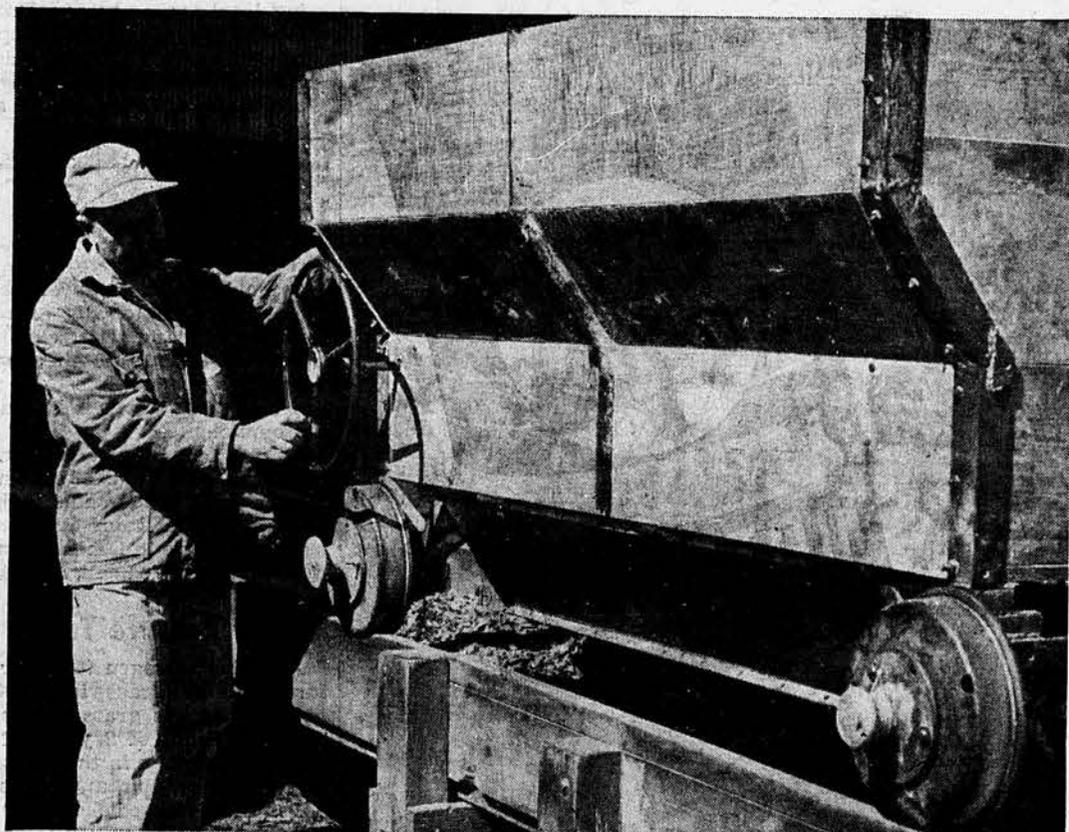
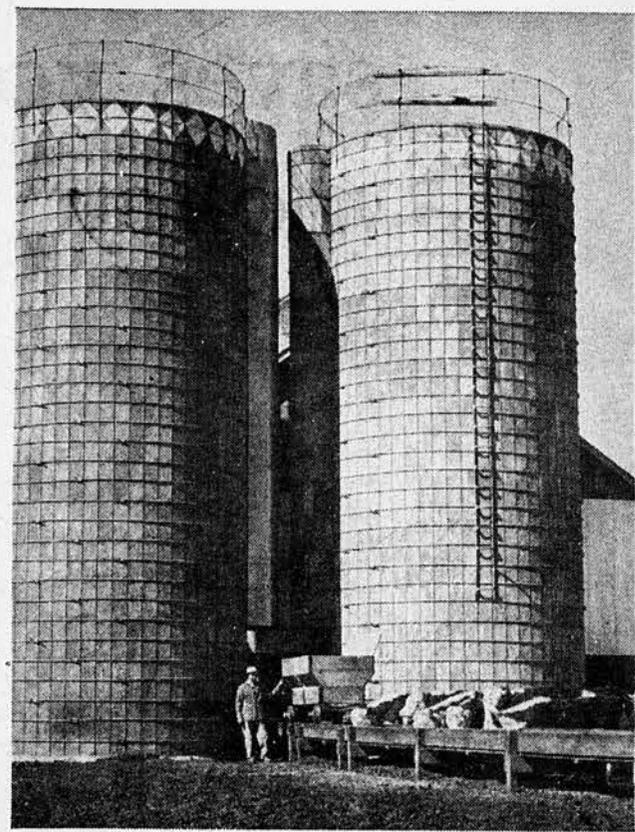


Kansas Farmer



HERE MR. WENGER shows how a wheel on one end of his silage cart operates a trap door that allows even distribution of silage in bunk.



WITH THIS SILAGE setup on the Rudy F. Wenger farm, Brown county, 150 head of steers can be fed in 10 to 15 minutes.

Silage Problems Change With the Weather

... Why would cows eat 45 pounds a day, then stand around and bawl? Answer: the difference in growing conditions of feed

THERE is still plenty to learn about silage, the average farmer will tell you. Despite the fact silage is one of the oldest and most common of crops, no 2 seasons are ever exactly alike and silage problems vary with the weather. Take 1951, for instance. Grasses, legumes and grass-legume mixtures never grew more luxuriantly. "We put up the best-looking grass silage in 1951 I ever saw," relates Max Dickerson, partner with Perry Lambert in operating Sunrise Farm, Brown county. "But when we fed it our Guernsey cows would eat 45 to 60 pounds a day and then stand around and bawl. This year they are eating an average of 30 pounds of sorgo silage daily and doing a lot better on it. There isn't that much difference between grass silage and sorgo. It's just the difference in growing conditions from season to season. The sorgo developed during a fairly dry period and was really potent, while the 1951 grass silage was washy and the cows just couldn't eat enough of it to satisfy their hunger." This fluctuation in feeding value is one good reason it pays to carry a surplus of silage, Mr. Dickerson believes. Sunrise Farm [Continued on Page 35]

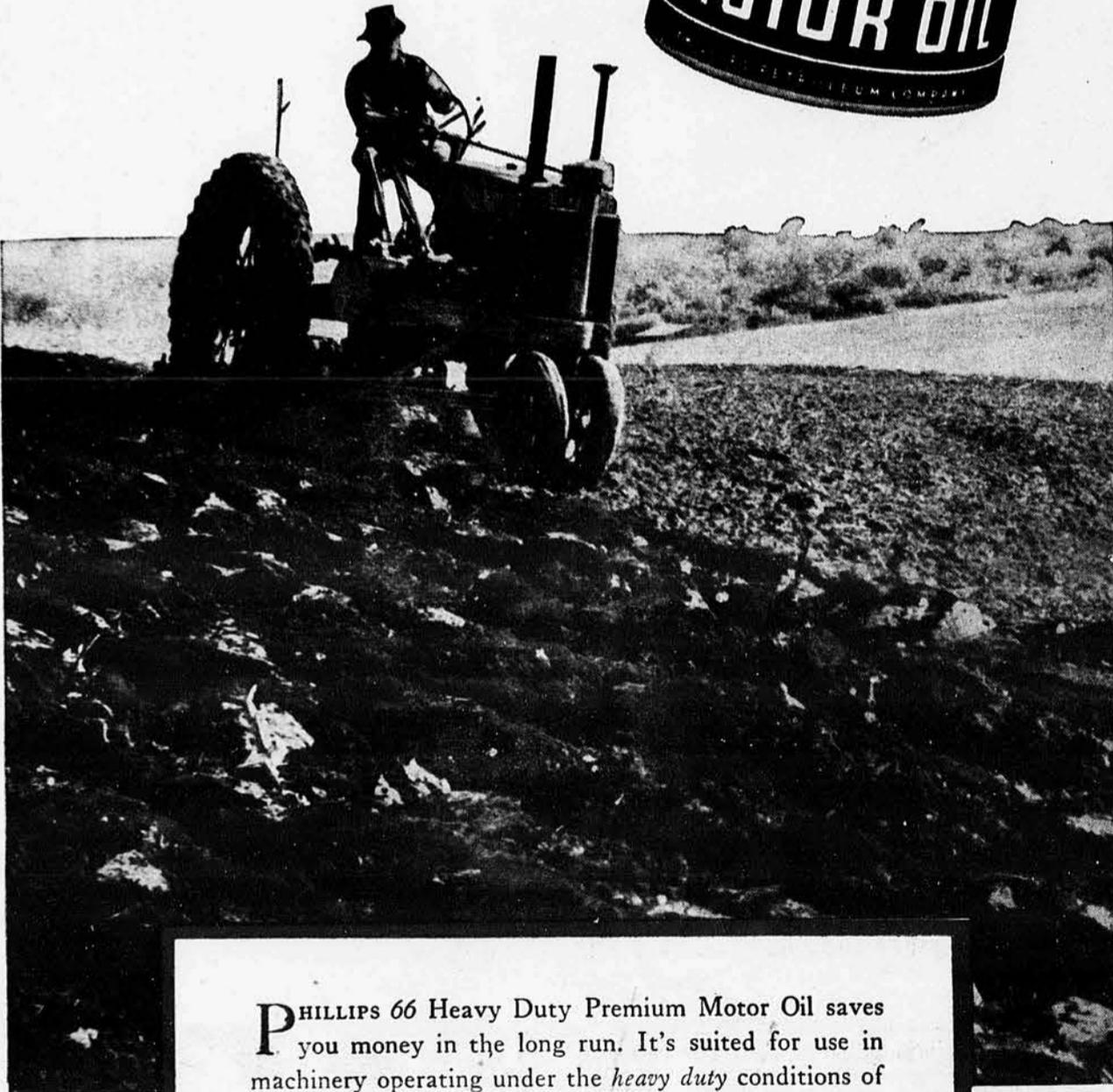


AT SUNRISE FARM, Brown county, Lawrence Booe forks silage into overhead carrier that distributes feed in bunks built around 3 sides of the dairy loafing shed. Perry Lambert and Max Dickerson operate the farm.

- Can We Drive Out Brucellosis? Page 4
- It Took Plenty of Courage Page 6
- From First to Last Course Page 28

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This
 motor oil
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PHILLIPS 66 Heavy Duty Premium Motor Oil saves you money in the long run. It's suited for use in machinery operating under the *heavy duty* conditions of farm work. It reduces wear, corrosion and engine deposits which often cause expensive repairs and replacement of machinery. Also, fewer make-up quarts are needed over long hours of operation. Phillips 66 Heavy Duty Premium Motor Oil provides *Lubri-tection* . . . lubrication plus engine protection. Get it from your nearby Phillips 66 Dealer or your local Tank Truck Driver.

Plan Grain

Protectant Meetings

Grain protectants and how to use them will be discussed this month at a series of meetings over the state. Results of Kansas State College experimental work are brought to farmers.

Schedule of meetings: April 20, Hays; April 21, Salina; April 22, Colby; April 23, Dodge City; April 24, Hutchinson. Meetings start at 1:30 P.M. County agents are making local arrangements. Program includes speeches by KSC specialists, and Jess Smith, president of Kansas Wheat Improvement Association; a film on use of stored grain protectants.

Lambs Like Ground Sorghum Stover

Ground sorghum stover can satisfactorily replace alfalfa as roughage for fattening lambs, Kansas State College tests show. A protein supplement, as well as ground limestone, must be provided since stover is low in both of these nutrients.

Garden City branch experiment station tests show value of salt in fattening ration, says T. Donald Bell, animal husbandryman. Gains are lower and more expensive in lambs given no salt than in groups fed salt free choice.

Report Pasture Tests

Applying nitrogen fertilizer to pastures increases grass yield, protein content and makes grass stands denser. That's a result of 2 years of experiments on 15 plots in the Kansas State College animal husbandry pasture.

Tests also showed phosphorus or potash (or the 2 elements in combination) didn't increase grass yields significantly. Nitrogen application, however, caused yield increases regardless of amount used, up to 50 pounds an acre.

Ernest L. Mader reports nitrogen applied to native Eastern Kansas pasture increases percentage of ground covered by Kentucky bluegrass.

Name a Kansan

Newly appointed assistant to chief of USDA Bureau of Plant Industry, Soils and Agricultural Engineering at Washington, D. C., is a Kansan, Maurice DuMars, Kansas State College graduate. Former deputy director of the Office of Information, he served in that USDA office several years.

Use More Fertilizer

Kansans are using more fertilizer on farmlands. In 1952 total of 261,091 tons of commercial fertilizer were sold to Kansas farmers, and in 1933 total was only 1,831 tons! Yearly total continues to expand. In 1940 total was only 16,031 tons and in 1950 was 169,049 tons!

KANSAS FARMER

Continuing Mail & Breeze

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

The tough jobs will convince you that **THESE PULL WHERE OTHERS WON'T!**



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



PUT SUPER-SURE-GRIPS TO WORK at your toughest jobs—and they'll show you why they're preferred to any other make! In survey after survey of farmers who work their own fields, no other make comes even close to these great Goodyears!

Why? Because SUPER-SURE-GRIPS P-U-L-L where others won't! Those tough jobs that separate the men from the boys are the ones that prove SUPER-SURE-GRIPS have "the greatest PULL on earth"—and they wear better, too!

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1. RULER-STRAIGHT LUGS come closer together at shoulders—and so take wedge-like bites that hold soil in place, give Goodyear tires greater grip.



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Super-Sure-Grip Tractor Tires



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is in the land—
Support your
Soil Conservation
Program

THERE'S A SPECIALLY DESIGNED GOODYEAR TIRE FOR EACH VEHICLE ON THE FARM 



AN EDUCATIONAL demonstration (at left) and program on brucellosis eradication was held in Clay county April 15, sponsored by county Farm Bureau. Observing Dr. M. W. Hull doing official Bang's vaccination are, left to right: Jim Carnahan, president, Clay County Farm Bureau; Joe Wheatley, Chanute, veterinary medicine student at Kansas State College; Rex Henry, Clay county Extension agent, and Lafe Myers, Hereford breeder.

ALL OFFICIALLY vaccinated calves (below) must be tattooed or ear tagged. Lafe Myers, Clay county Hereford breeder, watches as one of his calves is ear tagged by Dr. M. W. Hull. The Myers calves also are tattooed.



Can We Drive Out Brucellosis?

Here is what one county is doing toward finding the answer

By DICK MANN

FOLKS IN CLAY county, Central Kansas, have accepted a real challenge. The challenge, made by the Kansas Farm Bureau thru the Clay County Farm Bureau, is: "Can Clay county conduct a voluntary calfhood vaccination program against Brucellosis that will make the county a Bang's-free certified area which eventually can be widened to include all of Kansas?"

"Sure we can do it," says Jim Carnahan, Ayrshire breeder and president of the Clay

County Farm Bureau. The program already is well underway. In March a public meeting was called jointly by Mr. Carnahan and Rex Henry, county Extension agent. Attendance and interest were good. Farmers heard a thoro discussion of the problem by Ray Pyles, Kansas Livestock Sanitary Commission, Topeka; Dr. D. B. Pellette and Dr. John Coffman, both of the U. S. Bureau of Animal Industry; Dr. Melvin W. Osborn, Kansas State College Extension veterinarian, and Dr. M. W. Hull, Clay county veterinarian.

Then, on April 15, the Clay County Farm Bureau sponsored a county-wide demonstration and educational program. Co-operating were the county Extension agent, the county Extension council, Vocational Agriculture instructors at Longford, Wakefield and Clay Center, G. I.

On-Farm-Training instructors, and local veterinarians. FFA boys are counted on to carry a large share of the educational program over the county.

"Those of us raising livestock are approaching this thing from several viewpoints," says Mr. Carnahan. "I've never had any losses from Bang's disease, but I feel I've been lucky long enough. Members of our local commodity committee also feel the handwriting is on the wall. New and drastic control measures are on the way if we don't get busy and clean this thing up ourselves. Those who have suffered heavy losses in the past are eager to follow a program and to encourage their neighbors to do so."

Dr. M. W. Hull, Clay Center veterinarian co-operating in the test, says: "Official vaccination on calves offers more [Continued on Page 40]"



JIM CARNAHAN, left, (above) Clay county Ayrshire breeder, is having his calves officially vaccinated against brucellosis this year for first time. "I've been lucky long enough," he says.

RECORDS ON OFFICIAL vaccinations (at right) for brucellosis are kept in triplicate. One of receipts being made out here will go to owner Jim Carnahan, one to Dr. M. W. Hull, veterinarian, and one to office of Kansas Livestock Sanitary Commissioner, Topeka.



Kansas Farmer

News and Comment

Hurry-up Deals

IF YOU TAKE a chance buying farm equipment or anything else from unproved sources, you are likely to get stung. That has happened in Kansas, you know. While some very fantastic cases have received a good deal of publicity, there probably are many more deals that have been kept out of circulation simply because the victims didn't want anyone to know they were "taken." Perhaps other items from stoves to eye glasses have been involved. We have had information to that effect.

"A situation that at present is causing reliable dealers considerable concern," say Extension agricultural engineers at Kansas State College, "is 'curb-stone' dealers and cut prices. It would be well to remember that a part of the value of any farm machine is available service and repair parts. It always is desirable to buy from an established dealer who represents a reliable manufacturer."

There are times when a "bargain" sounds and looks "too good to turn down." And there are some pretty smooth talkers to offer such bargains. These unknowns who come around with hurry-up deals frankly are in a hurry. They want to get your money and get out of your reach. When you compare that with buying from your own home-town dealer, you can laugh in the transient's face. Your local farm machinery dealer or grocer or clothier wants to please you, give you full value for your money, be on hand to sell needed quality repairs and, in all, provide you with such good service you will want to come back and trade with him. If you and other customers don't come back, he goes out of business.

There is another worthy angle to this trading-with-your-dealer idea. If you and others make it possible for him to stay in business, he and his employees are likely to be pretty good customers for things you produce.

Need Health Help

MORE VIGOROUS control measures against rabies and brucellosis to protect public health, in both urban and rural areas, is urged by the American Veterinary Medical Association.

There were more than 2,000 cases of human brucellosis in 1952, AVMA said, three fourths of them in rural areas where farm families were exposed to infected animals or infected milk. Number of cases dropped one third compared with 1951, but AVMA said a "stepped-up" campaign could produce even more dramatic results.

Association officials said the brucellosis threat is similar to the problem of bovine tuberculosis, once a major health hazard, which has been almost wiped out. There were no cases of human tuberculosis traced to cattle in 1952.

Pointing to the rabies problem, AVMA cited

the fact last year and estimated 40,000 persons were given anti-rabies treatment because they had been exposed to animals believed to be rabid.

Community-wide drives to have all dogs vaccinated against rabies have been successful in controlling this threat. Similar programs on a wider scale could control or nearly eliminate the rabies problem.

Public health officials also faced other outbreaks of animal disease infecting human beings in 1952, AVMA said. Western equine encephalomyelitis caused more than 700 human cases in a California epidemic, while there were about 100 cases of psittacosis traced to bird pets and domestic fowl.

Not All Bad

YOU HEAR the farm surplus problem mentioned again. Effects of farm surpluses are not all bad, according to good authority. Prof. F. E. Atkeson, head of the dairy department, Kansas State College, discussing the winter's milk surplus in Kansas said: "To expand an industry and become an export-producing state, we must figure on occasional surpluses. They force an industry to seek new markets, promote higher consumption of its product, and to effect economies in management."

On the same subject, Robert H. Rumler, Holstein-Friesian Association, said: "The dairy industry has depended too much on legislation for protection. We need a continuous advertising program to stimulate consumption. We have not taken enough responsibility in marketing. We need to spend 10 times as much as at present to compete for consumer dollars. We will have consumers in the years ahead, but it is up to us to make them customers."

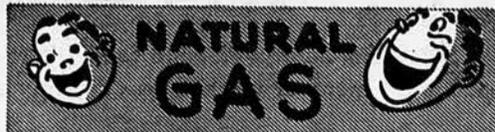
In this connection it is worth repeating that the Kansas Livestock Association, in annual convention, voted to increase from 25 cents to 50 cents a car their contribution to the National Live Stock and Meat Board to further stimulate sale of meat products.

What Causes Accidents

TRYING TO PREVENT accidents has become important business. Working thru the National Safety Council, with headquarters in Chicago, virtually every industry spends a great deal of time and money hunting out accident hazards. Far better to keep a man from getting hurt than to go thru the costly and no doubt painful period of recovery, with both company and the man being penalized thru his lack of production.

Agriculture also has a section in this safety work. The farm division of the National Safety Council is under direction of Maynard H. Coe, known to many Kansans for his many years of valuable leadership in 4-H Club work in this state. Like workers in industrial safety, Mr. Coe and his staff try to pin-point accident traps on our farms. He writes, "If every farm family would conduct a spring clean-up campaign—inside buildings and out—it would go a long way toward eliminating fire and accident hazards, provide a more healthful environment and conserve much needed production."

A primary safety rule he emphasizes is "A place for everything and everything in its place." A recent study of hospitalized home accident cases showed the largest single cause of injuries, other than poor judgement, was disorder. "In fact," Coe said, "disorder was responsible for putting one out of every five accident victims in the hospital."



"You Americans are wonderful. You have learned how to be prosperous when you're broke."

"Oh yes, she's a decided blond—she only decided yesterday."

"Being tolerant: If you can't or won't change your opinions, often it's possible to change the subject!"

"Nobody really grows old by living—only by losing interest in living."

"An eligible young man never should end a sentence with a proposition."

"If a man empties his purse into his head no one can take it from him."—Benjamin Franklin.

"Presence of mind and courage in distress are more than armies to procure success."—Samuel Dryden.

Here are safety suggestions the farm division of the National Safety Council urges you look over: Remove accumulated papers, rags and rubbish in the home from basement to attic. Whitewash or paint the basement. Dust cobwebs from around lightbulbs not only to give more light but to eliminate a cause of fire. Put labels on medicines, poisons and insecticides and keep them out of reach of children. Keep sharp knives and tools in suitable receptacles and guards.

Keep work centers for daily farm chores uncluttered, clear alleyways of things that might trip you. Check stairways and ladders to see whether they need repairs; ramps might prove desirable to overcome the hazards of different floor levels. Avoid storing loose material overhead on rafters or between floor joists and make sure forks, scrapers, brooms, rakes and similar equipment are kept in racks where they will not cause accidents. Gather up loose wire, old cans, pieces of board—see that nails in boards don't stick in someone's foot.

Finally, the council suggests, a good farm workshop is an excellent project as a part of the spring clean-up campaign. The shop should be carefully arranged and all tools and equipment kept in their assigned places. Also, a paint-up campaign makes a better looking place; a neat place is a safe place for work or play.

These safety suggestions from Mr. Coe come out of accident studies all over rural America. They bear reading and remembering.

Made for Wear

A SYNTHETIC rubber that resists attack by ozone and most chemicals has come out of the laboratories of chemical and oil industries. Made with petroleum products, it probably will be used for floor coverings, footwear, white sidewall tires, wire insulation, conveyor belts, adhesives and inks.



"Look Billie—somebody else can eat anything too."



"Awww you're not my Ma."

IT TOOK PLENTY OF COURAGE

But today the George Pinalto family is reaching the goals each member worked so diligently to attain

A CHEERFUL and courageous spirit has given the George Pinalto family, of Atwood, some seldom equaled experiences. And today their fondest dreams are blossoming out of a past that at times looked more bleak than many of us have ever seen it.

For the Pinaltos faced such trials as losing nearly their entire crop, 4 years in a row, have seen the day when their work stock had to go without adequate feed while working steadily, and yet the Pinaltos are raising 17 children, all imbued with the finest characteristics of their parents, have gained ownership of 1,080 acres in a fine stock farm and are leaders in improved farming practices in their community.

First thing that impresses you as you meet the Pinaltos is the sincere respect those 17 young people show for their parents and their level-headed intelligence, down to little 4-year-old Linda. Home and family mean a lot to the Pinaltos too, for the oldest children have stayed right in that community and even on adjoining farms.

But the Pinalto story really starts in Arkansas where father George grew up. He had little benefit of education in those early days. His first taste of farming was on the rocky slopes of his home place, where crops were pretty meager.

