwest

Sale at Ozark Empire Coliseum—Fairgrounds

Springfield, Mo.

Saturday, May 3

Selling 50 Head of the Breeds Finest in the

SECOND ANNUAL HYER'S QUALITY CLASSIC

Consignments from 8 states including 14 grand tops from the School of the Ozarks. Headliners include an "Excellent" Medal of Merit from Texas, a 5-year-old that has actual records of 879, 776, 613 fat. By a 619 lbs. fat average senior superior sire. Two great "Excellent" by the one and only Sparkling Lavender Jest.

Sale under the management of Chester Folck & Sons

For sale catalog write to

JOHN FAWCETT

School of the Ozarks, Point Lookout, Mo.

AYRSHIRE STATE CONSIGNMENT SALE

April 25, 1952

12:00 Noon

El Dorado, Kan.

Young springing and fresh cows—bred heifers — heifer calves, some suitable for 4-H. A few choice bulls.

Sale sponsored by

Mid-Kansas Ayrshire Club

This sale offers opportunity for Dairymen needing more milk production or interest in starting a registered herd or for established breeder.

Cattle all on display day before sale. Sale in comfortable 4-H Club building.

For information and catalogs write

DWIGHT E. HULL, El Dorado, Kan.

Aucts.: Mike Wilson and Walter Hand

LOCUST LEA AYRSHIRES

The most discriminating buyers can make selections from our herd at the present time. If you are looking for a herd sire, most any age you will find it here with preferred pedigrees and out of dams with high records. When you are in the market for Ayrshire breeding stock, don't fail to pay us a visit.

LOCUST LEA FARMS

Mr. and Mrs. John C. Kras

HERDSMAN WANTED

We are in need of a good cow man, by May 1 to take charge of a top registered Holstein herd, 596-lb. herd average last year. Must know feeding, breeding, and preferably a Graham School graduate. Modern home, new 24-cow barn. No field work. State experience.

E. A. DAWDY

Salina, Kansas, Route 2

Dairy CATTLE

HIGHER VIEW DAIRY FARM HOLSTEINS

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

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

Beef CATTLE

FOR SALE

POLLED BULLS & HEIFERS

10 to 12 months old, sired by P.F.V. Advance-more 8th, a 3/4 brother to the 1951 Fort Worth grand champion bull.

GEORGE L. RIFFEL & SON
Hope, Kansas Phone 1404 Woodbine

REGISTERED

POLLED HEREFORDS

Bulls and Heifers. Nine to 15 months old. Sired by A.L.F. Beau Rollo 47th and Paul's Real Mischief 2nd.

GRAND VIEW STOCK FARM
Polled Herefords Since 1908
O. J. Shields, (Marion Co.) Lost Springs, Ks.

REG. POLLED HEREFORDS

Offering neat headed bull calves.
HARRY ARKELL, Milford, Kan.

REG. HEREFORD BULLS

10 to 18 months old. Sired by: OJR Jupiter Star 12th, Domino Lad KTO 11th and F. Elation 22. Top range and herd bull prospects.
WAITE BROS., Winfield, Kansas

Sunflower Farms ANGUS

Herd Sires:
Ever Prince Revolution 2nd
Homeplace Eileenmere 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

Now Offering 3 REG. BULLS

One 17 months.
Two 14 months old.
Four heifers breeding age by grandson of Black Prince of Sunbeam.
See them soon.

McQuillan Angus Farm
Farm 1 mile north, 1/4 mile east of CLEARWATER, KANSAS

FOR SALE 20 CHOICE REGISTERED Angus Bulls

Coming 2 years old. Rugged, thick and plenty of scale. Raised together. Inspection invited.
L. E. LAFLIN, Crab Orchard, Nebr.

REG. ABERDEEN-ANGUS BULLS

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All ages. — Priced to sell.
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Public Sales of Livestock

Aberdeen-Angus Cattle

April 21—Ergison, Thalman and Davis Production Sale, Hutchinson, Kan.
April 22—Northeast Kansas, Hiawatha, Kan. Harry Dandliker, Secretary, Hiawatha.
May 1—G. W. & Ada C. Caldwell, Harlan, Kan.
May 13—Marycrest Farm, Maloy, Ia. J. B. McCorkle, Sales Manager, 3500 A.I.U. Bldg., Columbus, O.
May 19—Red Oak Farms, Rocky Comfort, Mo. J. B. McCorkle, Sales Manager, 3500 A.I.U. Bldg., Columbus, O.