First Visited 5 States

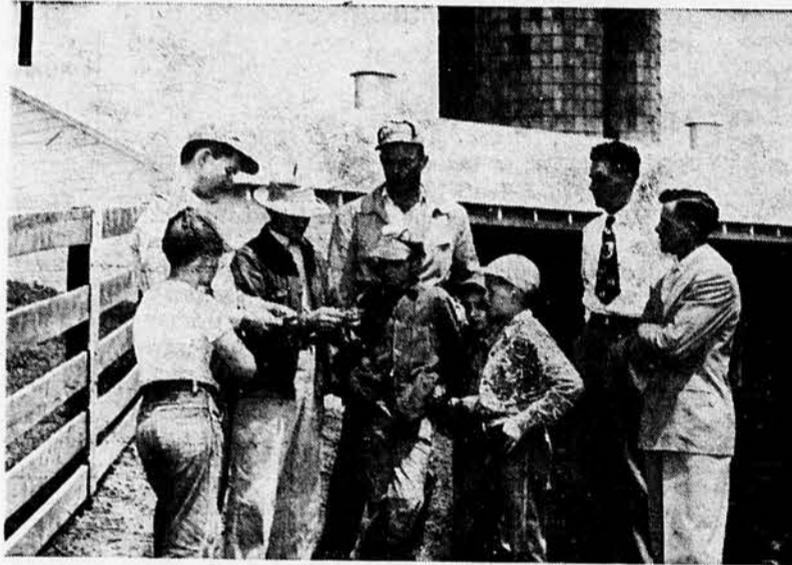
He served in the armed forces in the first World War and came back to serve as a freight conductor on the Pennsylvania railroad, out of Pittsburgh, Pa. George Pinalto was in bad health and his doctor recommended a change of climate. Beautiful pictures of homestead land available to veterans looked inviting to the patient, so he decided to tour the Northwest and look for a farm. By 1920, after visiting 5 or 6 states, and without finding a single farm that looked like the pictures he had seen back in Pennsylvania, Mr. Pinalto arrived at his uncle's farm in Western Kansas, "broke, disgusted and discouraged." The uncle put him to work harvesting wheat.

Mr. Pinalto was impressed with the rich, level soil of Rawlins county, so different from his rocky home in Arkansas. Soon he had saved some money and decided to rent a farm and stay in Kansas. In 1922, he married Mrs. Pinalto and they farmed 3 years near Herndon. But those were discouraging years. The black rust of 1923 wiped out their first wheat crop. Next year joint-worms attacked what hope of harvest there was, and the year following, Hessian fly spelled failure. Ruinous dust storms followed.

Further south in the county, they thought, their luck might be better. In the spring of 1927, Mr. Pinalto put all of his land in corn using a single-row lister and 8 head of horses. He had no feed for the animals and all they had to eat was what they could get in grazing the half day they weren't working in the field. Mr. Pinalto changed off, working each 4 head half a day at a time. It took 31 days working sunrise to sunset to plant 275 acres. That

brought a 35-bushel crop selling at \$1.05 and set the Pinaltos on their feet.

With present problems under control, Mr. Pinalto began looking to the future. If he was going to get anywhere, he decided, he would have to have a farm of his own. He began looking around the county and selected what he thought was just the kind of place he wanted. It was in a creek valley and friends did their best to discourage him, pointing out that the land had flooded in past years. Mr. Pinalto had made up his mind, tho. His banker suggested that since the property was soon to be up for sale, he write the owners and send them a check for a down payment. Fine, only Mr. Pinalto didn't have enough money available. His banker suggested he borrow enough from his neighbors.

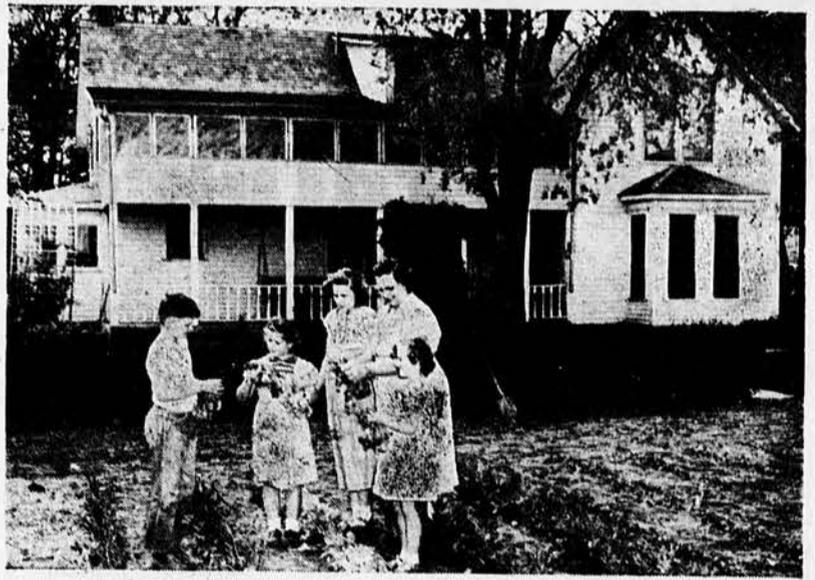


GEORGE PIALNTO discusses feed values with County Agent Jack Wise, left, and SCS district conservationist Al Koch. Older sons Elmer and Lester Pinalto are at right. Younger sons in foreground. Shed in background is filled in fall with 2,500 bales ground alfalfa. This is automatically self-fed into bunk running length of building. Cattle stand on concrete floor.

Mr. Pinalto said he didn't want to be indebted to his neighbors. He thought the problem over. His banker agreed to go along with him on a loan and Mr. Pinalto finally had his own farm. That was in 1937.

Bottomland Did Well

Plenty of hard work followed, but things began looking up. Rather than the floods some had warned against, dry years came and the Pinalto bottomland did well. After his past experiences, tho, Mr. Pinalto wasn't putting all of his eggs in one basket. For 7 years, until as late as 1944, he continued to farm the land he had lived on in the southern part of the county, and hauled his equipment 25 miles to and from the home place. Troubles still seemed to plague the Pinaltos. They insured for hail damage as much as they could, but there wasn't money enough to insure the whole crop. As if fate were plotting against them, hail always seemed to strike the unprotected fields.



CLARA PIALNTO and her family grow practically everything they eat in the gardens and orchard around their home shown in background. Here, the children help harvest some of the produce that went into 1,000 quarts of canned goods.

machines in constant operation, using relief shifts during the noon dinner hour.

Their livestock program has grown, too. They have always kept 15 to 18 head of dairy stock, some poultry and several brood sows. In 1944, they started a beef herd with 30 Hereford heifers brought in from the north. Their total cattle inventory of dairy and beef has been as high as 260 head. Mechanization has fit right in with livestock, too. They had their first electric milk-

Thank You

Have been a subscriber to *Kansas Farmer* for many years, and my father before me.—Mrs. Margaret Lighthall, Dwight, Kan.

ers during World War II and recently purchased new equipment.

What They Enjoyed Doing

Operating as they had to, there were plenty of jobs to go around. Rather than draw lots, tho, Mr. and Mrs. Pinalto tried to give their young folks the jobs they would most enjoy doing. Charles was most interested in mechanics and was assigned responsibility for machinery operation. Some of the girls liked cooking best. Another is an excellent seamstress. Everyone in the family has taken deep interest in their farm and have made it the finest possible. College training, in such subjects as architecture and mechanics, was a great asset to the young people and their home farm.

"I am criticized yet for keeping my boys off the ball team when they were in high school, but we made State Farmers of all of them," Mr. Pinalto said, "and we're all proud of that." He referred to his oldest sons, Gene, Charles, Lester and Elmer. All of the children old enough have been active in 4-H Club work at one time or another.

Today the Pinaltos have 11 children living at home. They also have 9 grandchildren. They have built every building now standing on the place, have \$50,000 invested in machinery and \$20,000 in buildings. Of course, their own labor supply has meant major savings. They own 7 quarters of land in one

(Continued on Page 41)

PRODUCE CHICKENS FROM DEEP FREEZE!

Recent experimental work with a frozen chicken's embryo indicates scientists will be able to produce a live chicken from the "deep freeze." That is, if scientists can create an environment similar to that inside an egg after embryo has been thawed out.

Prof. Basile J. Luyet, St. Louis University, reports already he has been able to revive the hearts of chicken embryos after "quick freezing." Principal agent that preserves life in the frozen embryo is ethylene glycol—same type of antifreeze that keeps automobile radiators from freezing. Then the embryo is immersed in liquid nitrogen at 320 degrees below zero. Life stays dormant, then the animal tissue is thawed so heart can resume beating. Latest experiment is to match typical egg environments for thawed-out embryos by transplanting them to other eggs and incubating them.

They did have flood troubles, too, and some of their bottomland that had been in corn was washed out when an \$1,100 dike broke on their farm. Their land was flooded 5 times, but they were determined to restore it and are building it back up by putting it in grass. Hay is stacked right in the field and provides winter shelter. Warm springs keep fresh water before cattle all winter.

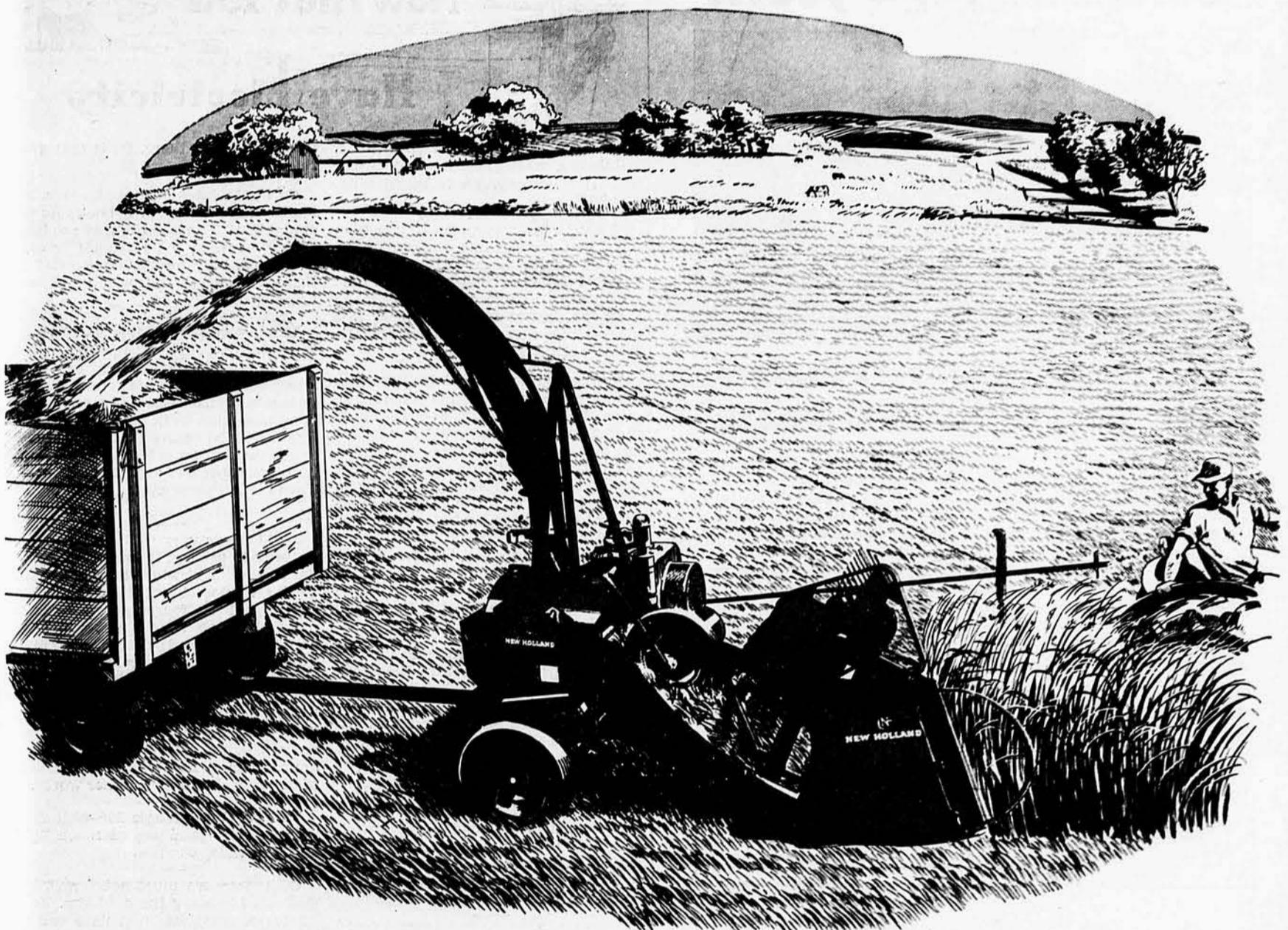
Mrs. Pinalto urged her husband to remodel the house. His reply, "Let's fix up the cows first and they'll fix us up." He was right and dairy profits built them a comfortable home.

The Pinalto family was growing all this time. As Mr. Pinalto says, his family pretty well kept the little community schoolhouse just ¼ mile north of their home going for a long time. Mr. Pinalto has served 18 years on the school board. Their first child was a girl, then 4 boys came. "We were really happy when we had all those boys," Mr. Pinalto said.

With older members getting married, the family has been growing even more to the point that there have been as many as 35 of the family in the Pinalto home at one time. That has meant remodeling the house 3 times. With a family that size, meal planning and preparation is a major occupation. Around 3 sides of the large frame house stretch acres of garden and orchard, for the Pinaltos raise almost everything they eat. Apples, cherries and pears come out of their orchard. In addition to what goes into the home freezer, 1,000 quarts of food are canned every summer and fall. Their big family calls for feeding in shifts and this has worked in well with a highly-mechanized program including 3 combines. With all of the available manpower, Pinaltos are able to keep their

See Sunny Kansas!

Kansas has dozens of fascinating places to visit, either on vacation trip, week-end journey, or a drive for yourself or friends coming to our state. For tips on what to see, read "Tripguide," published by Helbert Travel Service, Topeka. For your free copy, write Farm Service Editor, *Kansas Farmer*, Topeka.



Makes choice silage in half the time!

New Holland's Forage Harvester with exclusive FLOTRAC feed

Working in heavy broadcast mixtures, New Holland's Forage Harvester with direct-cut attachment fills a 4-ton silage box about every 15 minutes. No mowing, no raking —harvests in half the time. You get a feed second only to pasture in richness!

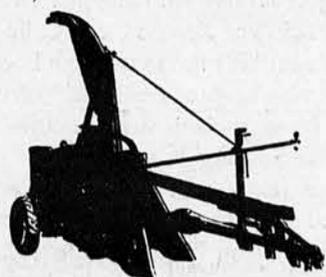
Exclusive Flotrac feed (see right) controls material regardless of variations in bulk. An important New Holland feature that gives you more tons per hour.

You can try before you buy! Your New Holland dealer will demonstrate a harvester and attachments *on your farm* without obligating you in any way! The New Holland Machine Company, subsidiary of The Sperry Corporation.

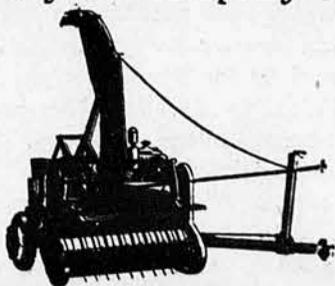


Here's how Flotrac works to maintain steady operation without slugging or jamming. First, the front end rises to meet a wad of material big enough to choke ordinary harvesters. As the wad feeds through, the whole unit rises for maximum pressure without obstructing the flow. When the wad passes into the big, 112-sq. in. throat opening, the Flotrac drops back down to control lighter material.

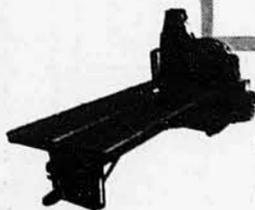
Only New Holland has this time-saving, stop-free feature!



Model 610 power take-off harvester with corn head can be driven by any tractor with 36 h.p. and up.



Model 600 self-powered forage harvester with windrow attachment makes up to 18 tons of grass silage an hour.



Model 680 Tilt-Table Forage Blower moves up to 30 tons of grass and 40 tons of corn silage an hour.

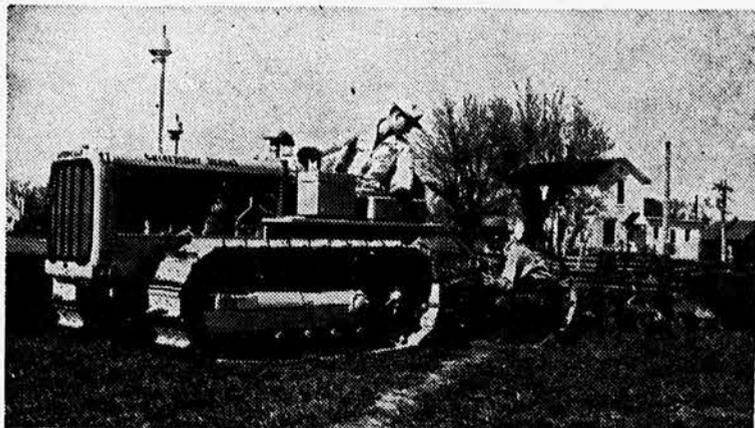


NEW HOLLAND

"First in Grassland Farming"

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Kansas City • Brantford, Ontario

Sure, we'll show you...



How Caterpillar Diesel Tractors will CUT YOUR FARM COSTS

Right out on your farm . . . in your soil conditions . . . with you at the controls, prove for yourself how Cat Diesel Tractors will save you their purchase price time and time again! We'll gladly have you try the size that fits your farm. Keep fuel records . . . you'll save 60% to 80% on your fuel bill. See how much more you accomplish every hour you spend on a Caterpillar Diesel Tractor . . . power for power, Cat Diesel Tractors cover more acres per day. Figure the extra acres you'll get into crop . . . the greater your production . . . with Cat Diesel Tractor power and non-packing traction. Think of the extra years of service you'll get, because Cat Diesel Tractors last longer. Call us for a demonstration today . . . no obligation, of course.

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WE'LL DEMONSTRATE!

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GENTLEMEN, I'VE GOT TO BE SHOWN!
I want to try a Cat Diesel Tractor on my place at _____
(Tell us how to get there)

I farm _____ acres.

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Address _____

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Your CATERPILLAR Farm Dealer



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guessing weights is costly . . .
BE SURE!

Don't guess weights or depend on others' scales—be sure you're getting pound for pound—be sure you have a Fairbanks-Morse Portable Platform Scale for your farm!

Weigh milk, grain, fruits, vegetables, hogs, calves, poultry, or baled hay. Here's a scale built for sustained accuracy . . . its metal parts are "Parkerized" rust resistant.

Check your local Fairbanks-Morse Scale Expert.
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RAIL CARS • HOME WATER SERVICE EQUIPMENT • FARM MACHINERY • MAGNETOS



Now That You Have Electricity

IS THE LIGHTING in your home, milkhouse, washhouse or shop tiring, or is it bright enough to be relaxing, restful?

When in your shop, must you take what you are working on over to the door or window in order to examine it closely? Or in the house, must you take a magazine to brighter light in order to read the fine print? All of that lost motion adds up to inefficiency and the remedy can save you money.

For instance, we heard of a man who began to wonder about an old bin in the barn that had caught a quantity of castoffs ever since he could remember. He put some lights in the place and found some wonderful surprises. There was an old circular saw, a box of tools, an assortment of worthless junk occupying useful space, and a collection of hides.

With lights to see by, our friend cleaned up the bin and converted it into a workshop. The result: barn space back in production; health conditions improved; greater efficiency.

It's just good sense to reason a person can't produce much in the dark. Too often, inadequate lighting is no better than dark. Try driving a tractor into a barn from bright sunlight. Suppose a piece of equipment, a sharp rake or saw, happened to be lying on the floor just inside the dark part of the barn. Either you (1) stop for 10 seconds or so to let your eyes become accustomed to the change, (2) switch on interior lights with a conveniently located switch or (3) chance that the equipment will not be damaged when you drive over it.

Let's go to the laying house. Plenty of light for the birds, but can you switch on additional light for culling? Can you spot the droops, the birds with pale combs, the off-colored shanks?

How about the milkhouse? Shadows hide impurities, so if we can't see 'em

they just aren't there. Or is that good reasoning?

Or in the kitchen, can the Mrs. see inside of the oven or way back into the cupboards? You like the way the light comes on when the refrigerator door is opened, why not in cupboards? Is there adequate light for the sink and work spaces?

In one way of speaking, 20/20 vision is a liability. People with perfect vision tend to use insufficient light and such strain can cause the best of eyes to deteriorate at an accelerated rate. A farm hand who must work under inadequate light cannot produce at top level and eyestrain may cause him to be nervous, irritable, depressed or just plain weary. Thus his low production is costing you money.

Light needs vary with colors. If we go back to sewing, it may seem peculiar to state light which is sufficient for work on a pastel material may be entirely too little for proper work on a navy blue dress. No doubt you have noted that a thread selected under artificial light may be several shades away when compared under natural daylight. Incandescent bulbs produce from the red portion of the light spectrum, thus bring out the red colors in fabric. Fluorescent lights have been produced to approach more nearly the color balance of daylight, less red, in other words.

Incidentally, a single 100-watt fluorescent lamp produces as much light as 429 birthday candles.

Of course, we must not forget the matter of lighting the outdoors. Yard lights can save life and limb and at least one farmer we know operates his exterior lights with a timing switch. If he is to be away from home after dark, the switch is set to turn on the lights somewhere near the time of return. It is both a precaution and a convenience.

No. 10 in series of farm biographies of agricultural "greats"

GEORGE FAIRCHILD

George Thompson Fairchild, great agricultural educator, was born October 6, 1839, at Brownhelm, Ohio. Youngest of family of 10 children, he was reared on his father's farm and received his early education there due to delicate health. He graduated from Oberlin college and then studied theology, later becoming an ordained minister.

From 1865 to 1879 he taught at Michigan State College, resigning to become president of Kansas State College. He spent 18 of the best years of his life in developing the young institution. He made its influence felt thru the State Board of Education, the Association of Agricultural Colleges and Experiment Stations (of which he was president), and the National Teachers Association (of which he was president of the Section on Industrial Education).

He played an important part in framing and passing the Morrill Act, which made possible the founding of land-grant colleges. When political invasion (by Populist party in 1897) of Kansas State College occurred, Doctor Fairchild resigned and spent his time writing a book, Rural Wealth and Welfare. Then he became vice-president and instructor at Berea College, Kentucky. There he organized the agricultural and industrial departments.

A son, David G. Fairchild, became a famous U. S. botanist and explorer. In 1897 he organized the seed and plant introduction work of the USDA, was in charge of the new division from 1906 to 1928. The Fairchild Tropical Garden in Florida was established in his honor, and after he retired in 1935 he led expeditions, for the Garden, to the Dutch East Indies. He received his master's degree from Kansas State College, later studied abroad. He has written several books, most well-known of which is "The World Was My Garden."

More Farmers prove there's a GIANT DIFFERENCE in D-X Lubricating Gasoline and in new, stepped-up D-X Motor Oil!



Typical case histories prove D-X Products can give more "life" to farm tractors . . .

From Webb, Ia., Gordon Erickson writes about new, stepped-up D-X Motor Oil with Extrinol: "When I heard about new D-X Motor Oil I decided to try it in my tractor. When I drained the crankcase, the D-X Motor Oil didn't have gum or sludge deposits I used to get when I changed oil. D-X helps prevent sludge because it contains Extrinol . . . D-X makes a 'Giant Difference' to me. I'm sure D-X Motor Oil protects my engine better than any other oil."

Gordon Erickson

Here's what Trygve Larsen, Estherville, Ia., says about D-X Lubricating Gasoline: "I'm convinced there really is a difference in D-X Gasoline. The upper-cylinder lubricant in D-X lubricates parts of my tractor engine crankcase oil might not reach. Chet Torreson, the D-X Farm Serviceman in our area, burned off samples of two gasolines—one of D-X, another of a different brand—right in front of me and proved the 'Giant Difference' of D-X Lubricating Gasoline. D-X left a thin film of oil in the sample dish. The other brand left a hard, dry carbon. That D-X Lubricant is what I want in my tractor, car, and truck. That's why I'm using D-X Lubricating Gasoline on my farm. Doesn't cost a penny more."

Trygve Larsen

ASK YOUR D-X FARM SERVICEMAN FOR
FLAMING PROOF TEST SHOWN HERE



HE WILL BURN OFF a saucer of D-X Regular or Ethyl, and one of ordinary gasoline. You'll see Flaming Proof of the D-X Giant Difference. D-X leaves oily film of lubricant in the saucer. Ordinary gasoline leaves hard, dry carbon.

Hundreds of gasolines but only one D-X... the lubricating gasoline

IMPORTANT! FOR EXTREME HEAVY-DUTY OPERATION — If you operate a tractor or truck under severe heavy-duty conditions, you need D-X DHD Motor Oil or D-X S2 Motor Oil. They're fortified with extra amounts of Extrinol. Ask your D-X Farm Serviceman for his recommendations about these D-X Motor Oils.

Stepped-up D-X Motor Oils Beat Aviation Oil Standards!
Special—Tulsa, Okla.— Tests here show that new, stepped-up D-X Motor Oils with Extrinol equal aviation oils in heat resistance. And in many other features — resistance to dilution, dirt, and condensation; freedom from sludge and acid formation, and anti-foaming quality—D-X Motor Oils far exceed best aircraft oils.
You risk no money when you use new, stepped-up D-X Motor Oils to protect your tractor, truck, and car engines. For, like D-X Lubricating Gasoline, they're sold with the D-X money-back guarantee. Try these new D-X Motor Oils now!