Ayrshire Cattle

April 25—Mid-Kansas Ayrshire Sale, El Dorado, Kan. Dwight E. Hull, Sale Manager, El Dorado, Kan.

Guernsey cattle

April 19—Promotional Female Sale, Erie, Kan. C. J. Graber, Sale Manager, Newton, Kan.

Hereford Cattle

April 24—Humeston Hereford, Humeston, Ia. Donald J. Bowman, Sale Manager, Hamilton, Mo.
April 30—4-Square Sale, Oakley, Kan. John Nickel, Sale Manager, Levant, Kan.
April 30—The Heart of Hereford, Reg. Hereford Consignment Sale, New Ford Owens Sale Pavilion, Belton, Mo.
April 30—Harvey M. Booth Hereford Dispersal, Baldwin, Kan. Sale at Ottawa, Kan.
September 5—Lull Hereford Farms, Smith Center, Kan.
October 6—Hiland Stock Farms, Superior, Nebr. Melvin Schiermeyer, Owner.
October 6—Beeks-Cleland, Baldwin, Kan.
October 9—Jim Riffel, Junction City, Kan.
October 11—CK Ranch, Brookville, Kan.
October 27—John W. Spencer, Straight Creek Farms, Whiting, Kan. Sale at Marysville, Kan.
October 30—Flint Hills Association, Cottonwood Falls, Kan.
November 6—Lincoln County, Sylvan Grove, Kan.
November 11—Tonn & Fishburn, Haven, Kan.
November 24—Sumner County Hereford Breeders' Association Sale, Wellington, Kan. Paul M. Philippi, Secretary-Treasurer, Argonia, Kan.

Holstein Cattle

May 15—Central Kansas Breeders Spring Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.
May 23—East Central Kansas Holstein Sale, Tonganoxie, Kan. Grover Meyer, Sale Manager, Basehor, Kan.
October 8—Kansas State Holstein Association Sale, Herington, Kan. R. L. Evans, Hutchinson. Chairman State Sale Committee.
October 23—Central Kansas Breeders Fall Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.
October 28—Nebraska State Holstein Association Sale, Lincoln, Nebr. Robt. Koehler, Fremont, Secretary. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Jersey Cattle

May 3—Hyer Jersey Classic, Springfield, Mo. Chester Folck & Son, Managers, Springfield, O.
May 19—Witter-Yearington-Hirsch, Parkville, Mo. Marvin F. Aegerter, Sales Manager, Seward, Nebr.

Shorthorn Cattle

June 6—W. A. Cochel and D. W. Bishop, Gashland, Mo. Marvin F. Aegerter, Sales Manager, Seward, Nebr.

Milking Shorthorn Cattle

April 19—South Central District All Heifer Sale, Fairgrounds, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
April 25—National Milking Shorthorn Show and Sale, Springfield, Mo. American Milking Shorthorn Society, Managers, 313 So. Glenstone, Springfield, Mo.
April 28—Hartmoor Dairy Sale, W. L. Hartman, Wichita, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.

Hampshire Sheep

May 8—Missouri Breeders' Association, South St. Joseph, Mo. Glen Armentrout, Sales Manager, Norborne, Mo.

Poland China Hogs

October 20—C. R. Rowe & Sons, Scranton, Kan.

Corriedale Sheep

April 28—Haynes Brothers, Kingston, Mo., and Lawson, Mo. Sale at Chillicothe, Mo.

Sheep

April 21—Registered Ram Sale, Hutchinson, Kan. Phil Fanning, Sale Manager, Ottawa, Kan.
April 28—Suffolk Ram Sale, Hutchinson, Kan. Herman Pop, Haven, Kan.
April 30—Oklahoma Registered Sheep Sale, Enid Fairgrounds, J. B. Hurst, Sale Manager, Box 1066, Enid, Okla.

Sheep (all breeds)

May 1—Kansas Purebred Sheep Breeders Association (ram sale), Kansas City Stock Yards.
May 12—Sixth Annual Purebred Show and Ram Sale, Hutchinson, Kan.
June 27 and 28—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, Jefferson City, Mo.

New Manager for American Royal

Newly-appointed secretary-general manager of the American Royal Livestock and Horse Show at Kansas City is William E. Preston, Liberty, Mo. He succeeds A. M. Peterson, who resigned last October, and who will remain as superintendent of the livestock division.

For Night Pasture

Brome grass makes good night pasture, especially in wet seasons, as it gives cows a clean place to lie down, reports Charles Whiteley, Coffey county.

Sweet clover and native bluestem are used for daytime grazing on the Whiteley farm, but he likes to have the brome where he can turn cattle at night.

Easy to Overlook

Two of nature's cheapest ingredients, water and salt, often are overlooked in the rations of dairy cattle, states F. C. Fountaine, of the Kansas State College dairy husbandry department.

Water should be abundantly supplied, he says, and tank water should be warmed in winter months. Salt should be provided as one per cent of the grain ration and free choice. Granular salt, he thinks, is preferred to block salt.

FOUR SQUARE HEREFORD SALE

Wednesday, April 30, 1952

OAKLEY, KANSAS



Register of Merit Breeding . . featured in this offering!
Six Register of Merit sires are represented.

Twelve growthy bulls sell, one a proved sire. Forty-eight females sell, mostly of the same breeding as they carry the service of bulls of Register of Merit breeding. Service Sires "HC Larry Domino 92nd, Dandy Domino 108th, Dandy Domino 3rd and Baca Domino 25th. The blood of the following Register of Merit sires will be found in their tabulations. WHR Royal Triumph, Larry Domino 50th, Double Dandy Domino and OJR Royal Domino 10th.

A feature attraction: the proved sire, MW Larry Domino 168th by Larry Domino 50th. Calved February 20, 1948. HE SELLS.

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HOMESTEAD HEREFORD RANCH, Levant, Kansas

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

MARYCREST FARMS 7TH ANNUAL SALE

REGISTERED ABERDEEN-ANGUS CATTLE

Sale at farm near

Maloy, Ia.—Tuesday, May 13

Selling 10 Bulls and 52 Females

The blood of Homeplace Eileenmere 26th, featured sire at Marycrest, who is a son of Eileenmere 487th, will predominate in this sales offering.

10 BULLS SELL—7 sired by Homeplace Eileenmere 26th: 1 son of Eileenmere 487th; 1 son of Eileenmere 998th; 1 son of Eileenmere of Marycrest. 9 of these bulls are grandsons of Eileenmere 487th.

52 FEMALES SELL—16 daughters of Homeplace Eileenmere 26th; 2 daughters of Eileenmere 487th; 3 daughters of Eileenmere 998th; other noted bulls have granddaughters in this sale. There will be 31 granddaughters of Eileenmere 487th.

SERVICE BULLS—26 of the females are bred to Homeplace Eileenmere 26th, a bull that is generally regarded as one of the very top sons of Eileenmere 487th. Others mated to top Eileenmere bred sires. 18 Open Heifers, many sired by Homeplace Eileenmere 26th. Families — Maud of Bummers—Gamblers—Blackcap Bessies—Georgina—Eulimas—Juanas—Chimera—Edwina—McHenry Barbaras and others.

Write for catalog and you will be impressed with what we have to offer.

JOHN D. and MARY C. WARIN, Owners, Maloy, Ia.

For sale catalog write to J. B. McCORKLE, Sales Mgr., Suite 3500 A.I.U. Bldg., Columbus, O. Auctioneer: Roy Johnston Bert Powell with this publication.

REG. HEREFORD DISPERSAL

FRANKLIN COUNTY SALE PAVILION

Ottawa, Kan., April 30, 1952

Sale at 1:00 P. M.