No. 1 in a series of Tractor Tips PREVENTIVE MAINTENANCE FOR ELECTRICAL SYSTEMS

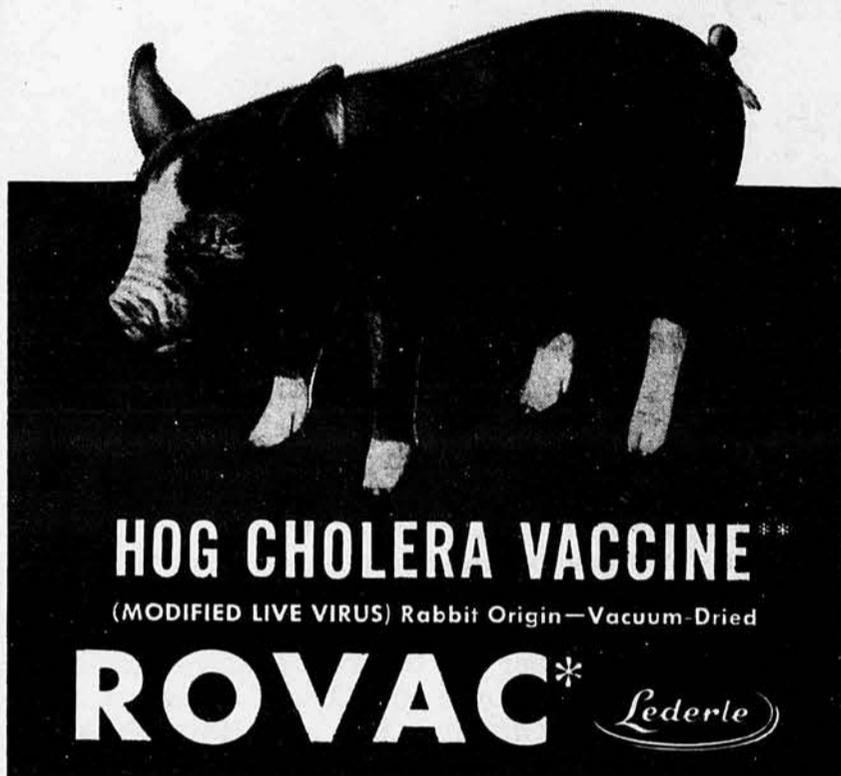
1. Check battery water weekly during hot weather. Keep filler caps tight.
2. Use strong soda and water solution to clean away battery corrosion.
3. Lubricate starter, generator, and distributor shaft monthly.
4. Note regularly whether generator functions properly . . . whether battery is charging.
5. Adjust generator brushes according to manufacturer's recommendations.
6. Replace weak or broken wires. Never tape broken wires together.

new stepped-up D-X Motor Oils with Extrinol

D-X farm service

MID-CONTINENT PETROLEUM CORPORATION
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Waterloo, Ia. Terre Haute, Ind. Omaha, Nebr.
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8 good reasons for choosing this new-type vaccine!



HOG CHOLERA VACCINE **

(MODIFIED LIVE VIRUS) Rabbit Origin—Vacuum-Dried

ROVAC*

Lederle

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

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

SULMET Sulfamethazine Lederle

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

Free literature gladly sent upon request.

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Thoughts TO LIVE BY

"The Answer"

IT WAS AFTER the five thousand had been fed, after Jesus had chilled the crowd's desire to make him king, that many walked no more with him. The defection was so great that Jesus turned to his intimate disciples and asked, "Will you also go away?" Peter replied, "Lord, to whom shall we go? You have the words of eternal life." This is another way of saying that Christ has the answers to life's questions.

To be sure, this does not mean the Bible catalogues every problem and sets forth in detail every answer. It does mean to the extent we catch the spirit and know the mind of Christ we shall be able to solve our problem. There are many disciples in our day, as well as in the past, who testify after looking elsewhere in vain, they turned to the Master and found light and truth. His way works.

Someone asks, "Is this true for every problem, personal, professional, domestic, social, and political?" I believe without any reservations that is so. Personnel departments of some large corporations are finding values in the Sermon on the Mount that were glibly ignored by the business world in the past. Look at the new literature on health. The message of much of it is "Right living is healthy living."

A woman of ability lost part of her sight and was in danger of losing the rest. Thinking about her affliction, fearing her future, she became morose. Her nervous tension was reflected by other members of her household. She found help in the visits of her pastor. To her amazement, he suggested one day that she try to do her housework and keep her hands busy. Selfishness had ridden into her life on the back of sickness. As she became busy doing things for others, she stopped thinking about herself. Altho her eyes did not improve, her attitude did. She has made her adjustment to life and is again her charming, unselfish self. The periphery of life cannot extend beyond the range of Christ's light and truth.

How does one find such help? Often it is mediated thru others. We catch it from someone else. The experience of Job is also helpful. At one time, he cried out in his affliction, "O that I knew where I might find Him." A few verses farther on, he says, "But He knoweth the way that I take; When He hath tried me, I shall come forth as gold."

God is more eager to help us than we are to receive His help. Our part is to give Him a chance.

—Larry Schwarz.

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

Do you have a hobby? If you do, please drop a letter to The Editor, Kansas Farmer, Topeka, telling about it. We would like to print a hobby article in Kansas Farmer to help spread the idea of hobby fun all over the state.

YOU SHOULD have seen the fun at the hobby show in Topeka recently. More than 200 hobbyists trotted out their wares in an exhibit sponsored by the Topeka Daily Capital. Ranging in age from 6 to 96, these folks proved age is no barrier to spare-time fun.

Rocks and stones from Kansas farms formed the basis of a display that captured the major part of 15,000 visitors' interest. The lapidary display of E. A. Slingerland, Topeka, showed how Kansas rocks can be cut, polished and transformed into attractive jewelry.

Shows Barbed Wire Hobby

Mrs. Benjamin O. Weaver, Topeka, displayed an unusual and interesting hobby consisting of 75 different kinds of barbed wire. Many samples of wire long out of use, and the type pioneer settler used.

While the hobby show this year was restricted to people living in Shawnee county, many exhibitors were retired farm people living in Topeka. The hobby show was divided into 2 groups. First group was for those up to 60 years old. Hobbyists over 60 entered in the "Fun After Sixty" group.

Many entrants in this "Fun After Sixty" group showed outstanding ability and ingenuity in their hobbies. One entrant, Mrs. George H. Collins, Topeka, displayed numerous paintings in oil. A prize-winner at the hobby show, she is 83 years old and has been painting only 18 months.

Purpose of the event was to stimulate interest in creative and constructive spare-time activity. The need felt by the average person was well shown

by the 15,000 visitors who crowded the Topeka Municipal Auditorium for the one-day show.

As interest in hobbies is universal among all ages and groups, similar hobby exhibitions can be easily held in communities large and small. If you want free information regarding planning and management of this kind of hobby show, just write to "Hobby Editor," Kansas Farmer, Topeka, Kan.

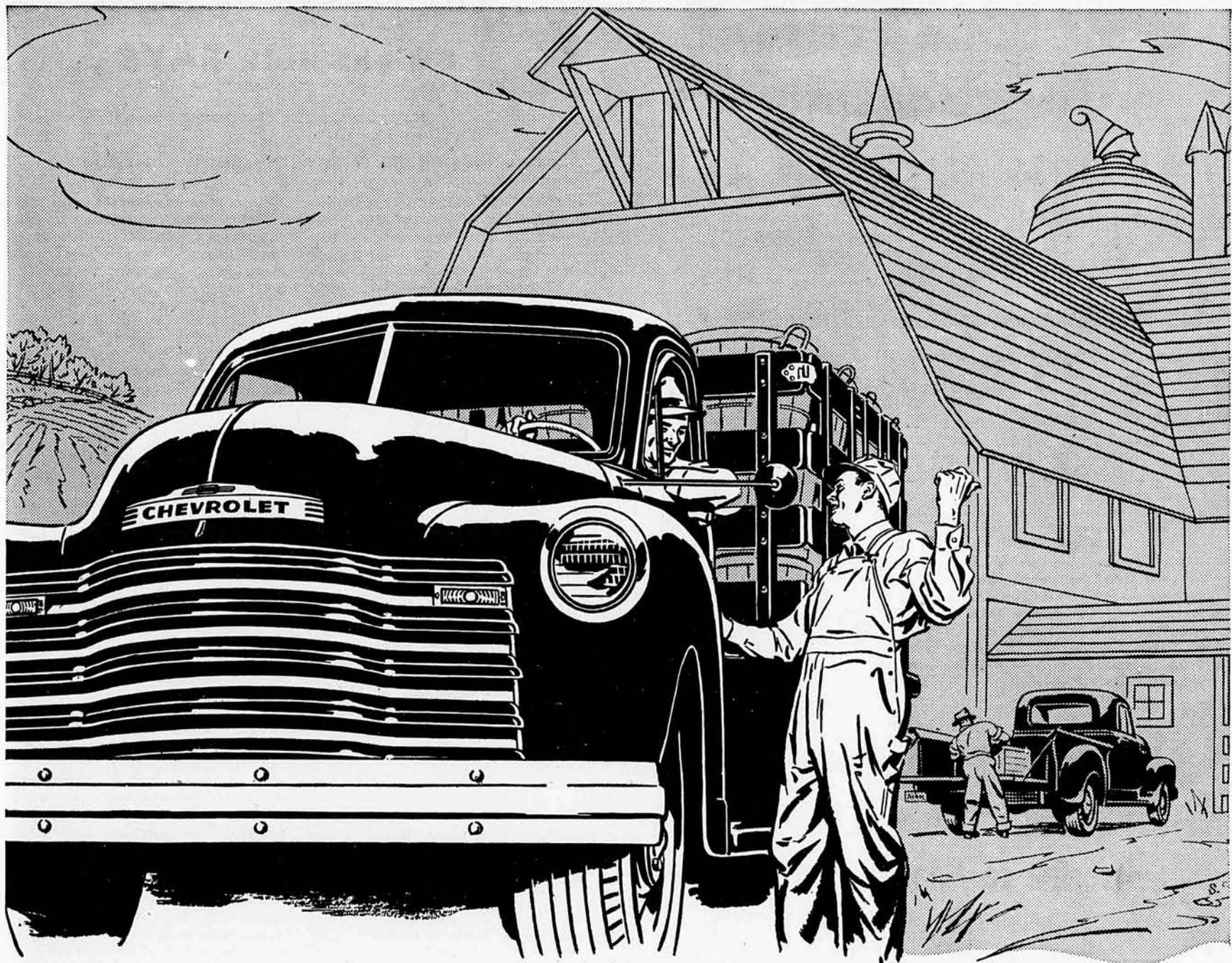
Hold Ground Breaking Ceremony at KSC

First spade of soil turned at ground-breaking ceremony, March 30, 1953, for new \$200,000 feed-milling technology building on the Kansas State College campus was by John Vanier, Salina. Mr. Vanier is a member of the feed-milling advisory committee.

New building will be attached to the east side of Waters Hall, and provide for the only feed-milling technology curriculum in the world. Kansas Farmer brought you pictures and other stories on this outstanding agricultural college course in early issues. Students from many parts of the world come to Manhattan to study milling and receive a college degree.

Landscape Calendar

"Landscape Calendar" is a circular of the Kansas Agricultural Extension Service, Manhattan, which gives many aids to farmer and homemaker for a better farmstead and beautiful yard. As a service to readers, a copy of this circular may be ordered thru Farm Service Editor, Kansas Farmer, Topeka. No charge. Order Circular M-31.



(Continuation of standard equipment and trim illustrated is dependent on availability of material.)

How Chevrolet Trucks can cut costs on your farm...



There are plenty of good, sound and solid reasons why 1953 Chevrolet trucks will do your work at the lowest possible cost.

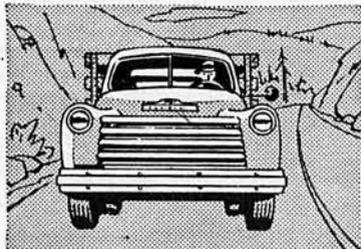
To name just a few: With Chevrolet, you don't waste money on too much truck—or too little truck. Chevrolet trucks are factory-matched to your job with every unit engineered for the work your truck will do.

Then, too, Chevrolet trucks *list for less than any*

other truck of comparable capacity and specifications!

Add to these facts the gas-and-oil economy for which Chevrolet is well and widely known and there is room for just one conclusion: Chevrolet trucks are built to do more work for less money.

So, before you buy *any* truck, let your Chevrolet dealer show you how 1953 Chevrolet advance-design trucks can cut your costs. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.



Greater Gasoline Mileage

The greatly advanced high-compression Loadmaster engine in heavy-duty models not only delivers more power, it reduces gas consumption, too! The Thriftmaster engine has long been famous for low-cost operation.



List for Less

Chevrolet's volume production—largest of any truck manufacturer—permits important economies in the building of trucks. That's why Chevrolet trucks list for less than any other trucks comparable in size and capacity.



Lower Upkeep Costs

Valve-in-Head engine design means extra gas and oil economy as well as greater stamina. The rugged strength of axles, frames, cabs and other units assures your truck of longer life and lower-cost upkeep.

MORE CHEVROLET TRUCKS IN USE THAN ANY OTHER MAKE!





Mechanize crop unloading
with St. Paul Dump-its!

Handles "101" farm jobs
quicker, easier, cheaper!

One man can unload 6 1/2 to 14 tons of corn, grain, and other farm products IN SECONDS, with the new St. Paul Dump-it hoist. As a result, you save up to 60% in harvesting costs . . . get your crops to market or storage faster, with less back-breaking labor. But remember, there's a big difference in farm hoists, so be sure you get the new St. Paul Dump-it, with over 50 advanced engineering improvements no other hoist can match! Newly-designed Dump-its are stress-proved and work-rated for lowest net cost per payload hour. Ask your truck dealer, or St. Paul Distributor . . . or write for FREE Dump-it literature, just off the press! St. Paul Hydraulic Hoist, Customer Service Dept., 36113 Main St., Wayne, Mich. S-D-F-7

7 great new farm hoists for every size truck

 6 1/2 to 7 1/2-ton cap.	 7-ton cap.
 8 to 10-ton cap.	 9 to 12-ton cap.
 9 to 10-ton cap.	 11 to 14-ton cap.

*Also H 16 FW wrap-around hoist (84" C/A; 8 to 10-ton cap.).

OUR 41st YEAR
St. Paul Dump-it Hoists
HYDRAULIC
oldest in reputation . . . newest in cost-saving features

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... AT YOUR LOCAL DEALER

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\$29.50 COMPLETE

Here's a special demonstration you should see! Ask your dealer to show you how the "WEED CHOPPER" Electric Fencer actually cuts weeds or grass in two when they reach the fence wire! It's real proof you can have full time electric fence operation when weed "shorts" are prevented. Check all the reasons why International's "WEED CHOPPER" Electric Fencer is your best buy for permanent electric fencing (SAVE 60-90% on construction)—temporary pasturage fence—strengthening old fences, etc.

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The Sure STOP to control your Stock
International "WEED CHOPPER" ELECTRIC FENCER
SOLD AND SERVICED BY OVER 10,000 LOCAL DEALERS



Dwight Hull SAYS . . .

Congratulations to Sedgwick County Dairymen

WE RECENTLY had the very pleasant opportunity of attending the annual Sedgwick County Dairymen's Banquet. Congratulations are very much in order to the dairymen of Sedgwick county and to their county agent, Don Ingle, for sponsoring a most successful event.

More than 250 dairymen and women and dairy-minded people not only enjoyed a delicious meal together, but also were treated to 2 very worthwhile talks. Kling L. Anderson, who has charge of pasture management at Kansas State College, and whose recent articles in *Kansas Farmer* have been so very interesting, gave an unusually fine, illustrated talk on his recent trip to New Zealand. George W. Gerber, marketing specialist, Kansas State College, very ably discussed the milk situation.

We were especially well pleased with Mr. Gerber's remarks. He presented figures comparing the food value of milk with other foods as priced on today's market. These figures gave a quart of milk a food value of 42 cents. Mr. Gerber also told his audience he didn't feel the surplus milk problem is too serious, if dairymen would do a better job of selling and advertising their product.

We thoroughly enjoyed the evening and were of the opinion everyone else did, as no one seemed to be in a hurry to go home, but lingered to visit with their fellow dairymen. We wished most sincerely every county could have such an annual event.

This week's mail brought some informative literature put out by the National Dairy Council. Mrs. Kathleen Shea, who is assistant director of the dairy council of Wichita, wrote she too, was a reader of *Kansas Farmer*, and we have her to thank for this material.

I mention this because I want to pass on some of this information to you.

First, I would like to say the National Dairy Council is an excellent organization that is doing much for the dairymen in the way of research and advertising dairy products. Some cities have a local dairy council, as Wichita does, which is affiliated with the National Dairy Council. The Wichita dairy council is supported by dairymen selling milk in Wichita and milk handlers or processors of Wichita. There are at least 2 trained nutritionists employed, who spend their time informing the public by lectures, pictures, demonstrations, and other means of the high quality of milk as a food.

Dairymen who question advisability of using a small portion of their income to advertise their product should familiarize themselves with the work of the dairy council. They also should realize that business men are supporting this work the same as producers and business men advertise, knowing it pays. It means as much or more to the dairyman than it does to the processor, to have the public realize the true value of their product.

Perhaps if we dairymen knew more ourselves about the true value of milk as a food, we would have more enthusiasm in wanting to tell others. I discovered, as I read the literature from the dairy council, many scientific facts and much information about milk I had not realized before. Scientific research is constantly establishing new facts about milk. I believe, if every dairyman would write to the National Dairy Council, Chicago 6, Ill., and get the literature about milk and would read it, they would have a far greater appreciation of dairy foods and of our opportunity and rightful pride in the service of the dairy industry.

Ready for Spring Dairy Shows

DATES HAVE been set for most of the spring dairy shows to be held in Kansas this year. The shows listed to date, by breeds, are as follows:

Holsteins

Those already held: Monday, April 13—Southeast District, Iola. Tuesday, April 14—East Central District, Lawrence. Thursday, April 16—Capitol District, Topeka. Thursday, April 16—Northeast District, Horton. Friday, April 17—North Central District, Linn.

Those still to come: Saturday, April 18—Ark Valley, Newton. Monday, April 20—Northwest District, Ness City. Tuesday, April 21—West Central District, Ellinwood. Wednesday, April 22—South Central District, Kingman. Thursday, April 23—Central District, Salina.

Milking Shorthorn

Monday, May 4—Northwest District, Hill City. Tuesday, May 5—Southwest District, Dodge City. Wednesday, May 6—South Central District, Hutchinson. Thursday, May 7—North Central District, Herington (tentative). Friday, May 8—Northeast District, Topeka. Saturday, May 9—Southeast District, Erie.

Jersey

Monday, May 11—Northeast Parish, Horton. Tuesday, May 12—North Central Parish, Abilene. Wednesday, May 13—Central, Hutchinson. Thursday, May 14—South Central, Wellington. Friday, May 15—Southeast, Oswego. Monday, May 18—East Central, Garnett.

Guernsey

Monday, May 4—Southern, Newton. Tuesday, May 5—Central, Salina.

Ayrshire

Monday, April 27—Newton. Tuesday, April 28—Hutchinson. Wednesday, April 29—Wellington. Thursday, April 30—Columbus. Friday, May 1—Effingham. Saturday, May 2—Abilene.

Brown Swiss

Monday, May 25—Canton 5, Topeka. Tuesday, May 26—Canton 1, Erie. Wednesday, May 27—Canton 2, El Dorado. Thursday, May 28—Canton 4, Hutchinson. Friday, May 29—Canton 3, Dr. Bush Farm, Harper.

New Oil Spray

Fill an old fly sprayer with crankcase oil and use it to make the job of applying oil to disk plowshares, mower sections to prevent rusting.—O. M.

Homemade Candy Treats

Any time is a good time for the old-fashioned treat of homemade candy, and it's always a pleasant surprise worked into the family meal as a double for dessert. Think also of the fun the whole family can have in joining forces to turn out a glistening pan of creamy fudge, old-fashioned taffy, or cinnamon popcorn balls! These are a few of the recipes to be found in the Karo leaflet, "Better Homemade Candy." Write for a copy to Home Service Editor, *Kansas Farmer*, Topeka, Kan. 3c for postage.

Two Kansans Give Impressions of Wheat Meeting in Washington, D. C.

DEAR EDITOR: I attended the wheat industry conference held in Washington, D. C., March 2, and the meeting, March 3, of a smaller committee of 9 to further develop ideas coming from the industry-wide conference. It was suggested by the Secretary's office (Secretary of Agriculture Ezra Benson) that our deliberations cover 2 phases: what can be done immediately to improve the present agricultural program as it relates to wheat, and suggestions toward developing an agricultural program on wheat for the future. . . .

It is my opinion the U. S. Department of Agriculture and the Secretary are sincerely interested in accepting any and all suggestions made by the wheat industry for the stabilization and development of the industry. I believe we have a wonderful opportunity as wheat growers to make suggestions and improvements that will make our program more practical from the standpoint of the producer, as well as more economically stable in the future.—Herb Clutter, secretary, National Association of Wheat Growers, Holcomb, Kan.

DEAR EDITOR: I attended the wheat advisory meeting in Washington, D. C., March 2, at invitation of Secretary of Agriculture Benson. I attended as a wheat producer and member of the Farmers Union.

My first impression arose when members of the committee were introduced. Dominant role of non-farmers was very evident. Millers, elevator operators and other elements of the processing and "middlemen" trades were very evident. Same thing has been characteristic of other committees called in to advise the department on other commodity problems. . . . Complexion of these committees makes it clear the department's primary concern is with the traders rather than dirt farmers.

Another very significant fact bearing on this impression is the department refused to pay travel costs and expenses for those who attended. It costs several hundred dollars for a farmer to make the trip to Washington. Obviously only wealthy farmers, or those who could get the financial backing of a farm organization, could attend the meetings. I know that some farmers who were invited to attend the wheat conference could not do so because they could not afford to leave their farms and travel to Washington at their own expense. . . .

Cost Was Emphasized

The conference started with a 15-minute presentation of the bare statistics concerning wheat supplies, production and markets. After that, Mr. Howard Gordon, who presided, turned the discussion over to the committee with no further orientation. Thruout the discussion, Mr. Gordon and True Morse, the undersecretary, emphasized costs of the farm program including price supports, and never once referred to benefits to farmers and general public of these programs. Their implication was plain these programs have been a drain on the treasury, nothing more. The fact is the Commodity Credit Corporation's operations in supporting the price of wheat have resulted in a net profit to the Government. Of course, that is only a minor benefit from the program; benefits from standpoint of stabilizing production and prices and assuring a high level of food production thruout the critical years of recent

history never were acknowledged by anyone from the department.

Illustration of the department officials' attitude was their observation about wheat production history of last 20 years. They pointed out large surpluses accumulated up to 1940, when "World War II came along and bailed us out." Again by 1949, they pointed out that large surpluses had accumulated and again the Korean emergency "bailed us out." This seems to me an exceptionally short-sighted and dangerous way of looking at the situation. War did not "bail out" wheat farmers. Wheat farmers, and the abundant reserves accumulated in those years instead "bailed out" the Nation. It is frightening to think of what might have happened if we had not had large

reserves of wheat available for those very grave emergencies.

Any citizen who has the welfare of the country sincerely at heart cannot look forward into the foreseeable future without concluding the Nation cannot risk a shortage of wheat and other essential farm commodities. There is certainly no assurance whatsoever that we can count on being spared similar emergencies in the future.

Importance to the Nation's security of maintaining large reserves of storable food, feed, and fiber commodities thruout the dangerous period ahead was injected into the committee's discussions by some of the farmers and farm organization representatives present. It received a completely cold response from Mr. Gordon who presided as Mr. Benson's personal representative.

The department appeared equally cold to consideration of relating wheat supplies to the nutritional needs of the American people and for export. Mr.

Gordon directed the discussion on the apparent assumption that if production exceeds immediate market demands at the support price level there will have to be acreage allotments and marketing quotas. It seems to me the entire emphasis was placed on the objective of decreasing the responsibility and activity of the Government, rather than that of meeting the human needs of our people and the national requirements for conducting the cold war and as insurance against a national emergency. . . .

I was very disappointed to find the Department of Agriculture appears to be chiefly concerned with commodities, markets, and a doctrinaire conception of economic theory rather than approaching farm problems from the human standpoint of considering human needs of the farmers, those engaged in the trade, consumers, and the Nation's needs and responsibilities for the dangerous period in the history of the world.—Lud W. Strnad, Brewster, Kan.



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IF YOU carried your share of the load . . . and pocketed your share of the income . . . products from your farm fed 14.5 people last year. What's more, with new births averaging 10,000 every day, there'll be even more folks at your dinner table this year . . . and in the years to come.

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BRAND Fertilizer. Why BEM BRAND? Because it's the bonus fertilizer. BEM BRAND contains essential secondary plant foods in addition to the primary elements, nitrogen, phosphate, and potash. These bonus elements are the extra plant foods which help you get maximum production from every acre of land.

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12:45 P.M. - M.W.F. ON KV00, 1170 ON YOUR DIAL
"LIVESTOCK MARKET REPORT" with BOB RILEY
12:30 P.M. - M.W.F. ON KMBC-KFRM, 980-550 ON YOUR DIAL
"WEATHER SUMMARY"
AT 7:45 A.M. ON KOAM, 800 ON YOUR DIAL

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Thank You

I really do enjoy reading my Kansas Farmer a lot.—Mrs. Emily A. Kennedy, Sr., Rt. 1, St. Paul.

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To Celebrate "Old Limestone Day" At Site of First Kansas Project

KANSAS FARMERS can lay claim to one of the oldest soil conservation projects in the United States. Limestone Creek Soil Conservation project, in Jewell county, was started in 1933.

On May 20, interested farmers and soil conservationists from the Midwest will gather at Mankato to celebrate "Old Limestone Day," the 20th anniversary of the limestone project.

Sponsors of "Old Limestone Day" are U. S. Soil Conservation Service, Radio Station WIBW, *Kansas Farmer*, and Topeka Daily Capital.

Plan include visits to Jewell county farms which were in the original project. Each farm will show a type of soil wearing or soil buildup.

Some farms in the original project show terraces that have been maintained thru the 20 years. Others will show the various stages of soil wearing, in proportion to the care they have received.

The tour will include farms with new terraces and farms with no terracing. In all, it will encompass only a few miles but will show every known type of terracing and soil conservation practice.

Top personnel of SCS are assisting

local citizens in making the day the biggest event ever held in Mankato. Harvey O. Bobst, assistant SCS regional director of operations management, Lincoln, Nebr., and Fred Sykes, state conservationist of Salina, are taking active part in the planning.

Others working on the celebration include: Wes Seyler, farm service director for WIBW; Francis Willmeth, Smith Center; Clyde Reed, Mankato; LeRoy Baringer, Webber; Stanley Marr, Eshon; Earl Willmeth, Mankato; Kenneth Sanborn, Mankato; Don Love, Mankato; Henry Bergschneider, Hays; Raymond Leece, Webber; Lee Sprenger, Mankato; Alvin Otte, Cawker City; Krank Kissinger, Mankato, and Perry Stinson, Randall.

Tour of farms will include a stop for lunch where several speakers will present a noon ceremony over WIBW.

Mr. Sykes, reviewing plans for the celebration, said farmers of Kansas will be able to clearly see the value of soil conservation as compared with no plan.

This will be the first celebration of a soil conservation project in Kansas. As such, it will mark a step forward in the history and progress of soil conservation.

Take Care of Your Shock Absorbers!

By CHARLES H. LERRIGO, M. D.

"IF YOU'VE GOT to go, whether aye or no; when every step, no matter how slow, makes you groan and murmur Oh! Oh! Oh!—well, what are you going to do?"

Our much abused, overworked, overloaded, pinched and tortured feet do get back at us in the later years of middle life. They get respectful attention from us then, no matter how smartly we shut them up in our younger days. Generally something can be done. Most feet can "come back" even tho' corned and calloused and broken-arched. Give them a chance.

The arches serve as the springs and shock absorbers for our feet. It is because of their elastic stretching and bending, their giving without breaking, that our feet can work. Arches do not often "break," but as we put them under greater strain, and at the same time take on the flabbiness of age, they do become weak. And when they sag we get pinched nerves, congested veins, sluggish lymphatics, and many other reminders of poor foot care.

Ordinarily the first thought in arch trouble is "arch supporters." But artificial arches are not wise unless you are so old and broken there is no repair possible. They do help. In fact they may give such relief from the ache and pain of weak arches as to seem miraculous. But there is nothing about making use of them that will strengthen your flabby foot muscles to act for themselves. So you may have to wear arch supporters for keeps if you begin them. And they will fail you after a time.

If you are heavy (many folks with aching feet are overweight), get down to normal. You are overloading your springs and you won't get much relief until you reduce. Your shoe dealer may be one of those intelligent men who have made a real study of the arches of the foot. Get him to show you just what kind of shoe you should wear. Get 2 pairs of shoes so you may have a daily change. Getting shoes that fit your feet may be all the assistance your arches need, if you are not overweight. But perhaps your poor, flat feet have gone thru so much they cannot adjust themselves. They need to have certain muscles favored by special exercises. "Toe-ling in" helps some such cases; walking a few hundred steps without letting the heel come quite to the ground helps others.

The modern physician will prescribe exercises for such foot troubles instead of giving drugs. If the case is extreme, he may feel he must direct you to a physician giving special attention to orthopedic cases. It would not be likely to need surgical care. Why not ask your doctor?

Pretty Slip Covers

Slip covers for boudoir or slipper chairs made from old chenille bedspreads are wonderful, they look so luxurious and never need ironing. I wash the slip covers on a windy day, hang wrong side out and they come off the line ready to replace on furniture. Fringe around the bottom of slip covers adds to their appearance.—Mrs. Sam Mundy.

HINTS ABOUT GOOD BLOOD

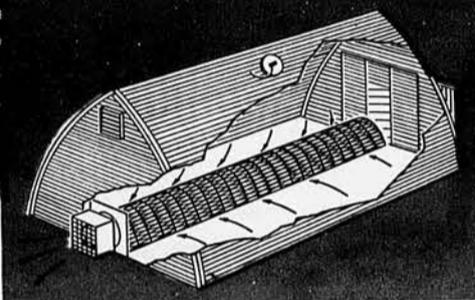
By CHARLES H. LERRIGO, M. D.

Do you have good blood? When folks complain their blood is poor (sometimes they say "weak blood") they usually mean it is deficient in red corpuscles, being low in the coloring matter called hemoglobin. The common diagnosis is anemia which really means nothing more nor less than "lack of red blood."

There are different kinds of anemia. In modern times doctors help critical cases by infusing blood—usually obtained from a "blood bank." More information about this is given in my special letter, "Hints About Good Blood." A copy will be sent to any subscriber sending a request, with an envelope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, *Kansas Farmer*, Topeka, Kansas. No copies can be sent unless the stamped envelope is received.

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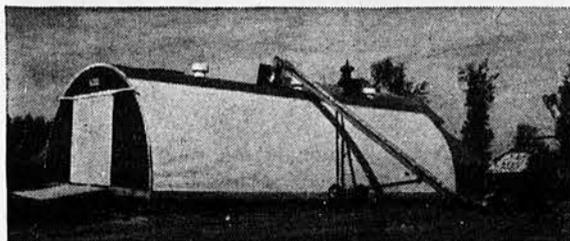
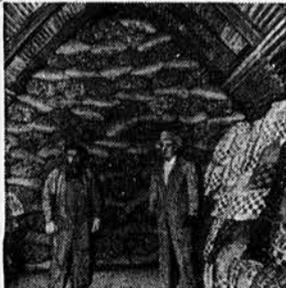
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PLAINS FARMERS ENDORSE QUONSETS



"In use in 5 days," says Cecil J. Rhodes, of White-water, Wisconsin, of his Quonset 16, equipped with fan and tunnel, for drying and storing ear corn. "I have 2200 bushels in this building now," says Mr. Rhodes.

"A wonderful building because it's so versatile." So Dean M. Hewitt, David City, Nebraska (right), described the Quonset 16. He has 12 of these buildings on his property.



W. R. Mitchell, Grundy Center, Iowa, dried 5500 bu. of ear corn in this Quonset 32 last fall—first crop harvested in his county.

Here's the new building you'll want for your farm. It's the Quonset 16—just right for crop storage . . . and for dozens of other uses.

It's available in a size to fit your needs . . . priced to meet your budget . . . and engineered to handle grain direct from modern harvesting equipment. All-steel quality construction, careful Quonset engineering, and qualified erection crews, assure a long-lasting, good looking building. Easily expanded, the Quonset 16 meets CCC storage requirements. See your authorized Quonset dealer today or send in the coupon for complete information.

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THE MOST PRACTICAL
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12-36	6	45.20
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13-24	6	40.08
13-28	4	37.75
13-28	6	43.91
13-36	6	49.84
14-24	6	48.13
14-28	6	53.28
14-32	6	58.65
15-28	6	60.14
15-32	6	65.14

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Size	Price—Inc. Tax
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7.50-18	1.57
9-36	3.55
9-38	3.59
10-28	3.58
10-38	4.50
11-28	4.34
11-38	5.37
12-38	6.57
11-36	5.00
12-36	6.13
13-24	4.52
13-28	5.11
14-28	6.92
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6.50-16	1.49	12-36	7.27
7.50-10	1.58	12-38	7.80
7.50-16	1.87	13-24	5.36
9-24	3.18	13-28	6.06
9-38	4.26	13-36	7.27
10-24	3.42	14-24	6.93
10-38	5.34	14-28	8.18

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How to Keep the Family Garden From Being Neglected in Summer

By WILLIAM G. AMSTEIN, Kansas State College

DOES IT REQUIRE quite a little effort to get the garden tended? Much of it has come to be a hand job. The garden too often is a badly neglected area by midsummer for lack of ease in working.

Useful hand tools to tend the area between rows come in handy in many gardens. A wheel hoe of some type is a practical answer for a farm family to have for the average garden area. Now available in many different styles, wheel hoes even come with several attachments. Some of these will prove useful. The years of good service that can be had with this useful garden tool make it a practical investment.

The rotary hoe style cultivator is not too expensive and most members of the family will enjoy using it. It will save a lot of time. There is some pleasure in doing the job since you can work very close to the rows. Most rotary hoes have cultivators that can be used when soil conditions do not favor its use the regular way.

Come in Mighty Handy

There are many styles of hand cultivators. For some jobs they come in mighty handy in marking out and opening the rows. Some models have a seeder attachment that is very handy. For most gardeners finding the time necessary for tending it is more of a problem than getting it planted. But too many crops are planted too thick in the rows.

Other types of garden equipment needed on many farms are useful hand duster and sprayer. With all of this interest in and use of weed sprays, your family needs to reserve one sprayer solely for this weed purpose. Using the same one for weeds and bugs and diseases will often be too expensive. It may well be the cause of the new look noticed on many yard and garden crops.

Hand dusters come in many sizes and shapes. A style that is very convenient to use has a pint or quart Ma-

son-type glass jar to hold the dust. This has many other advantages. You will know whether you have any material left in the jar without taking it apart. You may have more than one mixture you use. With this quick-type attachment you do not need to dump out what is left and reload the duster with this other mixture. Just take off one jar, put on a lid, pick up and attach another jar that has what you need in it and go on about the job. Select a model that has a long nozzle. Many bugs are on the lower side of the foliage. Try to get the dust in contact with them.

For the average farm or town garden a large, expensive hand duster is not needed. A little graphite used on the plunger rubber occasionally will take care of the musical squeak too often noticed in the operation of the hand duster. In addition to owning a duster, learn to use it regularly, if possible, before you need to at least once a week. You will enjoy your garden work much more that way.

Many Styles of Sprayers

There are even more styles of sprayers than dusters. For many jobs, a 1- or 2-quart model will do the job. However, when you consider the wide number of uses that can be made of spray equipment around the farm, a 2- or 3-gallon size compressed-air type sprayer has several advantages. For once you have it ready and pumped up quite a sizable area can be treated before pumping it up again. More care in cleaning up the sprayer after it is used would give us much more service time.

Last but certainly not least in the list in importance is a good hand hoe. A small bladed hoe does a much better job around small seedlings close to the plants in the row. A lightweight hoe that feels good in your hands and has a good angle and balance to it will give added pleasure to the time you spend hoeing by hand. Then if you have a "she" garden and intend for "her" to use it, keep the hoe sharp and shined.

Two KSC Students Win Top Honors At Annual Little American Royal

GRAND CHAMPION honors in dairy and animal husbandry showings at 25th annual Little American Royal livestock show, at Kansas State College Fieldhouse March 28, went to Harold Tuma, Narka, and John Brink, Leroy, respectively. Mr. Tuma showed and fitted a Holstein cow and Mr. Brink, an Angus heifer.

More than 5,000 persons watched or took part in the annual event, started in 1934 as a livestock parade and exhibition at Farm and Home Week.

Reserve champion of the dairy division was Jerry Thompson, Fort Scott, with a Jersey heifer. Reserve champion in animal husbandry division was Ray Sis, Belleville, with a Duroc barrow.

Other winners: Sheep—Leo R. Wiederholt, Princeton, champion and Lorin Luginsland, Dunlap, reserve—Beef bulls, Jay Dooley, Topeka, champion; steers, Hugh McDonald, Waverly, champion; heifers, John Brink, Leroy, champion. Hogs: Poland China, Dick Pringle, Yates Center, Champion. Du-

rocs, Ray Sis, Belleville, champion. Horses: Max Teeter, Marquette, champion. Ayrshires: Cows, Walt Schoen, Cawker City, champion, and champion of Ayrshires; heifers, Joe Armstrong, Trent, Tex., champion. Jerseys: cows, Clarence Creger, Scammon, champion and reserve champion of Jerseys; heifers, Jerry Thompson, Fort Scott, champion and champion of Jerseys. Holsteins: cows, Harold Tuma, Narka, champion; Allen Phillips, Manhattan, reserve champion, heifers; Leonard Slyter, Paola, champion. Guernseys: cows, Bob Stutz, Utica, champion; heifers, Duane Trayler, El Dorado, champion and reserve champion of Guernseys.

Protect Your Flowers

Our dog persisted in lying in my favorite flower beds. The trick that made him move on was driving a few stakes into the ground and letting them protrude a few inches.—Mrs. A. E. H.

MAY IS WATER SYSTEMS MONTH

May is National Water Systems Month—this year it's the 5th consecutive event.

Electricity has made it possible for 3 million farms in America to become water-rich thru electric water systems during the last 20 years, and productive almost beyond belief. Yet there are still 2 million farms where farming is practiced without benefit of plenty of running water under pressure to speed work, increase output and boost profits by cutting costs. Installing an electric water system is not an expensive venture. Results are more than satisfactory.



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Two Ways To Boost

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Make better hay by timing the cutting closer, by saving more leaves and vital "color", by gentling it into the windrow and putting it up fast.

2

Get costs down where they belong with sustained capacity; with the instant response of the new Ford Tractor's Live-Action Hydraulic System and with the ample power of new Ford "Red Tiger" engine.



BETTER HAY "COMING UP"

... 8 minutes after the season opens!

Only 8 minutes after your good judgment says a crop is ready to cut, the Dearborn Rear Attached Mower can be ready to go—to give you big, clean-cutting capacity for full feedlot or market value. This mower has such frame strength and balance it needs no trail wheel. Smooth running V-belt drive, balanced moving parts, anti-friction bearings, modern pressure lubrication—all back Dearborn Rear Attached Mower success in cutting heavy hay crops. Dodge rocks or stumps or gopher hills at full cutting speed—new Ford Tractor Live-Action Hydraulic Control is there with instant response to lift the cutter bar out of danger. See this mower in 6 or 7-foot cut!



"GENTLES" HAY TO THE WINDROW

... to save Rich Leaves; store-up "Color"!

Fluffy, easy-to-pick-up windrows with loader, baler or forage harvester—that's the kind you make with the Dearborn Heavy Duty Side Delivery Rake. For this modern rake is angled, and has the "gentled" action of a floating, ground-driven reel to push (instead of whip!) hay into the windrow. It moves the hay only 7.8 feet, instead of the usual 11 feet from swath to windrow. It does clean work, too. And its ingenious inverting action tucks leaves inside; exposes stems to speed curing. Leaf loss is minimized—and you save "color" that's worth extra money in winter feed. Eight-foot raking width—weighs over 1000 pounds—built for long service. See the Dearborn Side Delivery Rake, for sure!



TURN WINDROWS INTO "PRODUCTION LINES"

with one-man Dearborn Hay Baler!

The new Dearborn Hay Baler can click out as many as 8 uniform, firmly-tied bales per minute—up to 10 tons per hour. Regular "production line" efficiency with a one-man crew. Has wide "floating" pickup for clean hay saving. Fast, sure-acting auger and sweep fork for positive feed. Its large plunger compresses a charge of hay even while tying bales. Ingenious twine tension release while tying helps you get firm knots—save twine—avoid "misses". Powered by 25 hp. engine for big capacity. See this new baler soon!

Let your nearby Ford Tractor dealer give you full information about Dearborn Hay Equipment including the Dearborn Baler and Forage Harvester. And remember, you can buy this equipment including the new Ford Tractor on a convenient payment plan that suits your situation!



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Heavy-Duty HI-V-I Mil-O-2104 grade oil cuts consumption top! It's more economical to use this premium motor oil! And... your passenger car engine needs its extra protection, as much as your truck and farm machinery engines need it!



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Make Excellent Progress Planning Soil Conservation Work

WALNUT CREEK Watershed Association, in Brown county, is making excellent progress lining up support of local farmers for soil conservation planning. We had the pleasure recently of attending a meeting of 2 Walnut Creek sub-district watershed associations—Terrapin and Mulberry.

Terrapin Creek Sub-district Watershed Association was organized in 1951 right after the big floods. Of the 85 landowners in the district, 70 per cent already are signed up for complete soil conservation plans. As soon as all landowners are signed up for conservation plans, the association then will seek federal aid for watershed treatment.

Mulberry Creek Sub-District Watershed Association involves about 90 landowners with 80 per cent already signed up with SCS.

Two directors of the Mulberry sub-district have hit upon a novel idea. Elmer Middendorf and A. H. Money have drawn up a map of their sub-district showing exact status of soil conservation projects on every farm. Says Mr. Middendorf: "We plan to bring this map up-to-date every month so everyone living in the sub-district

knows exactly what progress is being made. By using this map we know where to put our efforts to speed up work in any area where it is lagging."

Jud Smith, of Morrill, a retired farmer but enthusiastic conservationist, spoke at the meeting. He said, "Floods are shocking events. It takes co-operation to remedy the situation. First, take care of your own problems, then interest your neighbor."

Herschel Boyd, work unit conservationist for Brown county, said 30 per cent of terracing on farms in the 2 sub-districts is completed and 45 to 50 per cent of the waterways.

Alonso Lambertson, Fairview, vice-president of the Walnut Creek Watershed Association, stated the association is just beginning to function effectively. "We need to spend more time signing up active members for the association," he explained.

Those attending the Morrill meeting, which was sponsored by the Morrill Chamber of Commerce and Kiwanis Club, saw moving pictures of watershed treatment program in the Salt-Wahoo area of Nebraska, and slides of Brown county soil conservation work.

Plan Program of Double Interest For Livestock Feeders' Day

A PROGRAM to please both men and women has been planned for the 40th Annual Livestock Feeders' Day at Kansas State College, Manhattan, Saturday, May 2.

Women will get a head start Friday evening, May 1, when the Kansas Cow Belles sponsor a "Dutch Treat Dinner" at the Gillette Hotel. Presiding for the program will be Mrs. Floyd Casement, Sedan, president of the Cow Belles.

On Saturday morning, 9:30 o'clock, members of the animal husbandry department at the college will explain various experimental work in progress. This program will be held at the experimental feed lots and will include reports on beef cattle, sheep and hogs.

Luncheon will be served by student members of the Block and Bridle Club in the new Kansas State fieldhouse.

There will be several highlights in the afternoon program, held at the fieldhouse, starting at 1:30 o'clock. One of these will be presentation to Kansas State College of a portrait of Dr. A. D. Weber, dean of the School of Agriculture and director of the Kansas Experiment Station.

A. L. Ward, Dallas, Tex., director of the National Cottonseed Products Association, will be guest speaker of the afternoon. Winners of the Beef Production Contest will receive awards from Walter H. Atzenweiler, agricultural commissioner of the Kansas City, Mo., Chamber of Commerce.

Earl Kielhorn, Cambridge, president of the Kansas Livestock Association,

will preside at the afternoon meeting.

Women attending for the day will have a coffee hour at Calvin Lounge in the home economics building at 9:30 o'clock, will join men at the fieldhouse for lunch and then will have a program of their own at the engineering lecture room on the campus.

Thank You

Enjoy reading *Kansas Farmer* and all the helpful hints and recipes.—Mrs. W. L. Somers, Goodland, Rt. 1.

Kansan Writes Book on Tornadoes

A Kansan has written what is probably the most complete book ever published on tornadoes. S. D. Flora, retired U. S. Weather Bureau meteorologist, is author of "Tornadoes of the United States." In addition to telling all about these unusual storms, the book gives ways of saving human lives when a tornado strikes. It's superbly illustrated from Mr. Flora's collection of pictures, and with many others. From 1917 to 1949 the author was section director of the Climatological Service of the Weather Bureau in Topeka, writes with authority. The book is available from University of Oklahoma Press, Norman, Okla. Price, \$3.50.

I WONDER HOW THAT STARTED . . .

"DON'T BE A GOOSE!"

This old saying began in Northern Europe, spread to many parts of the world. However, the Mediterranean people didn't share this saying, believing the goose isn't inept and stupid but is intelligent.

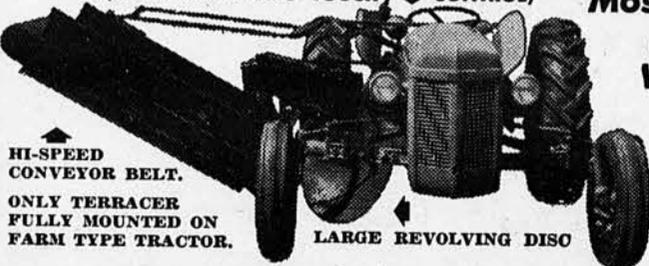
Many geese live to an old age. This fact alone should back up the argument that a goose is an alert, careful, smart bird! There are many cases on record where geese have lived to be 75, and one record of one living to ripe old age of 101 years! Roman historians paid tribute to geese as watchdogs! Tho a good goose may be kept for 25 years, a gander, especially for breeding purposes, is useless after about 8 years.



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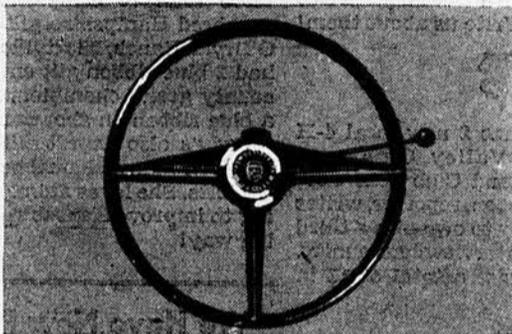


Deluxe cab illustrated

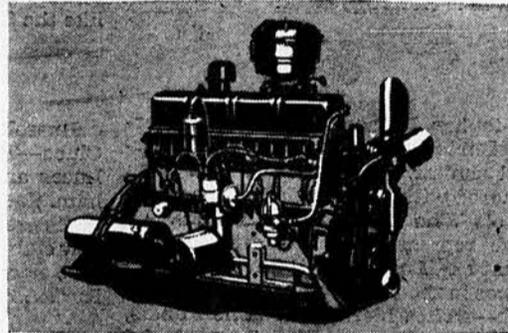
NEW 6½-FT. PICKUP box has new rigid, clamp-tight tailgate.



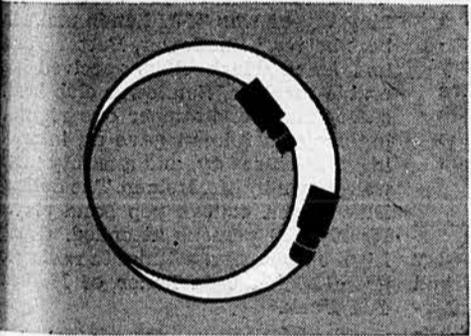
NEW "DRIVERIZED" CABS cut driver fatigue! One-piece curved windshield; 55% bigger. I-REST tinted glass (extra cost). Even the "Missus" will want to drive.



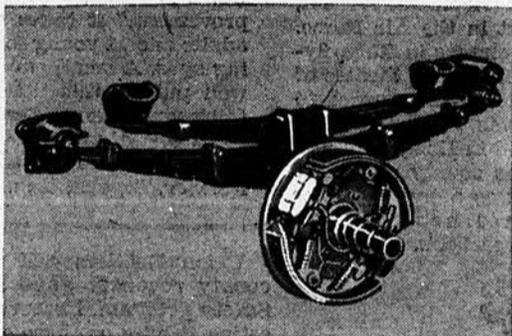
NEW SYNCHRO-SILENT transmissions for easier shifting—on all models, and at no extra cost. New *Fordomatic Drive* or *Overdrive* on F-100 at extra cost.



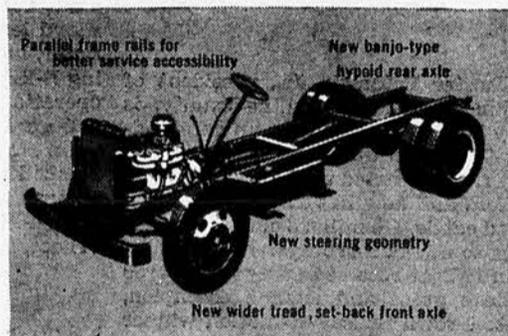
NEW LOW-FRICTION POWER in 3 overhead-valve engines—*Cost Clipper Six*, *Cargo King V-8's*. Five engines in all with famous *Truck V-8* and *Big Six*.