18 Reg. Females. 15 Reg. Bulls
10 head of grade Hereford Cows
5 and 6 years old.

Females will have calves by sale day or bred to our herd sire Domino Lad 33rd, a son of Domino Lad KTO 108th. The bulls are sons and grandsons of Domino Lad KTO 108th. Cattle may be seen previous to the sale at the farm 2 1/2 miles west of Baldwin.

HARVEY M. BOOTH, Owner
BALDWIN, KANSAS
Gene Watson, Auctioneer

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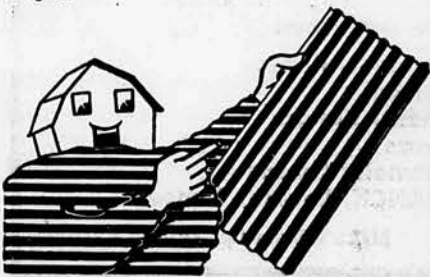
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Proper Training of Heifer Begins Day It Is Dropped

By DWIGHT E. HULL

A BARBERSHOP may seem an odd place to pick up an idea for a dairy article. However, as most farmers know, time spent in a small town barbershop can be quite revealing. Three men, 2 ex-dairymen and one on the verge of being an ex-dairyman, were talking about how to break heifers to milk. Their methods were most ingenious, varying all the way from using "hot shots," and beating them, to completely tying all fours so they couldn't move. They wound up with the observation that "nothing worked," the critics still kicked.

Naturally, I am not accusing a real dairyman of using such tactics; as you notice I said these men were, or are about to be, ex-dairymen. However, I think every real dairyman benefits by reviewing, or having someone review for him, the many factors influencing proper training (not breaking) of a heifer to milk.

Men who have made a scientific study of an animal's ability to give milk tell us to the cow the process of letting down, or giving up, her milk is a pleasing process and not a painful one. Obviously, then, a cow does not kick because it hurts. She kicks only because she lacks confidence in the one trying to milk her. Naturally her confidence is pretty badly shattered with a "hot shot" or a club. True, you can gain the confidence of some animals quicker than you can others. It seems to me the ability of a dairyman to gain the confidence of, and properly train a heifer, could be the secret of why some men are dairymen and some are ex-dairymen.

Just how important is this heifer you wish to train to milk? Again we turn to the scientist, not because he has any more cow sense, if as much as the average dairyman, but because he is trained and it is his business to obtain facts and analyze them.

They tell us a cow does not show a profit until she has finished her first lactation, and unless we do a good job of caring for her up to that time, it could be she would require 6-months or may-

the day-old heifer, and kept her tied for several days or maybe a week. This teaches a calf that a halter means it doesn't do any good to pull back and it can't get away, something it never forgets. As it gets a little older a few lessons in leading will mean that you will always have an animal that can be led without getting excited, and dragging its would-be handler all over the lot.

Halter, lead, pet; never strike, abuse, or lose temper, should be our beginning program, if we want the heifer to have confidence in us. As the time for her to freshen approaches, at least 60 days before the eventful day, she should be put in the milking barn regularly where she will be milked and fed a grain ration. In this 60 days she learns nearly everything she eventually has to learn

Better Egg Profits

Kansas poultry and poultry products rank 3rd in income for farmers. To help you in your business, write us for a copy of these Kansas State College publications: Circular 277—Poultry Management.

Bulletin 350—Egg Quality and Poultrymen's Practices in Kansas. Address Farm Service Editor, Kansas Farmer, Topeka, Kan. No charge.

about being milked. Such things as where her stall is, getting used to noise of milking machine, having someone walking around her and each day her confidence, that you are her friend, increases. If when she freshens, if there are no sores on her teats or udder, gently place the milking machine on her at her first milking and she will seldom lift a leg. You have won her confidence, but you must keep it. The next 2 weeks are critical. Teats may become chapped, cake in her udder may be severe and painful, you may let her step into milkers and pull them off. Patience and careful attention to every detail are extremely important at this period. Teats should be greased and udder carefully massaged after each milking.