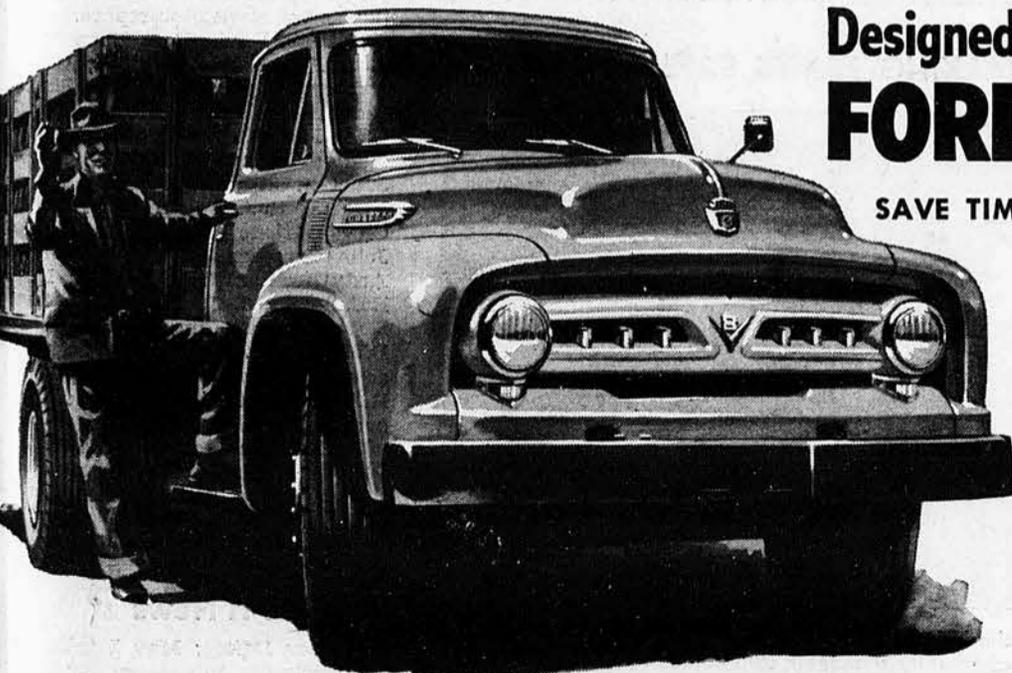
NEW SHORT TURNING for better maneuverability. New wider tread gives 37° steering angle. New set-back axle shortens wheelbase, improves weight distribution without reducing capacity.



NEW SPRINGS! NEW BRAKES! Longer front and rear springs for easier ride, longer life! New self-energizing brakes for better control . . . double-cylinder type on new Ford Truck Series 500 and 600.



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News of Kansas 4-H Clubs

By GORDON WEST

SPRING ROBINS is newest 4-H Club in Harper county. It was organized in the Spring community and sponsors are members of Spring Home Demonstration Unit, who got adult leaders. Sherry Henderson, president, will lead the club in 1953. Other officers elected: Sandra Walker, vice-president; Dixie Dee Croft, secretary-treasurer; Jerry Turner, reporter. Community leaders are Mrs. Floyd Younce and Carl Wheaton. Food leaders are Mrs. Harry Turner and Mrs. Jim Sharp. Mrs. Bill Powell is clothing leader.



Stephen, Ray and Lois Ann Kimberlin, Barton county, have reached several similar 4-H goals. All have been honored with membership in the State Who's Who Club for top 4-H'ers. All have represented their club at the county 4-H council. All have held high offices in their local club—Smilin' Thru club—writes Merridith Elaine Fundis, reporter. All have carried successful livestock projects, given talks and demonstrations on project work, and represented their county at regional or state events.



Chester Peterson, Jr., president of Falun 4-H Club in Saline county, is only 15 years old but has an outstanding 4-H career underway. In club work 9 years, he started with 2 Brown Swiss heifers and now has 17 head of registered cattle. He milks 8 cows before he goes to school mornings.

In 1952 he received many top awards—state grass and legume champion, state Brown Swiss production winner (won a trip to Waterloo, Ia.), champion Brown Swiss heifer at Topeka Free Fair and reserve champion at State Fair, and county wheat champion. In 1951 he was state soil conservation champion in the junior division, writes Roberta Swenson. He learns by doing.



Tiny Toilers 4-H Club, in Pawnee county, has 17 members enrolled in junior leadership project. At a recent meeting Mrs. Walter Lewis explained duties of these young leaders and notebooks each is to keep. Each junior leader has volunteered to take on a smaller member as a younger brother or sister. They'll explain projects, help them complete records, help them learn 4-H pledge, motto, colors. One junior leader is helping organize a band, another is planning a room improvement tour, 2 others are taking pictures of club activities, one is in charge of club conservation project, one supervises health project, others are putting up "welcome" signs. Rhonda Johnson, reporter, says all have specific duties, to make their club better.



Highland 4-H Club in Doniphan county and the community owe much to the G. W. Smith family for their continuous interest in 4-H work. Rosemary Gladhart, reporter, says the late Mr. and Mrs. G. W. Smith and C. E. Lyness started the first 4-H Club in Highland 29 years ago. The Smiths

were leaders that first year and Mrs. C. I. Smith was one of the assistant leaders. Fred and George Smith were charter members, and George was a community leader 10 years. Recently 10-year pins were given Lillie and Beryl Smith for leadership. Mrs. Hattie Smith Batchelder was a member of the club 10 years. Grandchildren of the late Mr. and Mrs. G. W. Smith who belong to the club in 1953 are F. B., Lille, Tommy and Gilbert. A remarkable family record! Do you know of other 4-H Clubs with a family service like the Smiths? Write us about them!



Russell county has 2 new local 4-H Clubs—Pleasant Valley Club near Lucas and Wheatland Club near Gorham. Kathryn Johnson, reporter, writes plans are under way to organize a third new club, in the Centerview community. Two new clubs make a total of 11 in Russell county.



What Ever Happened to? Department: Floyd Bacon is county 4-H agent in Butler county. In 1943, when a Kansas State College agricultural student, Floyd left to enlist in the Air Force. Later, he served overseas in Italy, flying B-24's, was in European theatre of operations 13 months. He returned to college in 1946, was graduated that year. He has served in Hodgeman and Haskell counties as county agent. At Kansas State he was active in Collegiate 4-H Club, served on staff of Who's Who, state 4-H yearbook.



Altho Judy Olson, Clark Creek 4-H Club in Geary county, is only 12 years old she's already well-known at state livestock shows. This past club year brought her many thrills, ribbons and prizes.

At 1952 Wichita Fat Stock Show she received purple ribbons on her 2 beef entries and a blue ribbon on fitting and

showing beef. At the 1952 Kansas Free Fair, Judy had grand champion Hereford and blue-ribbon Angus calf. At her county fair she showed the grand champion Angus and reserve champion Hereford.

In 1949, while still an associate member, she had champion gilt of her county show, also showed a blue-ribbon Poland China barrow. In 1950 Judy received 3 blue ribbons on her pig exhibits; 2 were grand champions. At a statewide show



Judy Olson shows some prize swine.

and sale at Kansas City she bested more than 70 competitors to win a purebred Hampshire gilt given by the O'Bryan Ranch, Hiattville. In 1951 Judy had 2 blue-ribbon gilt entries; one was county grand champion. She also won a blue ribbon on showmanship.

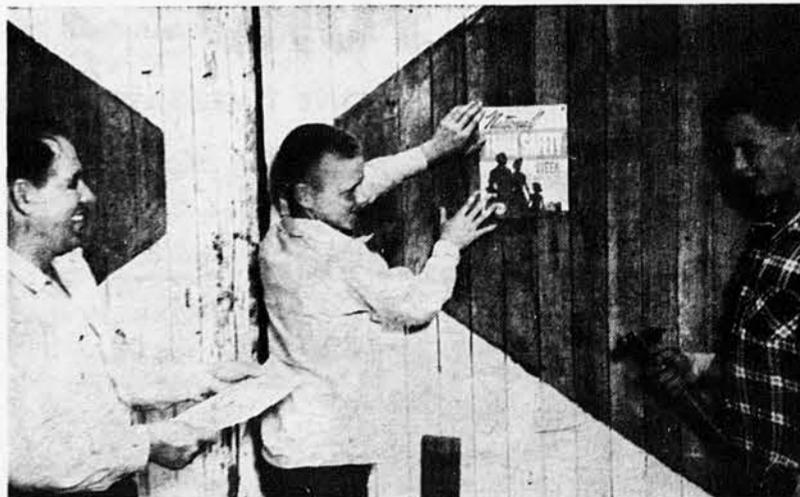
Judy's also expert with the needle, has won many blue ribbons on sewing exhibits. She loves animals and is helping to improve Kansas agriculture in a big way!

We Have New Playlet For a 4-H Club Group

Something new in the way of entertainment for the community is our new playlet about 4-H Club work. Entitled, "A Room for Improvement," it takes a cast of 4 adults and 11 young folks of varying ages. A small club could very well put on this little play. We think you'll like it. Send 5 cents to cover cost of mailing. Address the Home Service Editor, *Kansas Farmer*, Topeka, Kan.

Union Rustlers 4-H Club in Clay county recently gave a Health and Safety program. Featured were interesting movies on these subjects: "Exploring With X-Rays" and "Then Came July 5th," sent by the State Board of Health. Talks were given on "Care of the Scalp" by Betty Alexander; "Precautions for the Common Cold" by Arletta Hicks, and "What to Do If" by Karen Guy. Leaflets on first aid and swimming were passed out to the group, writes Karen Guy, reporter.

MAKING FARMS SAFE



USING FARM SAFETY check sheet, Delphos 4-H Club members inspected farms for hazards in their community and their campaign brought results. Club members first toured farms and marked hazards that needed correction. Later they returned to pick up check sheets and see that hazards had been corrected. As another reminder, they posted farm safety posters in conspicuous spots like this one going up on the barn door at the farm of Mr. and Mrs. Lloyd Copple. Sons Rex, left, and Don, put up the poster as Louis Cooper, county agent, discusses some of the farm's safety problems with them.

Richland Rustlers 4-H Club Wins Again!

For the second consecutive year, the Richland Rustlers 4-H Club of Pratt county has received a national award from Freedom Foundation, Valley Forge, Pa., for citizenship activities.

The Kansas club was one of two 4-H Clubs in the Nation to receive a community award for promoting the American way of life. The club emphasizes citizenship training—getting out the vote, community and club programs, promotional talks, health and safety activities, model meeting competition helping a foreign family.

Elaine Lunt, president, received George Washington medal award and a \$100 cash award this year. She was one of 4 members in the Nation to be so honored. Her award was for a talk "Americanizing Anna." *Kansas Farmer* issue of July 19, 1952, brought you a picture and story about Miss Lunt and the August 16, 1952, issue carried a story on the club's winning the 1952 award. Miss Lunt is state champion national reserve champion in public speaking in 4-H work.

Celebrated 4-H Week

McPherson county 4-H'ers celebrate National 4-H Week last month in a big way, reports county club agent Stanley Meinen.

Starting off the week was a leadership banquet Saturday night, March 7, and ending the activities was a big membership party the next Saturday night. About 130 leaders and guests attended the first event, and nearly 400 members, leaders, parents and guests attended the membership banquet.

During the week, 11 of the 18 clubs in the county set up window displays in local stores. County council gave a plaque for best display, to Golden Opportunity club. Theme of their winning layout was "4-H hands make the best better." Sunflower, Better Farm and Meadowlark clubs received honorable mention. Sunflower club held a safety rally and supper one night. A highway patrolman gave an interesting talk on safety, and a safety movie was shown by Mr. Meinen. The Bethany Blue Dozen college pep band played. Nearly 150 persons attended. County Lime club gave a 15-minute radio program March 7 in honor of National 4-H Week.

Reporters Enter State 4-H Contest

Here is the third list of 4-H Club news reporters who have written *Kansas Farmer* for information on 1952 State 4-H Reporters contest. To each we've mailed one of our "Suggestion Sheets" of stories to prepare.

Patricia Davis, R. 2, Harper; Mary Jane Pyke, R. 1, Abilene; Gertrude Harvey, Collyer; Kay Reiter, Simpson; Bernard J. Ohnmacht, R. 1, Box 135, Otis; Rosemary Gladhart, Highland; Audrey Langvardt, 204 S. Madison, Junction City; Karen Sisson, R. 1, Alta Vista; Ruth Ann Collins, R. 1, Junction City; Darlene Walters, R. 1, Milford; John Cameron, R. 2, Junction City; Ardyth Thompson, Inman; Norma Ruhnke, R. 1, Junction City; Sharon Hartung, R. 2, Junction City; Donald Dibben, R. 2, Junction City; John Ramsour, R. 3, Junction City; Sally Powers, R. 4, Junction City, and Mark K. Munson, R. 3, Junction City.

Several leaders have written also. Any 4-H reporter is welcome to enter the contest, of which *Kansas Farmer* is sponsor.

Likes 4-H News

Dear Editor: May I take this opportunity to express our gratitude to you for your support and interest in 4-H Club work?—Lou Ann Woods, reporter, Mulvane 4-H Club, Sedgwick county.

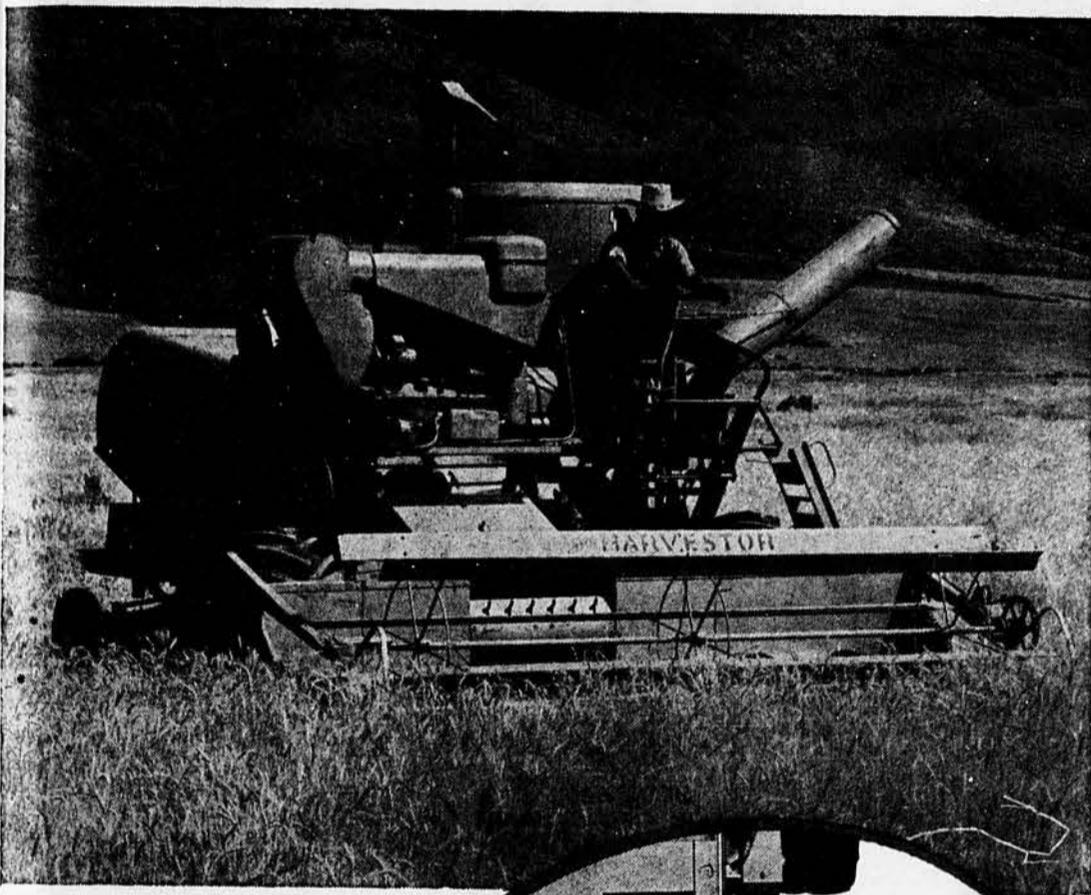
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POWERflow HARVESTOR

Here's the Harvester built to give you lowest cost harvesting per bushel, per acre, per dollar invested...with less work

Now, big-capacity harvesting is an easier job than ever before—with the MM Self-Propelled POWERflow HARVESTOR equipped with new POWERflow Power Steering. MM Power Steering means less work, easier steering, better performance. And, the new Self-Propelled Harvester gives you Many More new advantages . . . adds POWERflow Steering to the long list of Minneapolis-Moline harvesting "firsts."

It was MM that built the first big-capacity, light-weight combine weighing nearly a ton less than previous combines of its size . . . and it's MM that leads the field with Power Steering on the pace-setting, self-propelled POWERflow Harvester. Add POWERflow Steering to such outstanding POWERflow advantages as the VARIABLE-SPEED HYDRAULIC DRIVE that permits control of ground speed from 0 to maximum mph without changing speeds of sickle, pickup or cylinder . . . FULL-WIDTH cylinder with 8 rasp bars and 4-section oscillating straw racks for really big capacity . . . 45-bushel grain tank and Power Auger unloader that empties bin in about a minute, on the go or standing.

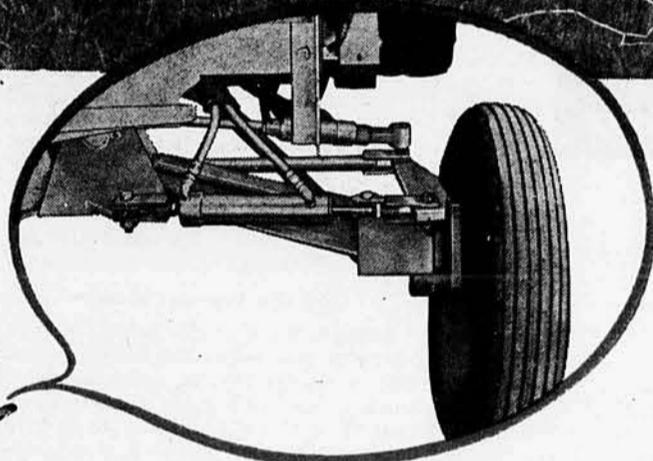
Here's how MM Hydraulics reduce your work...cut your harvesting costs

Model S Harvestors come to you with exclusive POWERflow drive . . . the hydraulic drive system that lets you stop without declutching . . . change ground speed without changing speed of cutting, threshing, or separating mechanisms. Hydraulic UNI-MATIC power regulates cutting height from 0 to 41 inches . . . with finger-tip control from the operator's seat. Now, MM is first to take the next forward step with POWER STEERING!

This is how MM Power Steering works

When you see the S Harvester at your MM dealer's, examine the double-acting POWERflow Steering mechanism. Mounted on rear drive wheels, POWERflow Steering takes its power from the ample hydraulic pump. Steering wheel activates double-acting hydraulic jacks. System has a special reserve valve for extra-safe operation under all conditions.

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What MM Powerflow Steering does for you...

You have to get into the operator's seat to believe that you could handle this big-capacity, self-propelled Harvester with such steering ease. No more wrestling out of ruts, just turn the wheel. No more dead-tired days. POWERflow Steering makes your work far easier . . . enables you to do more. And, POWERflow Steering gives quicker steering response, too . . . really takes the work out of running this MM Harvester.

SEE YOUR MM DEALER. HE, ALONE, CAN SHOW YOU THE SELF-PROPELLED 'S' HARVESTOR WITH POWERflow STEERING and THESE BIG ADVANTAGES!

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Overcome low egg production, run-down, unprofitable poultry . . . give your birds DR. LEGEAR'S PLUS Combined With POULTRY PRESCRIPTION. It's guaranteed to stop nutritional diseases and, at the same time, it gives your flock the tonic boost needed for healthy appetites, high egg production and greater profits.



FASTER START...

A fast start free of any nutritional set-back is guaranteed when you add Dr. LeGear's Plus combined with Poultry Prescription to the feed for the first three weeks. It gives your baby chicks the vitamins, minerals and antibiotic needed for fast growth, rapid feathering and high natural resistance to nutritional diseases. A fast start leads to real profits for the poultry raiser.

MORE EGG PRODUCTION...

Actual tests made on the Dr. LeGear Research Farm showed that birds receiving Dr. LeGear's Plus combined with Poultry Prescription laid up to 36% more eggs. The size and quality of the eggs were far superior also. Figure it out for yourself . . . with the extra, high quality eggs you get by using Dr. LeGear's Plus combined with Poultry Prescription how much more money you will make from your flock.



BETTER HEALTH...EXTRA PROFITS



Scientific investigation has shown that 4 out of 5 poultry flocks suffer from nutritional deficiencies . . . And diseased flocks don't produce as they should and don't make the profit they should. For healthier birds . . . for more profitable birds, ask for Dr. LeGear's Plus combined with Poultry Prescription. Stop letting nutritional diseases rob you of profits . . . Start giving your birds . . .

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Farmers Union Co-op. Assn.</p> <p>CLYDE
LaBarge Drugs</p> <p>COFFEYVILLE
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R. L. Moore Hardware</p> <p>GALESBURG
C. C. Ducey Grain Co.</p> <p>GIRARD
Higgle's Drug Store</p> <p>JUNCTION CITY
Hart-Bartlett-Sturtevant Grain</p> <p>KANSAS CITY
Mason's Ice, Coal & Feed</p> <p>KELLOGG
Kellogg Farmers Union Co-op. Association</p> <p>LA CYGNE
Oberton Feed Store</p> | <p>LENORA
Lenora Mercantile Assn.</p> <p>LITTLE RIVER
Little River Co-op. Assn.</p> <p>MADISON
S and E Feed Company</p> <p>MILLARD
Peter L. Ochs Elevator</p> <p>NEODESHA
Self Service Grocery Stores</p> <p>NOBLET
Raney Drug Store</p> <p>OTTAWA
James Feed Store</p> <p>OXFORD
South Main Produce House</p> <p>OXFORD
Oxford Elevator, Bliss & Sons</p> <p>PIQUA
Farmers Union Co-op. Assn.</p> <p>SAINT FRANCIS
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And hogs that are free of worms make faster gains . . . get to market earlier. It pays to worm hogs the safe, sure way with Dr. LeGear's Hog Worm Powder.

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State FFA Convention at Manhattan April 27-28 Shows Teaching Results

By HELEN ANKENY



MEET 1952-53 Officers of Kansas Association of Future Farmers of America. Front row, left to right: Kermit Case, Little River, reporter; Ralph Braun, Council Grove, secretary; Billy Ray James, Clay Center, president. Back row, left to right: Gary Neilan, St. Francis, treasurer; Harrell Guard, Beloit, vice-president.

"THE Vocational Agricultural course in the country high schools of the United States with its allied system of farm projects carried by boys as members of the Future Farmers of America organizations, is among the triumphs of American education," writes Martin Wilson, Director of Education, County of Shropshire, England, in a recent article in the Manchester Guardian Weekly.

The article was written by Mr. Wilson after studying Vocational Agriculture firsthand in the United States. "To all this the Vocational Agriculture teacher is the key," Wilson said.

Culmination of the past year's work by teachers of Vocational Agriculture with 6,000 Future Farmers in Kansas, will be brought into focus on April 27 and 28 and results of their teaching shown. Then, the 30th annual state high school Vocational Agriculture judging and farm mechanics contest, and the 25th annual program of the Kansas Association of Future Farmers of America are held at Kansas State College, Manhattan.

All Did Superior Work

Some 1,600 blue-jacketed Future Farmers will be at the college, boys who have excelled in doing superior work in following thru on lessons taught in the classroom; boys who have shown their proficiency in judg-

ing livestock, poultry, and crops; boys who are skilled in the field of farm mechanics. These are the young farmers who will match their skill in competing for topnotch honors in annual judging and farm mechanics events.

In the group also will be first-place winners in district oratorical contests who will vie for honors in the state FFA public speaking contest. Winner will represent Kansas in the regional and national FFA speech contests this fall.

There also will be on the campus boys who have been honored by their chapter by being selected as official delegates to the FFA House of Delegates. They will transact annual business of the state association and lay plans for the future; elect new state officers, and elect from the 183 applications for the State Farmer degree, boys who have successfully met the qualifications for the degree. Not all of the 183 applicants for the State Farmer degree, highest degree awarded by a state association, will be successful. Requirements are high and not always met by the boys in their first try for the coveted honor. Those who meet requirements will be awarded the degree on April 27.

Last year, 125 teams made up of 3 men each, coming from all sections of Kansas, participated in judging at the (Continued on Page 23)

GRANDMA By Charles Kuhn



PROTECTION FOR SLO-MO-SHUN

19th annual state contest. Number of entries will no doubt be larger than that of last year, for competition promises to be keen. The annual contest is one of the high points of the year for the Future Farmers, not only for the chance it gives them to pit their skill against high-ranking teams in the state but because of the experience.

From results of judging contests, winning teams will be chosen to represent Kansas at the national FFA judging contests October 5 to 7 at Waterloo, Ia. National contests in judging livestock, meats, and poultry will be held October 13 to 15 at Kansas City, Mo.