A Big Difference

Does it take any stretch of the imagination to believe a heifer so handled will come nearer producing her capacity and capabilities than one that has to learn so much in so short a time by one whose patience is exhausted before he gets her in the barn the first time? Some heifers produce 6,000 or 7,000 pounds of milk their first lactation and some 8,000 or 9,000 pounds or maybe more. We are possibly too prone to blame this difference on inheritance, when it might be a large portion of this difference could be attributed to "training of the heifer." Scientists attribute 25 per cent to 35 per cent of a cow's ability to produce to inheritance, and 65 to 75 per cent to care, management and environment. There are many examples of cows being very ordinary producers in one man's herd, but after being sold, producing considerable above average. Perhaps all too often we condemn our cows as failures, when it is we who have failed to interpret correctly, not only the essential feed and management practices that we must follow, but all too often we have failed to recognize at all that a cow reacts to such things as fear, kindness, sympathy, understanding and suspicion.

Better Farm Living

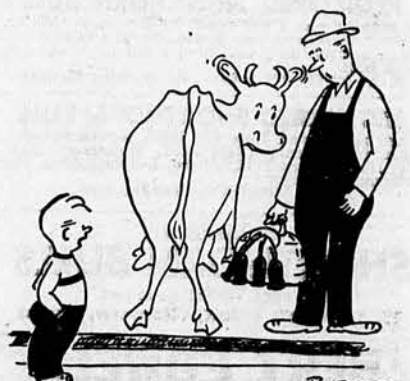
Have you ever counted all the ways electricity can be put to use on your farm to improve family living and the farm business? "Electricity on Farms in Southwestern Kansas" is a new Kansas State College publication which is interesting reading, has valuable tips. For a copy, write Farm Service Editor, Kansas Farmer, Topeka, Kan. No charge. Ask for Bulletin 351.

be another lactation before we began getting a profit. Obviously from this point on, the longer you can keep her around in good production, the more valuable she is. Training a heifer to milk is not something that takes place in a week or two or are the results achieved in a week or two.

Begins Mighty Early

We feel proper training of a heifer begins the day she is born. Inherently this new-born calf is afraid of a man. Not so long ago the boy and I went to the pasture for a new calf. As we approached the calf jumped up and ran for nearly a quarter mile before it stopped, just like any wild animal would do. No one in his right mind would think of striking or otherwise punishing this calf because it ran. But because a fresh heifer we have not taught to have confidence in us kicks, we are inclined to strike back. Too often we let a heifer grow up like, "Topsy," and when she freshens there are so many things for her to learn, she becomes excited, afraid and sometimes almost unmanageable.

A fellow dairyman and I were discussing how high the first bar in a milking stall should be from the floor. He cautioned not to make it too high because he said, "You wouldn't think any animal could get thru this one, but I had a heifer crawl thru there 5 times one evening. And, you know, we spent almost 2 hours that night trying to milk her." How much time would it have taken to put a well-made rope halter on



"Gonna give her a permanent, Uncle Art?"

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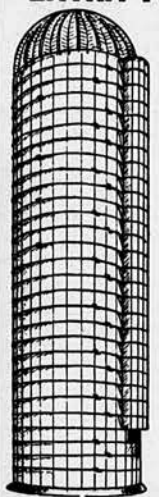
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Flood Control Plan Waits on New Basin Report

By CLIF STRATTON
Kansas Farmer's National Affairs Editor

ON FLOOD-CONTROL front, House of Representatives has sustained its appropriations committee in refusing funds to start construction of Tuttle Creek Dam (across Big Blue some 11 miles upstream from the Kansas river). Also any other new construction. Reason given for supporting Chairman Cannon's stand—wait for report of President Truman's commission on Missouri Basin.

Rep. Clifford Hope, of Garden City (Fifth Kansas congressional district), suggested this program to the President's Missouri Basin Survey commission:

1. Establish facts sufficient to bring about an understanding of the program which "a substantial majority of the people of the basin can approve."

2. Cause a survey to be conducted "by competent engineers to determine whether the watershed treatment plan of the Soil Conservation Service would either modify or be a substitute for the Pick-Sloan flood control plan."

Need Flood Control Now

Rep. Albert M. Cole, of Holton (First Kansas), wrote the commission:

"I am thoroly convinced if the people of the Kansas river valley are given the benefit of a thoro, disinterested engineering survey of these 2 programs (SCS and Pick-Sloan), the majority will accept the findings."