Another contest which creates much interest and good natured rivalry is the Better Chapter contest. All year long chapter members are busy doing their best to accomplish achievement goals set up early in the year in their work program. Chapters entering the contest are rated as gold, silver, and bronze emblem winners.

Award More Than Doubled

Each year state awards for improving agriculture and leadership are given by the FFA Foundation, Inc. Kansas always has participated in this award. In the past this award has been equally distributed between the Gold Emblem chapter winners in Kansas. The 1953 cash award has been more than doubled in amount and Kansas hopes to divide the allotment between both Gold Emblem and Silver Emblem chapter winners, gold emblem winners to receive 20 per cent more than the Silver Emblem group. All award monies distributed for this project in Kansas must be used for chapter betterment.

This year for the first time in the 25-year history of the Kansas FFA Association, the House of Delegates will hold its meeting in the college auditorium. There will be ample room for visitors, and it is hoped many parents and others interested will attend.

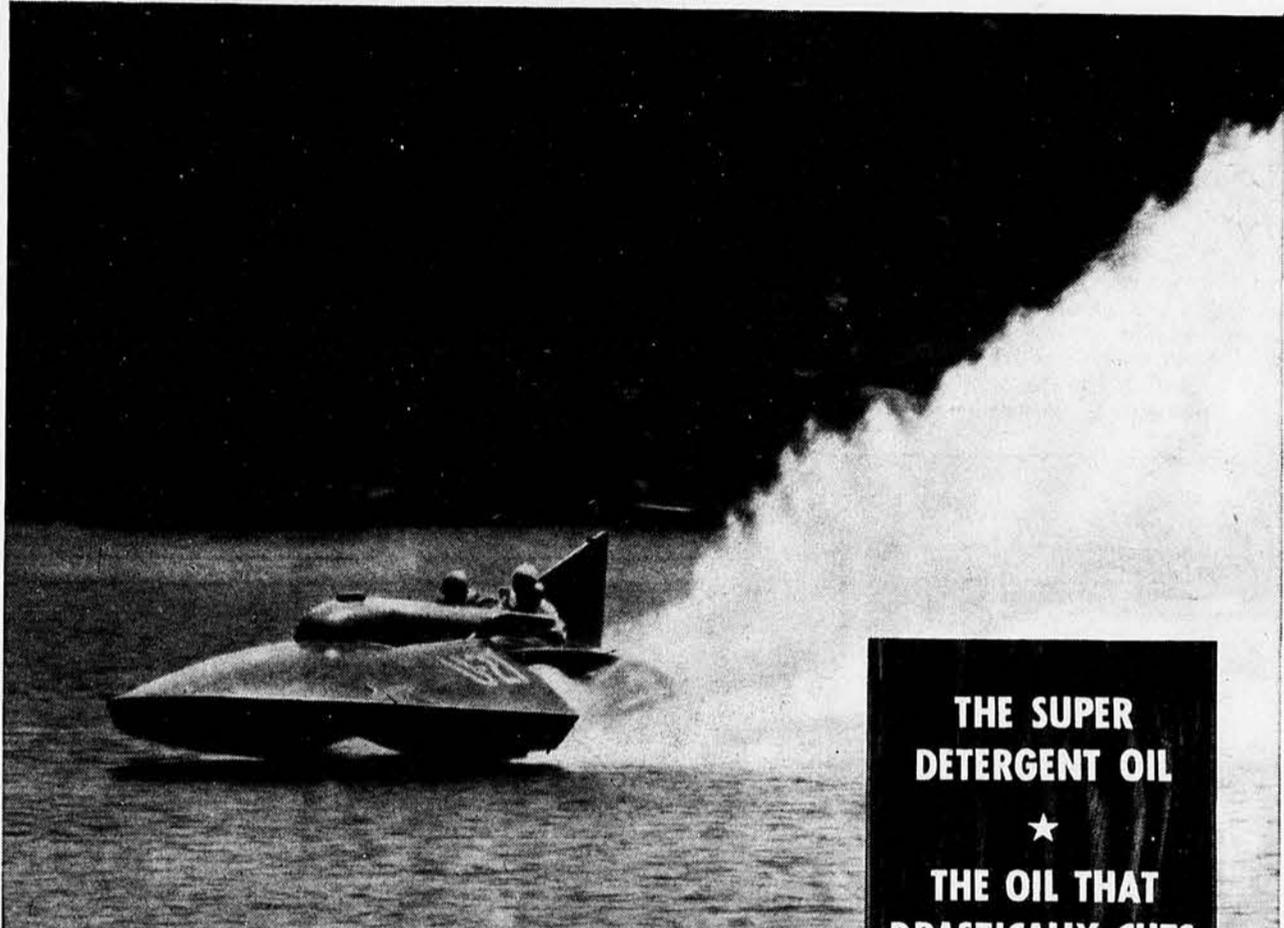
An added highlight to the 1953 FFA convention will be visit of Fred Reed, national vice-president, Hindsville, Ark. He is a past president of the Arkansas Association of FFA, won the state FFA speech contest in 1949, was a member of the national FFA band in 1950. His main farming interest is dairying. He will talk on, "I Believe in the Future of Farming." He also will bring greetings from the national organization to the annual FFA banquet Tuesday evening, April 28, by the Manhattan Chamber of Commerce. Fred Reed is a University of Arkansas junior. This year, according to Kenny L. Ford, alumni secretary, in charge of housing, judging contestants will sleep in the new college fieldhouse.

Plans Made Early

Plans were made for the contests and the FFA meeting early in January when Prof. L. F. Payne, chairman, called his college contest committee together. On the committee were Dean A. D. Weber, F. W. Atkeson, F. C. Fenton, Rufus Cox, George Montgomery, Ray Olson, and A. P. Davidson. Others attending the meeting included L. B. Polom, Topeka, supervisor of Vocational Agriculture education in Kansas and adviser of the State FFA Association; Bud Fisher, Chamber of Commerce; F. W. Bell, Milton Manuel, E. L. Mader, T. B. Avery, H. L. Kiger, C. D. Mueller, L. F. Hall, H. R. Bradley, Kansas State College; and J. W. Taylor, Vocational Agriculture instructor, Manhattan.

State president Billy Ray James, Clay Center, will preside over all state meetings. Assisting him will be: Harrell Guard, Beloit, vice-president; Ralph Braun, Council Grove, secretary; Kermit Case, Little River, reporter, and Gary Neilan, St. Francis, treasurer. Adult leaders include: L. B. Pollom, state adviser; A. P. Davidson, Manhattan, deputy adviser; and L. F. Hall, Manhattan, executive secretary.

This year's convention celebrates the silver anniversary of the Future Farmers of America, organized in Kansas City, Mo., in November, 1928. The national organization will observe its silver anniversary at their annual meeting in Kansas City.



Mobiloil

Why Accept Less

for Your Car or Farm Equipment!



Slo-Mo-Shun IV—world's fastest boat and Gold Cup Champion—streaked to a new world's power boat record of 178.497 m.p.h.—with Mobiloil!*

Your farm engines, too, need the same record-breaking protection . . . get it with triple-action Mobiloil. This heavy-duty super-detergent motor oil drastically reduces engine wear . . . improves oil and fuel economy . . . keeps your farm equipment on the job longer with fewer repairs or overhauls.

For the right lubricant for all your farm needs insist on Mobil Farm Lubrication.

*Mobiloil—Suitable for API service designations ML, MM, MS, DG

THE SUPER
DETERGENT OIL
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THE OIL THAT
DRASTICALLY CUTS
ENGINE WEAR
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THE OIL THAT
SAVES OIL
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THE WORLD'S
LARGEST
SELLER



Call In Your Mobilgas-Mobiloil Man!

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

you can afford a Dempster Water System...

It pays for itself!

By cutting chore time to a minimum, running water helps pay for itself. You have more time to spend in the field . . . more time to produce the crops that bring in the biggest share of your income. And a constant, easily available supply of fresh running water makes money for you in the feedlot and henhouse, too. With plenty of water, stock gains faster . . . hens lay more and better eggs. The modern farm can't afford to be without running water. It pays for itself! And the best of all water systems is Dempster. To find out how easy it is to own a Dempster Water System, just ask your Dempster dealer for a free estimate on installation.



FULLY GUARANTEED, like all Dempsters, this Deep-Well Ejector is excellent for pumping water over 25 feet vertical distance.

YOU SAVE POWER with the Dempster Reciprocating Shallow-Well Pump, designed to deliver large quantities of water at low cost from nearby wells or cisterns.

INEXPENSIVE AND COMPACT is this Dempster Shallow-Well Ejector Pump. It is self-priming with only one moving part.

ESPECIALLY EFFICIENT is the positive-lubricated Dempster Reciprocating Deep-Well Pump. It's the extra-thrifty member of the Dempster line.

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WATER SUPPLY EQUIPMENT

**When You Visit Your Local Dealer,
Ask for
PRODUCTS ADVERTISED IN THIS ISSUE.
You Can Depend on Their Quality!**

Cutting Weeds

is good farming

ROOF

is the Best Weed Cutter

It's a brand new Roof Weed Cutter—still the best! New self-propel unit eliminates slippage, makes control easier. Choice of 3 h.p. Clinton or 6 h.p. Wisconsin heavy-duty motor. Cuts clean within 1/4" of fence rows, buildings. See your dealer or write—

ROOF Welding Works

Pontiac 6, Illinois

- Fingertip Control
- Lock-In Self-Propel
- Choice of 2 Motors
- Versatile Attachments

COMING EVENTS

- April 18—Dickinson county lamb and wool show, Abilene.
- April 18—Lincoln county Hereford show, Floyd Blanding farm, 1 mile north of Barnard, 10 A. M.
- April 20—Ness county district Holstein show, Ness City county fairgrounds.
- April 20—Ellis county grain sanitation meeting with Jess Smith of Kansas City, president of Kansas Wheat Improvement Association; Dell E. Gates and D. A. Wilburs of KSC, Hays, 1:30 P. M.
- April 21—Dickinson county landscaping and farmstead improvement demonstration, Edgar Henrik farm, Woodbine.
- April 21—Cowley county land judging school, Winfield, 10 A. M.
- April 21—Saline county grain sanitation meeting, Sallina, 1:30 P. M.
- April 21—Neosho county district Farm Management Association meeting, Chanute.
- April 21-23—Mitchell county industrial farm and home show, Beloit, beginning 1:30 P. M.
- April 22—Neosho county land judging school, Erie, 1 P. M.
- April 22—Thomas county grain sanitation meeting, Colby, 1:30 P. M.
- April 22—Linn county special interests meeting on care and repair of electrical appliances with Harold Ramsour of KSC, Mound City.
- April 22—Smith county Northwest district planning conference, Smith Center community hall, 10 A. M. to 3 P. M.
- April 22—Doniphan county care and repair of home appliances, Troy, 10 A. M. to 3 P. M.
- April 22—Clay county demonstration on structure, windbreaks and landscaping.
- April 22—Kearny county Farm Management Association spring summary meeting, Lakin.
- April 23—Kiowa county home demonstration spring tea, Greensburg, 10 A. M.
- April 23—Butler county Farm Management Association summary meeting, El Dorado 4-H building.
- April 23—Graham county landscaping school, Bill Goddard residence, Penikee, 1 P. M.
- April 23—Ford county grain sanitation meeting, Dodge City, Lora Locke Hotel, 1:30 P. M.
- April 23—Lamb and wool school, Wichita.
- April 23—Cherokee county farm visits with M. A. Seaton of KSC.
- April 23—Butler county Farm Management Association summary meeting.
- April 23—Hamilton county spring outlook meeting, Syracuse.
- April 24—Rawlins county balanced farming and family living demonstration, Bowles farm, 1:30 P. M.
- April 24—Summer county Angus field day, Caldwell, 10 A. M.
- April 24—Woodson county Farm Management Association No. 6 meeting, Iola.
- April 24—Barton county leader training school in lampshade making with Ellen Batchelor of KSC.
- April 24—Reno county grain sanitation meeting, Hutchinson, 1:30 P. M.
- April 24—Fort Hays Roundup and Feeders Day, Hays.
- April 24—Rawlins county landscape and farmstead layout demonstration meeting.
- April 24—Grant county 4-H leader training school with Raymond Fort of KSC, Ulysses 4-H building, 10 A. M.
- April 25—Sumner county spring Hereford show, Caldwell, 10 A. M.
- April 25—Osage county 4-H Club feeders' day, B. N. Cooper farm, Carbondale, 10 A. M.
- April 25—Finney county district 4-H tractor maintenance field day, Garden City fair grounds, 9 A. M.
- April 25—Fort Hays judging school contests, Hays.
- April 27—Osage county lamb and wool show, Osage City, 10 A. M.
- April 27-May 1—Barton county, Kansas, recreation workshop, 4-H encampment building, state fairgrounds.
- April 27—Elk county National Home Demonstration Week celebration, Iola.
- April 27-28—State FFA 25th annual meet, Manhattan.
- April 27—Elk county Livestock Association educational night meeting on taxes, Howard building, 8 P. M.
- April 27-28—State high school judging tests, Manhattan.
- April 28—Dickinson county land judging school.
- April 28—Norton county one-way adjustment and terrace maintenance demonstration, 10 A.
- April 28—Norton county terrace maintenance and tillage demonstration.
- April 28—Jewell county contour farming demonstration, 10 A. M.
- April 28—Osage county Farm Management Association summary meeting, Lyndon.
- April 29—Sumner county Ayrshire spring show, Wellington 4-H Club building, 10 A. M.
- April 29-30—Lamb and wool school, Kansas City.
- April 29—Chautauqua county housing demonstration with Vera May Ellithorpe and Raymond L. Everson, of KSC.
- April 29—Riley county poultry tour to structures, equipment.
- April 29—Jewell county tillage and soil conservation demonstration, Mankato, 2 P. M.
- April 30—Barton county-wide home demonstration spring tea, Hoisington.
- May 1—Barton county leader training school in lampshade making with Ellen Batchelor of KSC.
- May 1—Butler county rural housing demonstration with Vera May Ellithorpe and Raymond L. Everson of KSC.
- May 1—Osage county Home Demonstration unit tea, Carbondale, 2 P. M.
- May 2—40th annual Livestock Feeders' Day, Manhattan.
- May 3—Wabaunsee county 4-H Club roundtable, Onaga, 1 P. M. All Kansas 4-H members eligible to enter.
- May 3-9—National Home Demonstration Week, Barton county beef tour.
- May 4—Mitchell county sheep and wool show, Beloit fair grounds, 9 A. M.
- May 4—Doniphan county National Home Demonstration Week observance, 819 Commerce Street, Atchison, 9:30 A. M. to 3:00 P. M.
- May 4—Graham county Milking Short-horn judging school for 4-H and FFA members, Graham county fairgrounds, Hill City, 10 A. M. This judging school is sponsored by breeder the Graham county area for all 4-H and FFA members in the Northwestern section of the state.
- May 4—Gray county crops tour, 1:30 P. M.
- May 5—Edwards county annual Balance Farming and family living field day, Russell Taylor home, 4 miles east of Kinsley on US 9 A. M.
- May 5—Republic county lamb and wool show, Belleville, 10 A. M. to 3 P. M.
- May 5—Ford county district Milking Short-horn show, Dodge City fair grounds, 9 A. M.
- May 6—Barton county home economics advisory luncheon and program planning meeting, Hoisington.
- May 6—Clay county grass tour.
- May 6-7—Lamb and wool school, Ft. Scott.
- May 7—Barton county district home demonstration meeting, Larned.
- May 7—Shawnee county poultry tour.
- May 7—Rush county beef tour.
- May 7—Douglas county spring Guernsey show, Lawrence 4-H fair grounds.
- May 8—Mitchell county spring crops tour, Iola.
- May 9—Gray county crops district judging school.
- May 9—Norton county district 4-H home economics judging school, Norton, 10 A. M.
- May 9—Annual collegiate livestock judging contest, Manhattan, sponsored by Kansas State College Block and Bridle Club.
- May 10—National 4-H Sunday (observance as arranged locally).
- May 10—Finney county 4-H Sunday service and basket dinner, Garden City 4-H building, 12:30 P. M.

Mike Is Going to Be a Farmer

He and former college classmate will grow everything from Easter lilies to tomatoes

AFTER SOME 20 months now of reading, hearing and writing of how wonderful rural living is, our associate editor, Mike Burns, has finally succumbed to the spell. He is resigning this month to devote full time to life in the country.

Mike, with a fellow graduate of Kansas State College, will operate in partnership a range of greenhouses, located in Southeastern Kansas on a Cherokee county farm. The range is in wholesale potted plant and vegetable production—everything from Easter lilies to tomatoes—for retail sale by florists in the 4 states—Kansas, Missouri, Oklahoma and Arkansas. Before coming to *Kansas Farmer* in



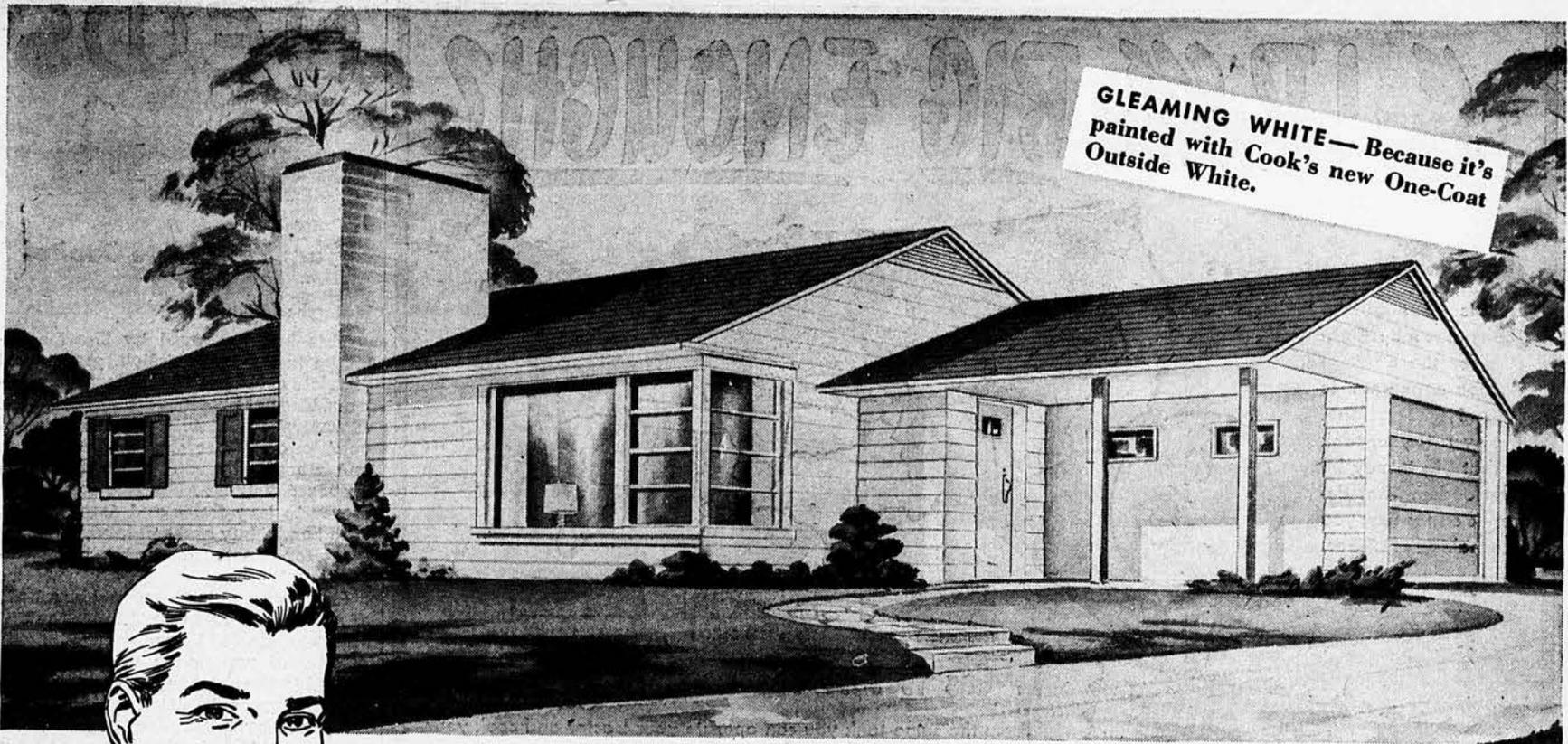
Mike Burns
Associate Editor

August 1951, Mike was in charge of advertising, publicity and public relations for the Topeka plant of J. Morrell & Co., meat packers, until the plant was closed following the 1951 flood.

The partners-to-be extend a cordial invitation to readers to visit the greenhouses, located near Galena, anytime after they take over.

Invite Kansan

A Kansan—George McCaustland Bucklin—was among 9 men over the Nation invited to attend a grain sorghum industry conference called Secretary of Agriculture Ezra Benson in Washington, D. C., March 31. The group represented producers and handlers from the states of chief sorghum production. They reviewed the present grain sorghum situation and considered possible measures to help stabilize prices and production. Other crop meetings have been held



GLEAMING WHITE— Because it's painted with Cook's new One-Coat Outside White.



COOK'S NEW ONE-COAT OUTSIDE WHITE SAVED ME 1/4 THE PAINT...AND DAYS OF WORK!

TWENTY-FIVE YEARS AGO Cook's totally revolutionized house painting by introducing the money-saving, work-saving Cook's 2-coat Painting System (one for the wood, one for the weather) to replace the old-fashioned 3-coat method.

NOW COOK'S RESEARCH is able to offer you still another great stride forward: *One-coat house painting for surfaces in good condition!* Now with Cook's One-Coat Outside White you can repaint your home with one coat every four years, instead of two coats every five or six years. Cook's One-Coat keeps your home beautifully painted with fewer coats! You save 1/4 the material cost and days and days of work that used to go into that second coat.

proved that Cook's One-Coat Outside White is more practical and more economical to use when you repaint your house. Cook's new One-Coat Outside White gives homes the famous Cook's beauty that makes you proud of your house. And here again in Cook's new One-Coat Outside White you get Cook's protection that's "best for wear and weather." When you repaint your house this spring, save yourself work and money with new Cook's One-Coat Outside White. "It's Cook's for looks . . . and protection, too!"

HUNDREDS OF TESTS and scores of actual house-painting jobs have

When you use...

COOK'S 2-COAT HOUSE-PAINTING SYSTEM

For new wood, asbestos shingle siding and previously-painted wood, not in good repainting condition, Cook's 2-coat Painting System provides a foundation coat of Cook's Superwhite Primer to protect surfaces by sealing them smooth and tight. This undercoat of Cook's Superwhite Primer keeps the life-giving oils in the finish coat of Cook's House Paint. Thus, these oils in the paint film on top of the wood protect the wood from the destructive effects of sun and weather.

Easy-to-apply, economical Cook's House Paint—the second part of this 2-coat system—is the "beauty" coat for your home. Self-cleaning, mildew-resistant, and immune to atmospheric gas fumes, Cook's House Paint keeps your home looking "young" because it protects wood from growing "old."

COOK'S COLORED HOUSE PAINTS

Stay beautiful longer... TOO!

If you're painting your house in color, choose from the Companionate colors of Cook's House Paint—the colors that are made to harmonize with popular roof tones. Each color is formulated for maximum protection and to hold its color. Over previously painted surfaces in good condition one coat is usually sufficient.

5 BIG ADVANTAGES FOR YOU WITH COOK'S NEW ONE-COAT OUTSIDE WHITE...

- 1. JUST ONE COAT COVERS!**—Think of the days of work this Cook's One-Coat Outside White saves you. No more painting, drying, then repainting again. One coat does the job . . . cuts ladder moving, climbing and brushing time in half!
- 2. GOES ON EASIER**—This new Cook's One-Coat Outside White spreads smoothly and easily. You get more application with fewer brush strokes.
- 3. LOOKS BETTER**—New Cook's One-Coat Outside White gives you a smooth, uniform finish for the life of the paint. Stays white longer because it's self-cleansing and resistant to mildew and gas discoloration.
- 4. WEARS BETTER**—Because the shorter interval between one-coat repainting means the paint oils stay more elastic than if exposed during the longer period between two-coat repaintings.
- 5. IT'S A WHITER WHITE**—New Cook's One-Coat Outside White is not only whiter when it's new but cleans itself and keeps surfaces looking newly painted. Slow chalking at the rate scientific research has proved best releases dirt, keeps your one-coat surface white longer.

cause it's self-cleansing and resistant to mildew and gas discoloration.



GET FREE COOK'S "HOW-TO-PAINT" FOLDERS
GET THESE FREE folders at your Cook Paint Store for Dealer's: "How to Plan Color Schemes", "How to Paint Houses", "How to Paint Trim and Window Sash", and many others. They'll make painting easier and help you do a job you'll be proud of.

FOR WHITER HOMES WITH LESS WORK . . . LESS COST!



Your **COOK PAINT STORE OR DEALER**
Now has **COOK'S NEW ONE-COAT OUTSIDE WHITE**

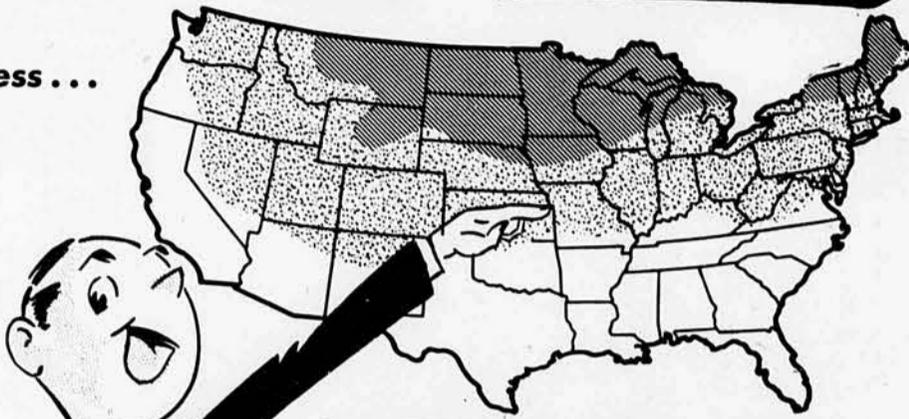
Stop in Today!



IS YOUR LP GAS TANK BIG ENOUGH?

No Need to Guess . . .

Here's your guide. Look at the map. Right size for the average Kansas consumer is 750 - 1,000 gallons. But even if your tank is that big it may be overloaded. That depends on the uses you are making of LP-Gas.



LP-Gas Is Just Too Good To Be Without

From the same tank you can operate your tractor and cook your meals, run the stationary engine and refrigerate your food; heat your home; brood the chicks; warm the farrowing house, milk room or shop; heat water for the household or dairy. And there are dozens of other ways this Magic Fuel can serve you—if your storage is big enough. So . . .

BE SURE---BE SAFE!

Remember the Gas You Use or Store in Summer --- April Thru September --- Determines the Amount You Get in Winter.

Producers must turn out LP-Gas the year around. There's not enough plant storage to take care of summer output. The place for that summer surplus is on the farm where it will be used in winter. Ask your dealer to explain the ratio plan.

TO MAKE SURE

1. Ask your dealer to check the size of your tank against the appliances and equipment with which it is loaded. If storage is short, increase it.
2. Give your dealer permission to deliver gas in summer so your storage will be full by the end of September.
3. Buy all your gas from one dealer so he'll know what to depend on and can serve you best.
4. Increase summer use or storage of LP-Gas to boost your winter allotment.

This advertisement is sponsored in the public interest by the following LP-Gas dealers of Kansas

Your LP-Gas dealer is prepared to serve you promptly and well. That is his obligation to his customers. But he obviously has no control over strikes, storms, transportation wrecks or seasonal shortages of fuel. That is why he urges adequate storage and summer filling.

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| ALLEN BUTANE AND APPL. CO.
Leon | ALMA CO-OP OIL ASSOCIATION
Alma | ATKANS SUPPLY
Atwood | B & P GAS & ELECTRIC
Holton & Wetmore | BUTANE GAS DELIVERY CO.
Pauline | CALDWELL GAS AND ELEC. CO.
Goodland, St. Francis, Colby | CENTRAL LP-GAS SERVICE
West 23rd Street, Lawrence | CO-OP UNION MERCANTILE CO.
Grinnell | CROSSROADS CO-OP. ASSN.
North Newton | DARLINGAS COMPANY, Inc.
Pratt and Great Bend | DEATZ SONS
209 East 3rd, Hutchinson | DEERFIELD PETROLEUM TRANS.
Deerfield | DICKEY APPLIANCE COMPANY
Medicine Lodge | DOWELL GAS SERVICE
Robinson | ECONOMY LP-GAS SERVICE
Route No. 2, El Dorado | EL DORADO SKELTANE SERVICE
El Dorado | ELLIOTT HARDWARE
Phillipsburg | ELLSWORTH CO. FARMERS CO-OP. UN.
Ellsworth | FARMERS CO-OPERATIVE ASSN.
Brewster | FARMERS CO-OP. OIL & SUPPLY CO.
Dighton | FARMGAS, Inc.
Garden City | FERRELL, A. C., BUTANE GAS COMPANY
Atchison | GRIMES HOMEGAS COMPANY
Ashland, Bucklin, Greensburg | HENSLEY OIL COMPANY
Burton | HERINGTON GAS & APPLIANCE
Herington | HOOVER FARM GAS
Minneapolis | HUMBURG'S
Hays, Russell, Larned | HUMBURG'S
LaCrosse, Bazine, Ransom | HYDRO BUTANE GAS COMPANY, Inc.
Bonner Springs | JENKINSON CONSUMERS BUTANE
Klowa | JOHNSON COUNTY LP-GAS, Inc.
Olathe | JUNCTION CITY DEHYDRATING CO.
Junction City | KAW VALLEY SKELGAS SERVICE, Inc.
2104 N. Topeka, Topeka | L & E GAS COMPANY
St. Francis | MANKATO GAS & EQUIPMENT CO.
Mankato | MID-CONTINENT BUTANE CORP.
Sabetha, Hiawatha | MID-CONTINENT BUTANE EQUIP. CO.
Great Bend | MID-CONTINENT BUTANE EQUIP. CO.
Yates Center | MINGO CO-OP OIL COMPANY
Mingo | MODERN LP-GAS SERVICE
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Yates Center | OAKLEY GAS SERVICE
Oakley | PETERSON SKELGAS SERVICE
Clay Center | PETROLEUM PROPANE, Inc.
Holton | PRUETTS GAS & ELECTRIC
Holton | QUENZER APPLIANCE & HDWE. CO.
Osborne, Norton, Hill City | RURAL GAS & EQUIPMENT COMPANY
Wamego | RURAL GAS SERVICE, Inc.
Belleville | RURAL GAS SERVICE
Marysville | SAUVAGE GAS COMPANY
Oberlin | SEACAT'S GAS SERVICE, Inc.
811 Commercial, Emporia | SELDEN GAS COMPANY
Selden | SERVICE OIL COMPANY, Inc.
Colby | SKELGAS SKELTANE SERVICE, Inc.
Salina | SNODGRASS BUTANE-PROPANE SERV.
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Liberal | STANTON LP-GAS COMPANY
Morrowville | STECKELS, Inc.
Russell | STEPPER HARDWARE & IMPLEMENT
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Ft. Scott, Pleasanton, Pittsburg | UNION LP-GAS SYSTEM
Iola, Burlington, Chanute | UNION LP-GAS SYSTEM
Ottawa, Osage City, Paola | UNION LP-GAS SYSTEM
Parsons, Fredonia, Caney | WALKER OIL & SUPPLY COMPANY
Wamego | WAMEGO SKELGAS
Wamego | WEISHAAR BROS. RURAL GAS SERV.
Nortonville | WESTERN STATES GAS COMPANY
McPherson, Lyons | WEST SIDE SERVICE, Inc.
Ness City | WISSING'S METEDED GAS, Inc.
Salina |
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BOOST YOUR RATIO AND BE SAFE!

NEWS



From Your State Capitol

Watershed Districts:

This bill, approved by the Legislature in its 1953 session, gives local districts action on soil and water problems. The act provides for organization of watershed districts, following signed petition of 20 per cent of landowners and a majority vote of electors in a proposed district. A district would have power to levy taxes and assessments, vote bonds, buy and sell land, and contract for construction of soil and water structures.

Governing a district would be a body of not less than 3 and not more than 33 directors, elected by people in a district. A general work plan would be submitted to the chief engineer of the Water Resources Division of the State Board of Agriculture for approval. This plan would be effective unless at least 20 per cent of the people objected. There would be a public hearing of the suggested plan. Certain degrees of right of eminent domain are given the board of directors.

SCS Clerical Assistance

House Bill 94, signed by Governor Edward F. Arn, March 28, authorizes county commissioners to provide for clerical assistance to supervisors of soil conservation districts in Kansas. Commissioners can provide money from the county general fund, just so money needed for SCS clerical duties does not exceed \$1,500 per annum.

Turnpike Bill

The 1953 State Legislature enacted a bill that would set up a turnpike authority to study the toll road problem facing Kansas. The authority would be made up of 7 members appointed by the Governor. The group would investigate need of toll roads in Kansas, number of businesses that could operate along a toll road, how to finance toll roads, other factors. The authority could float bonds to pay for building roads, to be retired thru tolls collected from motorists using toll roads.

Legislative Council

Among 12 proposals the 1953 Legislature handed the Kansas Legislative Council to study in the next 2 years, and report findings to the 1955 Legislature, was one on the appropriation of water for beneficial use and how to adjust water rights between upstream and downstream users.

Grain Inspection

House Bill 455 creates a state grain advisory commission of 5 members to be appointed by the governor and confirmed by the senate. Better grain inspection will be the result. The Legislature also approved a measure which gives the state grain inspector authority to hire all the help he needs to enforce state laws.

Liquid Fertilizer

A new bill authorizes State Board of Agriculture to set up and enforce regulations on sale of liquid fertilizers to Kansas farmers. Penalties for violation of new setup are provided in new law.

Filled Dairy Products

House Bill 458 bans sale of "filled dairy products." It does not prohibit sale of frozen desserts or other dairy products made entirely without butterfat, but it will stop mixing of vegetable
(Continued on Page 27)

oils with dairy products. The bill protects the public from confusion, fraud and deception of products resembling genuine dairy products so closely they lend themselves readily to substitution for, or definite confusion with dairy products.

Hunting, Fishing Licenses

The Legislature approved a bill that would increase hunting and fishing licenses by 50 cents. New cost is \$2 each.

MARKETING VIEWPOINT

By LEONARD W. SCHRUBEN

How accurate are crop reports issued by the U. S. Department of Agriculture?—R. T.

This is a very timely question. Beginning April 10, the Government began to issue reports on winter wheat crop each month until after harvest. Virtually everyone interested in wheat marketing should be interested in the official government reports. The April 10 issue reported crop conditions as of April 1, the May 11 issue will report conditions as of May 1, June 10 issue, June 1 conditions, and so forth. The reports are released in such a manner that everyone has a chance to obtain the information at the same time. They are summarized on the radio and in farm papers.

Now to answer your question, I have compiled data from the official reports given in the table. You can compare for yourself the April 1 estimate of winter wheat production with the estimate on December 1. I think you will agree the record is a good one. Remember, these April 1 estimates were made 3 to 4 months before harvest and, of course, there are many uncertain factors coming into the situation to affect size of the winter wheat crop.

Take this year, for example. I venture to say few farmers could predict on April 1 how much wheat they will harvest of the wheat that is still alive. Of course, crop reporters have developed devices and have studied wheat growth so we would expect them to do a good job.

It is highly recommended that wheat growers follow the crop estimates. The relative supply of wheat is one of the most important items affecting wheat prices.

Winter Wheat, Estimates of Production, United States, 1920-52

Year of Harvest	Winter Wheat Production (millions of bushels)	
	Estimates Issued by Crop Reporting Board, U. S. Department of Agriculture, as of: April 1:	December 1:
1930	550	604
1931	644	787
1932	458	462
1933	334	351
1934	492	405
1935	435	433
1936	493	519
1937	656	685
1938	726	687
1939	549	563
1940	426	589
1941	616	671
1942	625	703
1943	559	530
1944	602	764
1945	863	823
1946	831	874
1947	973	1,068
1948	861	990
1949	1,020	902
1950	764	751
1951	727	645
1952	947	1,053
1953		

Serves 2 Purposes

When painting and all paint is not used from can, I dip small brush in paint and mark level of paint on outside of can. This also tells me color of paint.—Mrs. R. R. C.

PHILLIPS 66 AMMONIUM SULFATE



Crop tests in your state prove it!

Bigger profits depend on getting bigger yields from the same acreage. Tests show that if you use a high nitrogen fertilizer under favorable conditions you can greatly increase the net profits from your land.

It's DRY-CURED and SCREENED to help it remain FREE FLOWING

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● Go to your local fertilizer dealer today and tell him you want Phillips 66 Ammonium Sulfate. You'll appreciate what *dry-curing* does to prevent caking. Phillips 66 Ammonium Sulfate flows freely and distributes evenly and effectively. And it delivers a *guaranteed* nitrogen content of 21%.

Whether you grow row crops, small grains, seed grasses or pasture, you want higher yields—lower production costs—more net profit per acre. Phillips 66 Ammonium Sulfate helps you realize these goals.

Use Phillips 66 Ammonium Sulfate for top dressing . . . side dressing . . . broadcasting . . . drilling or plow down. Packaged in 100-pound multiwall, moisture-resistant paper bags. Buy your supply of Phillips 66 Ammonium Sulfate from your fertilizer dealer today. Look for the orange and black Phillips 66 Shield.

Raise More Corn with Nitrogen. Next to moisture, nitrogen is the greatest factor influencing corn yields. Tests show that your land gives up about 130 pounds of nitrogen (650 pounds of Phillips 66 Ammonium Sulfate) for every 1,000 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 corn yields. Apply half of your ammonium sulfate pre-plant, side dress remaining at second cultivation, or side dress when your corn is 12 to 18 inches high.



NITROGEN 21%

PHILLIPS CHEMICAL COMPANY
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Kansas Farm Home and Family

By FLORENCE MCKINNEY



From First to Last Course!

WHEN the club serves easy refreshments, hurray for cupcakes. Today's mixes provide any kind your taste chooses and with speed, too. Here's a brand-new frosting to add the latest touch. Bittersweet mocha frosting must be kept over the heat until glossy and thick. Then cool, spread with a knife dipped in hot water.

Bittersweet Mocha Frosting

1 cup sugar	1/2 cup coffee
1 cup cocoa	1/2 cup chopped nuts
1/4 teaspoon salt	1/4 teaspoon vanilla

Combine sugar, cocoa and salt in saucepan. Make coffee and blend into mixture. Cook over very low heat until smooth and glossy (about 15 minutes). Cool. Beat in nut meats and vanilla. Chill until firm. Spread on cakes with spatula dipped in hot water. Makes enough frosting for 24 tiny cupcakes or top and sides of two 8-inch layers.

Rice Apple Pudding

2 cups applesauce	3/4 cup sugar
2 cups cooked rice	2 tablespoons melted butter
1/2 cup milk	1/2 cup cooked raisins
2 egg yolks	1 teaspoon vanilla

Pudding is topped with following meringue.

MERINGUE TOPPING

2 egg whites, beaten stiff	1/4 cup sugar
1/3 cup shredded coconut	

Make applesauce without sugar. Thoroughly mix the applesauce, rice, milk, egg yolks, sugar, butter and vanilla. Pour mixture into a greased casserole and bake at 350° for about 30 minutes. While pudding is baking, make the meringue topping. Beat egg whites until they form peaks. Add sugar and beat until stiff and shiny. After pudding has baked, cover with meringue. Sprinkle with coconut and brown in oven.

Cheese Puffs

Here's something just right to serve with a salad or at a tea.

1/2 pound American cheese, grated	1/2 cup butter
	1 cup flour
	1/4 teaspoon salt

Blend cheese and butter. Add flour and salt and mix well. Chill 1 hour. Roll teaspoons of mixture into small balls. Bake 15 minutes in hot oven (450°). Makes about 16 small puffs.

Egg and Noodle Casserole

6 eggs, hard-cooked	5 tablespoons butter
1 tablespoon parsley, chopped	Salt and pepper
1 teaspoon onion, chopped	2 cups milk
1/3 cup mayonnaise	1/2 pound American cheese, grated
5 tablespoons flour	1 (8-ounce) package noodles

Soft bread crumbs

Cut eggs in half. Remove yolks, mash and mix with parsley, onion and mayonnaise. Refill whites. Make a cream sauce with butter, flour, salt, pepper and milk. Cook until slightly thick. Add cheese to sauce and stir until melted. Add half of sauce to noodles and put in casserole. Arrange eggs on top of mixture and cover with sauce and crumbs. Bake 20 minutes at 350°.

The Iris

The iris wakes when the south winds blow;
Bright blades of emerald pierce the snow.
From Easter to Armistice dawn,
Their gleaming swords will guard the lawn.
The iris captures every tint
A flaming rainbow heaven sent,
Midday their glory seldom mars;
Nights bearded beauties face the stars.

King Solomon with all to please,
"Was not arrayed like one of these."
—By George Nicholas Rees.



A Country Woman's Journal

By MARY SCOTT HAIR

"I saw God wash the world last night.
Ah, would He had washed me
As clean of all my dust and dirt
As that old white birch tree."
—William Leroy Stidger.

WHEN DAME NATURE called her class together one morning not long ago a newcomer, Miss Springtime, by name, answered the roll call by sweetly exclaiming, "I'm here!"

Her classmates, thrilled at the sound of her voice, vowed they heard a mighty chorus made up of all the singing birds that ever greeted the dawn. Miss Springtime's welcome was most enthusiastic. Winter came early and unbidden. It was high time that frosty tempered monarch gathered up his dingy white mantle and departed.

How good it is to see the signs of spring! We exclaim over the first blooming violets, the jonquils and forsythia. Each returning bird is given a special welcome.

Then, it is an added delight to watch for garden plots. Some are large, the neat rows marked with stakes and strings, seeming to proclaim they nourish large families. Others are mere pocket handkerchief editions, all smiling in the sun. Dew-drenched or dark with the dusk of evening, these tended bits of earth that dot the countryside are a priceless heritage. They speak a language understood by humble folk who toil in busy peace.

The magic word at this time of year is "seed." I can tell by the way an envelope feels that some friend is sharing a bit of springtime magic with me by sending seeds of this plant or flower and such a gift is a real treasure, something that thrills me beyond words.

I shall plant mustard seed one of my correspondents sent me from many miles north of my home. And I have 32 packets, all different kinds, of flower seed, gift of a friend in another state. Fall gift bulbs are carefully stored away until the days are a bit warmer, then they, too, will join the magic circle underground.

Of all the gifts we've sent to foreign countries first and last, the thought which prompted friendship gifts of seeds and garden tools and plows was more than blessed. With even the tiniest plot to care for, what manner of person could harbor a feeling of hate?

These are the golden days when a neighbor calls across the fence, "Let's go greens hunting this afternoon!"

Preparation for the adventure includes hunting up the old case knife out of the cabinet drawer, stacking one bucket inside a bigger one just in case you decide to go by way of the spring branch where water cress grows crisp and tender the year around, and 2 apples for munching are in your sweater pocket.

Sometime later you return rested and refreshed, bearing one bucket not so full of dandelion, narrow leaf dock, square weed and poke and the other brimming over with water cress. You find yourself humming a little song as you go about preparing the cress for

supper. The greens are for next day's noontime meal. Lucky the friend who drops in for a visit when wild greens and cornbread are on the dinner menu.

Isn't it the strangest thing how spring housecleaning fever seems to hit a neighborhood just like an epidemic? One neighbor starts it and first thing you know they've all gone cleaning crazy. Clotheslines are weighted down with brightly colored Sunday best quilts, making dooryards as gay and colorful as a king's court. It is fun to walk leisurely along on the way to the post office and admire the lovely quilts. Mrs. Anderson's prize beauty is a double wedding ring, while her next-door neighbor, Mrs. Vickroy, has a green and white quilt in pine tree design that looks just like a picture.

These are busy days at the Sheepfold. We've plowed and planted, cared for the sheep, butchered a hog and made the lard and sausage, just to mention a few of our accomplishments.

Evenings are spent with mending basket or crocheting, the daily newspaper and the radio. Our favorite kind of radio listening is the story which announcers say is designed to keep one in suspense. In other words, the mystery thriller and the more mysterious they are the better we like them.

Lately, however, we have not needed radio shows to keep us in suspense, our ewes have been doing that. The problem is too many bottle babies and not enough milk to feed them. That may not sound like much of a problem to folks who've never had any experience.

I knew something was wrong when I saw the Flockmaster coming in with his empty milk bottles the other morning for it has happened so many times I can sort of tell what the news will be. The suspense comes when little sheep tails are counted. Yes, another ewe with twins and no milk.

Then the problem is: how are we going to feed 2 more lambs on our present milk supply? One of the lambs (they would both have to be ewe lambs) was awfully tiny, the Sheepman said, but since she'd require milk we didn't have, I was sure she'd live in spite of the odds against her. That's where I was wrong and I felt ashamed of myself for harboring such dark thoughts about her. She died. We did have one more mouth to feed, tho.

We are beginning to breathe a bit easier for lambing time is about over at our Sheepfold. Nights when we look over the flock, count the ewes and check up on the lambs we are thankful we've been so fortunate. A good shepherd feels each loss is a personal loss, especially when we know each ewe individually. So far we haven't been bothered with wolves which are becoming an ever-increasing menace in our part of the country.

With the coming of warmer weather the ewes try to slip away late in the evening and hide among the tall grasses and it is difficult to find them. When the Flockmaster counted and counted the sheep on a recent Sunday evening, one was missing. He spent an hour looking for her then came to the house bringing the milk and expected to go back for another search.

Back went the Mister to take a second look. The ewe with her newborn lamb had bedded down for the night in some tall grass. The lamb cried out in fright when strange steps approached and the mother answered. The Mister carried the lamb to the barn some distance away and the ewe followed at his heels, bleating and nudging him anxiously, to be sure he had the lamb. There may be smarter animals than sheep, but not many are as human!

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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 Farm Service Editor, Kansas Farmer, Topeka, Kan. Price 5c a copy.

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THESE six advantages tell you only part of the wonderful story of electric cooking. So before you buy your next range, talk it over with a friend who cooks electrically. She will give you more reasons why you should start to enjoy this easier, better way to cook. Then see your Dealer. He will be glad to help you select a new Electric Range to suit your needs and your pocketbook:



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The 6-Year-Old Tormentor

By MRS. MARION QUINLAN DAVIS

ANOTHER mother's letter just received says: Our 6-year-old son picks on and torments his 4-year-old brother. This has made the younger boy self-conscious and apparently unhappy. What is the cause of this and what can we as parents do about it? Mrs. Davis says in reply:

Children are not "bad" nor are they "problems," but they do acquire bad habits and present problems to their parents. Tormenting and picking on his 4-year-old brother is a bad habit the 6-year-old has formed. To break any habit, we must arouse the child's desire to reform.

Teasing and tormenting a younger brother is a symptom of some deep underlying cause. Usually it is an expression of jealousy, of which the child himself may be unconscious. Or he may be ashamed to admit his jealousy and express it indirectly in this form of antagonism.

Does the older boy feel that you care more for the 4-year-old? Or that you are partial and protect the younger boy because he is younger?

Parents and teachers sincerely assert that they are not partial and will deny showing favoritism, but they are human and respond differently to different personalities. Even in the same

family, no 2 children have exactly the same environment and training. Each child is an entirely new individual and arouses a different set of reactions in his parents.

Do people outside the family like the younger boy better? Do grandparents and other relatives show a preference for him? Is the younger boy stronger or brighter or more lovable than the older boy? If so, the teasing and bullying may be the 6-year-old's way of bolstering his own self-esteem.

Junior-Senior Banquet

"Career night" is the theme of our 8-page booklet, "Junior-Senior Banquet." Suggestions are given for clever and colorful invitations, place cards and favors. You high schoolers will like the basic program suggestions which will enable you to aid your own originality in planning a smooth-running and interesting program. For your copy write to Home Service Editor, *Kansas Farmer*, Topeka, Kan. Price 5c.

Do you or the relatives make comparisons between the 2 boys or hold the younger one up as model. There is no surer way to cause jealousy and antagonism between 2 children.

When you are out of the room and hear the 4-year-old crying, do you immediately call to the older son, "Stop teasing Johnny!" Or do you calmly and quietly investigate to see if perhaps this once, Johnny is to blame?

Do you give the 6-year-old his full share of attention and praise for constructive behavior and accomplishments? Children will do anything for attention. This may be the one sure way the 6-year-old can feel that he is the object of his parent's attention.

Have you stopped to analyze the immediate causes of the teasing? Does the younger boy tag after his older brother and want to join in his play for which he is too young? Six-year-olds have different interests and abilities. Does each boy have friends his own age?

Have you quietly listened to your older son's side of the case and talked over the situation with him when he is not in an antagonistic mood? Find occasions when the older boy is kind, cooperative and helpful. Then encourage and praise him.

Try giving the older boy responsibilities and treat him as an ally in household matters. Responsibility just in advance of his powers has turned many a school bully into a responsible citizen.

Eastern Extension District Has New Agent

Mary Ruth Vanskike, former Allen county home demonstration agent, has been appointed district home demonstration agent for the eastern Extension district, according to Georgiana Smurthwaite, state leader at Kansas State College, Manhattan.

Miss Vanskike has served as home agent in Neosho county and as 4-H Club agent in Labette county. As a district agent, she will supervise the Extension home economics program in 38 Eastern Kansas counties. She succeeds the late Margaret Kirby Burtis.