Cole also stressed the main interest is in flood control, and the best program by which this can be obtained—at the earliest possible date.

On the foot-and-mouth front, Department of Agriculture has sent, at the request of the Canadian government, Dr. Francis J. Mulhern, formerly with the eradication campaign in Mexico, to assist the Canadian government in controlling the outbreak there. From Lake Superior to Puget Sound roving border activities are under the direction of 4 regional inspectors of the USDA; these have 24 quarantine enforcement inspectors.

On the scientific front, research workers for USDA report chickens perform one step in building living tissues which has been believed possible only for green plants and micro-organisms.

On the tax front, public grumbling over high taxes has members of Congress worried. Punishing taxes are cutting into sales, slashing profits. Some officials see danger of deflation from the high taxes. Right now almost all candidates are paying at least lip service to lowering taxes in 1953.

One of the best-known and most reliable Washington information letter services (Kiplinger's in Tax Letter) evaluates the leading candidates for the Presidential nomination in regard to tax reductions:

Democrat—Stevenson of Illinois probably would make a real effort to trim considerably. He's strongly anti-waste; made good record in handling Illinois budget; Russell would put tax cuts among first items of legislation; Barkley would not push too hard—afraid to affect defense plans; Kefauver backs present administration policy on taxes, spending.

Republican—Taft would go all out for lower taxes, slashing of government budget; Eisenhower is not likely to concern himself too much with taxes. His primary interests are defense, European aid—both of which are costly; Warren would try for tax cuts—but not at expense of military; Stassen would stick closely to present tax and spending policies.

On the political (presidential) front, begins to look as if neither Sen. Robert A. Taft nor Gen. Dwight D. Eisenhower can get a first-ballot nomination at Chicago the week of July 11. And some of the ablest political observers in the country are speculating whether the Democrats may not have to wind up their convention by "drafting" President Truman, despite his withdrawal from the contest.

Leaders in neither major political parties feel at all certain who will be

nominated. A condition prevails which has not been duplicated since 1920—both parties apparently to have wide-open conventions. Most voters born in this century have not seen—during their adult lives—a wide-open contest for the presidential nominations in both parties the same year.

In 1920, at the Democrat convention, William G. McAdoo and A. Mitchell Palmer fought each other to a standstill, and James M. Cox, of Ohio, finally got the nomination.

In that same year Gen. Leonard Wood and Gov. Frank Lowden, of Illinois, deadlocked the Republican convention; Sen. Warren G. Harding walked off with the prize—and was elected handily.

Four years later the Democrats at Madison Square Garden, after more than 100 roll calls—"Alabama casts 24 votes for Oscar W. Underwood" led off for 102 or 103 ballots—the nomination went to John W. Davis. But the nomination of then Vice-President Calvin Coolidge by the Republicans was a foregone conclusion. Ditto his election.

Again, in 1928, the nomination of Herbert Hoover was taken for granted long before the convention met in Kansas City, altho Sen. Charles Curtis, of Kansas, postponed the decision for a few ballots and became Vice-President. And the nomination of Alfred E. Smith of New York on the Democrat ticket was a cinch bet weeks before the convention met, as was his defeat thru Southern defections.

In 1932, President Hoover was renominated almost automatically. Gov. Franklin D. Roosevelt made a deal with the California and Texas delegations—thru his managers—that stopped threatened desertions and gave him the nomination; in all the Democrats nominated FDR 4 times, and he became the first fourth-term president, after being the first third-term president.

In 1940, 1944, 1948 the Republicans had convention contests. But not the Democrats.

Face Real Contest

The real contest in the Republican party this year is whether the GOP will foreclose any expression by the voters on foreign policy by nominating General Eisenhower, the internationalist, to face an internationalist Democrat nominee.

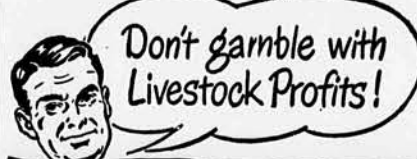
If the Republicans should reach the deadlock stage between nationalist Taft and internationalist Eisenhower, the Taft support might conceivably go to Gen. Douglas MacArthur; Warren and Stassen would vie for the Eisenhower delegates.

Actually, if the Republicans should deadlock, almost anything might happen, even a return either to Taft or Eisenhower after the second-raters and dark horses failed to make the grade.

Democrat prospects look equally chaotic. Democrats in 30 years have become so used to seeing the Man in the White House as their standard-bearer they seem befuddled at having to make a selection elsewhere. Vice-President Barkley is popular but old and noticeably failing, altho still well beloved; Sen. Estes Kefauver, of Tennessee, (the coonskin) and Sen. Robert Kerr, of Oklahoma, have never been taken seriously by Congressional colleagues as presidential timber. Sen. Richard Russell, of Georgia, is by far the ablest Democrat mentioned—but he is from the South, believes in States rights, has opposed the "social welfare" programs, particularly FEPC, and is unacceptable to the northern machine bosses. Governor Stevenson could be the White Hope by the time the convention meets, but does not look it as of today. So Truman may get it by a draft.

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FARM NEWS GRAPHIC

THEY ALL GET QUALITY, SERVICE!



New customer writes "fan" letter. O. R. Stokes of Brighton, Missouri, on the lookout for time-saving service, started to buy from Standard last Fall. A few months later he writes: "I am very well pleased with Standard products and also the service I get. It is very much more satisfactory to have good products on hand when you need them. This also saves a lot of time and expense." Above, Mr. Stokes is shown with his son, George Henry Stokes (right), also a satisfied new customer, and with their Standard Oil Agent, A. C. Watkins. You can get the same service and savings by calling your Standard Oil man.

"I knew him when he was that high," says Charles Brochman, right, about the young man filling his storage tanks. He is Paul Yocum who has taken over as Standard Oil Agent in the North St. Paul, Minnesota, area on the retirement of his father, A. A. Yocum, at left. Mr. Yocum served the Brochman farm for 30 of his 33 years on the job. Long records of service like this are common in the Standard Oil family. It's a friendly way to do business. Let us show you how it works. Call your nearby Standard Oil man today.



"You can't see the difference but it's there," says Standard Oil Agent Harold Jones in explaining how balanced gasoline gives best results. James L. Moster, expert feeder of Franklin County, Indiana, knows that balanced ground feed and ordinary feed look alike but the difference shows up in his prize cattle. It's the same with gasoline: the difference in balanced STANDARD RED CROWN Gasoline shows up in more powerful, more economical performance of your tractor. Your Standard Oil man can show you that it doesn't pay to take a chance on the quality of the gas you put into valuable farm equipment.

News and Notes FOR APRIL

Need help? A leading university points out five ways to meet the farm labor shortage: Spread out peak loads by careful planning. Prevent accidents. Use equipment more efficiently. Train workers in labor-saving methods. Build community cooperation in solving labor problems. There's one more way to get extra help. Lots of folks think of their Standard Oil man as an "extra hand." His prompt, friendly service will keep you from running short of fuel and lubricants just when you need them most. You can depend on him for quality products, dependable delivery, friendly service.



Every minute counts when you're working night and day to get your seed in, but don't ever try to save time by refueling while your tractor is running or while it's hot. You might get away with it, but don't take the chance. And don't take a chance on the quality or the oil you use. Play safe with PERMALUBE Heavy-Duty Motor Oil.

In 1950, farms yielded 1½ million tons of iron and steel scrap, an average of 500 pounds per farm. We've got to do even better in '52.



Turn yours in now! You'll be giving your country's defense a real boost...and you'll be putting extra money in your pocket.

625 million chickens went to market in 1950. To get your share to market in 1952, depend on the economical steady warmth of STANDARD Heater Oil to bring chicks through the chilly nights ahead. For good service on STANDARD Heater Oil and STANOLEX Furnace Oil, call your Standard Oil man.

Now's the time to get acquainted with RED CROWN Gasoline. It's the famous KING-SIZE GAS BUY, called that because it gives you premium volatility at regular price. "Let me fill your storage tank today."