Successful Entertaining At Home

This looks to be the best all-round book on the subject of being a good hostess, that we have seen for many a day. In the first place it's a big book, full from front to back with not only recipes for all occasions but how to decorate, use flowers and other devices, holiday meals, outdoor cooking and eating. There's a chapter on games and entertainment for both indoors and out. Carolyn Coggins, the author, includes a chapter on all types of dinner ware, china, pottery, boneware, silver and glass. It's full of everything that has to do with good home entertaining. Publisher Prentice-Hall, Inc., 70 Fifth Avenue, New York City. Price \$4.95. See your local library or bookstore.

For Mother's Day

Mother's Day is May 10 and it is not too early to plan for an entertainment to honor mothers. Our little leaflet, "Mother-Daughter Banquet," is especially written for this occasion to help you with invitations, decorations, menu and entertainment. Send your orders to Home Service Editor, *Kansas Farmer*, Topeka, Kan.

Promenade All!



Do-si-do and away you go. Here is the cutest gayest embroidery idea ever. Use these square-dancing designs on kitchen towels or all around the hem of your new skirt. Easy to embroider. Pattern 7232 has transfer of 6 designs 7 by 9 inches.

Pattern is 25 cents. Address Needlework Editor, *Kansas Farmer*, Topeka. Add 5 cents each for first-class mailing.

Beautify Your Entire Yard and Property For Only a Few Dollars!

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DIRECT-BY-MAIL BARGAIN!



- * Blooms From June to October in 8 Different Colors
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This offer sounds too good to be true, but the fact is we have a huge stock of our sensational Flowering Fence Plants. When we sell them at these low prices the demand is terrific, and we make more money than we would charging 3 times as much. Our Flowering Fence is made up of 9 specially matched varieties of Mock Orange, Forsythia, Hydrangea, Rose of Sharon, Deutzia, Calycanthus, Red Spirea, Pearl Bush and Weigelia. All plants are guaranteed blooming-size and come with good deep root systems so they get off to a fast start and grow like mad. With just a little care you'll surround your home with beauty and fragrance from early spring to late fall. And for years to come. Our Flowering Fence grows about 5 feet high and can be trimmed to any width. In a few years you'll be enjoying all the privacy of an outdoor living

room. Better than any wooden fence because it's far more beautiful and never wears out. Will be admired by all your friends and neighbors. What's more, it increases property values hundreds of dollars every year. SEND NO MONEY! On arrival pay only \$5 for 20 Flowering Fence assorted Shrubs (make approximately 100 feet) or \$10 for 60 Assorted Shrubs (make approximately 300 feet, Plus C.O.D. postage. Shrubs are at least 1-3 ft. tall, all carefully graded and matched. We pay postage on prepaid orders. Complete Planting Instructions Included with Every Order. If not well satisfied in every way, return at once for your money back. EXTRA GIFT—if you order at once, we'll send with your order a Royal Red Maple, nature's most colorful shade tree, to thrive in your yard like the one pictured above. Don't wait. Order NOW!

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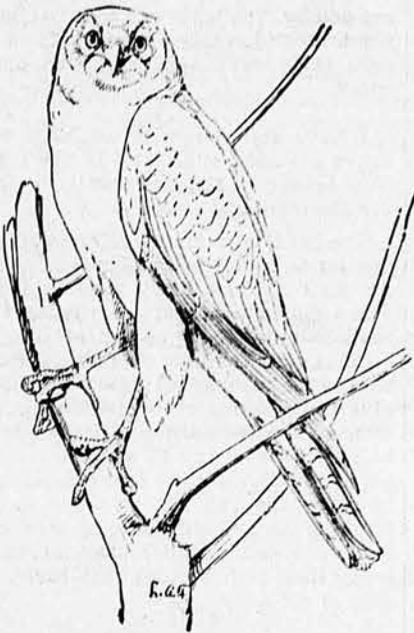
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KNOW YOUR BIRDS . . .

By L. B. CARSON

The Marsh or Harrier Hawk

*Slowly coursing back and forth
O'er prairie, marsh or weeds
He's hunting rabbits, rats or mice
To fill his daily needs.*



A WHITE RUMP PATCH, an owl-like ruff of stiff feathers around his face are identifying features of the marsh hawk.

THE MARSH HAWK with his long wings, long tail, white rump patch, his deliberate wing beats, gliding flight with wings in an open V, his methods of hunting near the ground . . . all are known to most farm boys. The pale gray male with black wing tips is smaller than the brown female but both have the rump patch. It is the only hawk with an owl-like ruff of feathers around its face.

No doubt he received his name "harrier" from the fact that he uses methods of a good hunting dog in his search for food. His body tilts back and forth as he changes directions of flight, a quick turn, he hovers, then pounces on his prey. Usually he eats his food on the spot unless there is a family of young to be supplied. Then he either takes the food to the nest or is met by the female who catches the food in mid-air after he releases it, then carries it to the young.

This hawk nests on the ground in or near a low meadow or marshy area where weeds or shrubs offer protection. If in a comparatively dry area they use only a few weed stems and grass to form a cup. In wet spots, the nest is a substantial structure. Four to 6 eggs are pale blue or white, sometimes with a few brown spots.

During the breeding season, males engage in spectacular dives, quick upturns and aerial gymnastics which are no doubt impressive to the females. He never tires of swooping down on chickens, which elude his thrusts. Perhaps it's all in fun, but we seriously doubt his intentions are honorable.

Small birds constitute 41 per cent of his food. These are mostly young birds which have not yet learned to fly. He is much too slow a flier to depend on grown birds for food. Rodents make up 42 per cent of the diet and when mice or cotton rats are plentiful they constitute virtually the entire diet. Game birds such as young ducks, quails and pheasants come third on the list with 7.2 per cent. The balance of his food is made up of snakes, frogs, poultry and insects. Like most meat eaters, he will feed on any dead animal which he finds and is sometimes accused of making a kill when he only found the carcass. Poultry is sometimes taken, but this is the exception and the marsh hawk has more than paid for his dinner by eating numerous field mice.

open sides will make an ideal floor. The lath keeps the sticks from the nest from blowing off the floor. If you use the shed type, run corner posts up to at least 8 inches to the slanting roof—hang 6 to 15 feet above the ground on the side of your barn or house.

I want to make a bird bath. If you cannot furnish the plans, will you please tell me where I can get them.—Mrs. Arch Walker.

Anything that will hold water and is constructed so the bird can enter and leave the bath is acceptable. A fish pool with one side left shallow enough for the birds to stand in the bottom is ideal. If you have a fountain or running water, the birds will go there.

A shallow pan of water, or a deeper pan with a rock in the center so birds can enter or leave at will seems to attract them. A saucer-shaped hole dug in the ground about 4 inches deep in the center and about 2 feet in diameter or a wooden frame can be lined with cement. Smooth the cement and let it dry for several days and you have a bird bath. The cement mixture should be about 4 parts coarse sand or gravel to 1 part cement. Mix dry until a uniform color, then add a little water and mix well. Add enough water to make a thick flowing mortar. Plaster the bottom and sides with a layer about 2 inches thick and smooth it out. Furniture and feed stores often have attractive bird baths at reasonable cost.

The gray bird with large eyes and long beak known around here as the rain crow, interests me. Two of these birds crashed against 2 of my windows at different times and broke their necks and were dead when I got to them. Once it was a west window, shaded by large trees. Another time it was a north window. Both were covered by screens, so there was no reflection. Why do birds do this? I could not see any bugs on the screens. I enjoy your articles about birds for I am a bird lover and have studied them all my life—Mrs. M. S. Turner.

The birds to which you refer were probably the yellow-billed or black-billed cuckoo, both commonly called rain crows. There are numerous reasons why birds fly against windows. The most common is fighting their reflection which they think is another bird and since their eyesight is very keen, they could see a reflection which humans might not detect. A second reason could be an effort to escape danger. Birds have been known to fly into an open window to elude a sharpshinned or Cooper's hawk. Picture win-

(Continued on Page 34)

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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.

Readers

Want to Know

As community leader of 29 boys and girls taking wildlife and conservation as their activity in 4-H Club work at Oreaville school, I would appreciate any information you might pass on to me about Missouri birds and the other wildlife of the state, such as flowers, trees, and animals.—Joe Dawes.

Write to James F. Comfort, 27 North Iola Drive, Webster Groves, Mo. He is president of the Missouri Audubon Society and will be able to give you specific information helpful to your program. George E. Moore, of Glencoe, has done a lot of work on various phases of conservation and will probably be glad to be of assistance.

Do you have patterns for cardinal and robin houses? I would like to know how to attract birds to our home.—Albert Wuebllick.

The cardinal prefers to build her nest in such places as rose bushes or a well-protected spot in a tree. They do not use bird houses. A robin often will build on a shelf either roofed over like a shed, open on 3 sides or placed beneath an overhanging eave. A board 6 by 8 inches with a lath nailed around the

DEAF MAN PERFECTS MIDGET HEARING AID

Mr. H. A. Lyons of Peoria, Illinois, who himself has been hard of hearing for nearly twenty years, has perfected a remarkably low-cost hearing aid.

With this small aid, voices, the radio and even the ticking of the clock sound natural. You can have all of these wonderful conveniences plus many others for a fraction of the usual cost. Satisfaction guaranteed or your money back.

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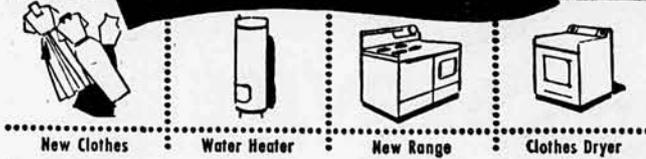


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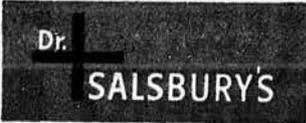
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Readers Want to Know

(Continued from Page 33)

dows placed on opposite sides of a room are deadly. The birds can see thru both windows and crashes when he tries to pass thru what appears to be open space.

I have seen hundreds of bats, but never a young one. Why is this? Do they belong to the bird family?—Oli-ver Zimmerman.

The bat is a mammal and the numerous kinds found in the United States are all beneficial. They produce from 1 to 4 young which are carried by the mother until their combined weight often is more than her own. This speaks well of the bat's flying ability for she is able to catch insects while the young cling to her. Bats are mostly nocturnal and spend the day in some secluded place such as a cave or in buildings, however the red bat is often found hanging on a limb. Some species migrate while others hibernate. Since they carry their young about with them, no nest is used.

I read with interest your series, "Know Your Birds" in the Missouri Ruralist. The next lesson in our garden club is on "Bird Migration in Missouri." Do you have any literature on this subject?—Mrs. Champ Ray.

I suggest that you write James F. Comfort, 27 North Iola Drive, Webster Groves, who is president of the Audubon Society of Missouri. "The Bluebird," published monthly by this organization, contains records from all areas and is very readable.

I want a bird bath in my front yard. The one I have is rusted out. Can I build a rock and cement bath in this old container?—Henry Schmierer, Pomona.

You can line your old pan with cement (4 parts sand to 1 part cement) and shape it the way you want it. After it dries, remove the pan. You may then place it on a stand. A saucer-shaped hole in the ground, lined with cement, makes a good bath unless you have cats around. If so, place the bath on a pedestal, placed in the crotch of a tree or on a stump.

My fourth grade is making a class bird book. Do you have any literature of interest and to add beauty to our book?—Mrs. Emma J. Cary.

I suggest you write the National Audubon Society, 1130 Fifth Avenue, New York 28, N. Y., concerning their program for junior Audubon members. They have a complete program for a project such as yours.

I am a leader of 4-H Club boys and girls and we are to build bird houses. Can you tell me where I can get the patterns.—Guy Lindley.

There are a number of good references on the building of bird houses: 1. "The Bird Study Pamphlet," published by the Boy Scouts of America.

This can be furnished either by your local Boy Scout office or write to Boy Scouts, Room 206, Columbian Bldg., Topeka, Kan. This pamphlet costs 25 cents. 2. "A B C of Attracting Birds," by Alvin M. Peterson, is another book Published by Bruce Publishing Company, Chicago, Ill. 3. "How to Make Friends with Birds," by Niel Morrow Ladd, published by Doubleday Page and Co., Garden City, N. Y.

**Do You Have
A Question?**

We know many of you are interested in birds. Some of you write us asking about birdhouses, how to make feeders and other questions. Now that we have started the series, "Know Your Birds," we are well prepared to answer your questions fully. All questions will be turned over to our expert, L. B. Carson, a birder of some note in the Midwest. Please address all questions to Florence McKinney, Home Editor, *Kansas Farmer*, Topeka, Kan.

I would like to know the best shrubs vines and flowers to plant so that our birds will be well supplied. We have wrens, robins, hummingbirds, mockingbirds and many whose names I do not know. I'd like to keep these birds as late in the fall as possible.—Mrs. Ruby Simon.

For summer food, mulberry, wild cherry, elderberry and wild blackberry are all popular. If space permits, a planting of sunflower seeds will give a lot of activity when seeds ripen. For winter food, hackberry, persimmon, cedar and Russian olive attract a number of feathered guests.

Shrubs include bush honeysuckle, multiflora rose, hawthorne, pokeberry, sumac, bittersweet and wild grape. Your hummingbirds will appreciate trumpetvine, hollyhocks and honeysuckles.

A winter feeding station with a supply of small grain with generous portions of sunflower seeds will bring results. A number of birds relish suet which is inexpensive and easily obtained. Peanut butter or small nut meats of any kind will be appreciated by your birds.

Build a Wren House

The house wren is one of the cheeriest bird neighbors you could want. We have a folder on "Build a Wren House" that gives pictures and directions for 2 houses. Send 3c to Farm and Home Service, *Kansas Farmer*, Topeka, Kan.

Make Home Canned Pork and Beans

WITH inexpensive meals in mind, the homemaker may want to can some of her own pork and beans. Not only are pork and beans an appetizing and nourishing dish but they are a convenience when a hurry-up meal is planned.

Sort and wash dry beans, any kind, navy, kidney or yellow-eye. Soak overnight. Drain and cover with boiling water 4 minutes. Drain. Or cover with boiling water, boil 2 minutes and let soak one hour. Now heat the beans to boiling and then drain.

Fill clean jars three-fourths full. Add a small piece of salt pork, ham or bacon. Add the tomato sauce (1 cup tomato catsup and 3 cups water). Or make a molasses sauce as follows: 4 cups water and 3 tablespoons dark molasses, 1 tablespoon vinegar, 2 tea-

spoons salt and ¾ teaspoon ground mustard.

Remove air bubbles by running a narrow, flexible knife down the sides of the jar. Add more sauce if needed to fill within ½ inch of the top.

Wipe top of jar and adjust the lid. Process pint jars 65 minutes, quarts 75 minutes.

**She Likes the
Stories About Birds**

Dear Editor: I am very much interested in your bird articles. We feed and water all our little feathered friends and get well paid in the many, many songbirds that sing so beautifully for us. Success always.—Mrs. William C. Haynes, Rt. 1, Chapman.

Silage Problems Change

(Continued from Page 1)

supports 65 head of Guernseys. The operators started in 1947 using a brome-alfalfa program. By 1949 they were using the first cutting for silage and the other 2 for hay. Says Mr. Dickerson: "Brome is lush at the time of our first cutting. It makes excellent silage but not very good hay. So, to get maximum benefits, we find it pays to use the first cutting as silage and the other 2 for hay."

While on some farms operators take 4 cuttings of hay. Sunrise Farm practices 3 cuttings. Then if the brome comes back strong it is used for late fall pasture.

Grass silage is preferred to sorgo or corn for 2 reasons—better land use and fits the farm's labor situation better. It takes 250 tons of grass silage to run the herd in a normal year.

"We like to carry over 100 tons of silage a year but have not been able to carry any the last 2 years," says Mr. Dickerson. Both a trench and an upright silo are used on the farm.

The upright silo is built so the chute opens into the back of the loafing shed. A trough for feeding silage runs around all 3 closed sides of the shed, and silage is distributed along the trough by means of an overhead carrier running on a rail.

Summing up their use of silage, Mr. Dickerson says: "You can supply more food nutrients per acre in silage than with anything else you can grow."

Paid Off This Year

Rudy F. Wenger, also of Brown county, found his practice of always carrying plenty of silage paid off this year. He had only 35 steers of his own, but was able to take on 100 head to feed for another owner this winter. He put up 90 tons of corn silage and 400 tons of atlas sorgo last fall.

"Cattle prefer corn silage," says Mr. Wenger, "but I prefer atlas as it gives at least twice the tonnage and handles nicer. With corn silage, pieces of cob often get stuck to the fork tines making the job of handling more difficult."

Mr. Wenger says it took only 12 acres of corn and 29 acres of sorgo to give him his silage supply for winter. It looked in mid-March as if he would have 150 tons left as a carry-over to start the next feeding season.

He has 2 upright silos of 180 tons each and one trench silo holding 100 tons. He feeds out of the trench first while weather is still good, as getting in and out of the trench in bad weather is a drawback. There also is more spoilage in the trench.

Yearlings at the Wenger farm got 25 pounds of silage daily this last winter and calves 16 pounds. "Feeding silage greatly expands feeding possibilities on a farm," says Mr. Wenger. "Before I tried silage I attempted to feed cattle entirely on hay. I found it took too much land and cut down on the number of cattle I could handle."

With his 2 upright silos, Mr. Wenger has a bunk running out on a concrete feeding floor. A silage cart equipped with wheels that fit on the bunk sides is used. A trip-door arrangement operated by a wheel at one end of the cart dumps silage in the bunk as the cart is pushed along. "Two men can feed silage to 150 head in 10 to 15 minutes with this arrangement," says Mr. Wenger. In addition to silage, cattle get medium-quality hay for roughage.

An experiment in self-feeding silage was used by Mr. Wenger with some success this last winter. He put a gate across the outside end of his trench and let the cattle eat. As they cleaned up the silage the gate was moved back into the trench.

Mr. Wenger does not believe it pays to build concrete floors and walls in a trench silo—too much expense.

Because of his big carry-over this year it will not be necessary for Mr. Wenger to devote so much acreage to silage crops this year.

Cuts Down on Feed Costs

Albert Ackerman, Nemaha county dairyman who has 60 head of Holsteins, says he tries to get all the production he can out of roughage to cut down feed costs. He uses all sorgo silage because of the heavy tonnage and plans setting aside 12 acres a year for silage production. He has 2 upright silos with a total capacity of 150 tons.

Silage is fed to the herd about 6 months out of the year. It is fed morning and evening with good-quality hay in front of the cows at all times.

Years ago Mr. Ackerman fed silage in the dairy barn. Now he feeds on pasture when possible so cows spread the manure. The rest of the time he feeds in lots.

No grass silage is cut here. "All available grass on my 120 acres is used as pasture," says Mr. Ackerman.

Leslie Droge, of Nemaha county, feeds a lot of silage to his beef cow herd and puts from 400 to 600 tons of grass and corn silage into his trench and upright silos each year.

Last year when his corn crop was hailed out, he did some experimenting. He cut the corn for silage and piled it on top of the ground in his pasture. He then put bunks all around the stack and filled them by using the power loader on his tractor. He first tried to feed from all sides of the stack but later found feeding from one end worked better.

This year he plans to improve his method by making forms for the stack so he can pack it tighter. Then he may try self-feeding the silage from one end or fork it with the power loader from one end, whichever works better. The stack last year was topped with red clover and very little spoilage occurred.

"It's the cheapest way to put up feed I've ever found," says Mr. Droge.



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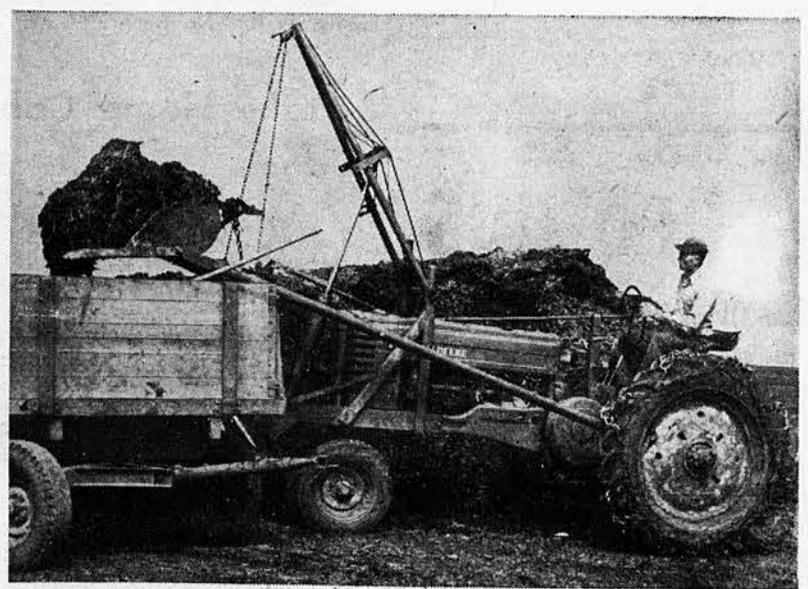
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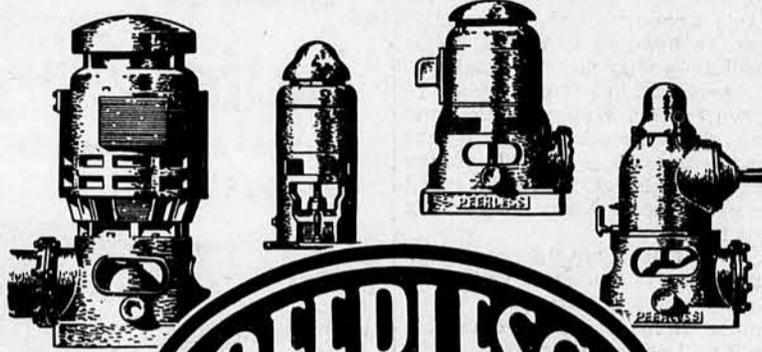
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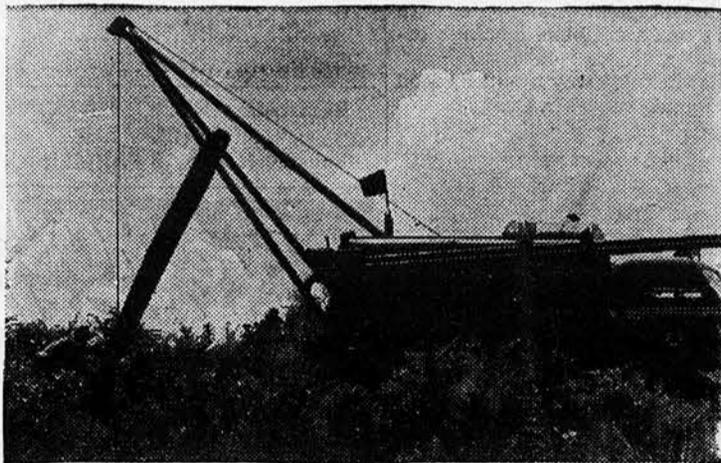
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Wheat Allotments May Be Necessary According to Secretary Benson

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

ACREAGE ALLOTMENTS for 1954 wheat and cotton crops are a strong possibility, which could become a necessity, Secretary of Agriculture Ezra Taft Benson told the Senate Committee on Agriculture and Forestry recently. This statement was made when Benson reported to the committee on his first 60 days:

"It is our hope, and yours," he said, "that we avoid acreage allotments. However, it is impossible to maintain a price above its normal level for a protracted period for major products without the necessity for restricting production.

"The law provides that when the supply of a particular crop exceeds a certain amount, acreage allotments are mandatory, unless they are suspended thru the proclamation of an emergency.

"The prospective supply of wheat is such as to make acreage allotments a strong possibility for the 1954 crop. We do not need to make an announcement regarding the question of wheat allotment until July 1, 1953. However, it is necessary, if we are to be in position to go either way on that date, that we begin now to gather acreage history on our wheat farms.

"Cotton is in somewhat the same situation with respect to acreage allotments. Much depends on size of the 1953 cotton crop. A large crop would make acreage allotments likely for 1954 (crop).

"Consequently, we have requested funds to enable us to prepare for acreage allotments on these 2 crops. This should not be interpreted as the proclaiming of acreage allotments, as these are decisions not yet made. I still

hope we shall be able to do without them."

If and when acreage allotments are proclaimed by the Secretary, the decision whether they shall go into effect will depend upon a referendum vote by wheat growers. Unless two thirds of farmer votes cast approve, acreage allotments do not go into effect. But if acreage allotments are not approved in the referendum, then there will be no support price on that crop.

In regard to reorganization of the Department of Agriculture, Secretary Benson explained to the Senate Committee:

"The organization which I head has been called a collection of agencies rather than a Department of Agriculture. When I took office, 20 agencies were reporting directly to the Secretary, which made administration a difficult matter. . . . A regrouping of the Department's agencies was announced . . . with a revision March 10.

"This was not a reorganization in the sense in which that term is used by the Reorganization Act of 1949. Rather it was a . . . grouping of various agencies for purposes of more effective supervision. Its purpose was to prescribe clearly defined administrative channels for reporting to the Secretary to reduce the number of people reporting directly to him. . . .

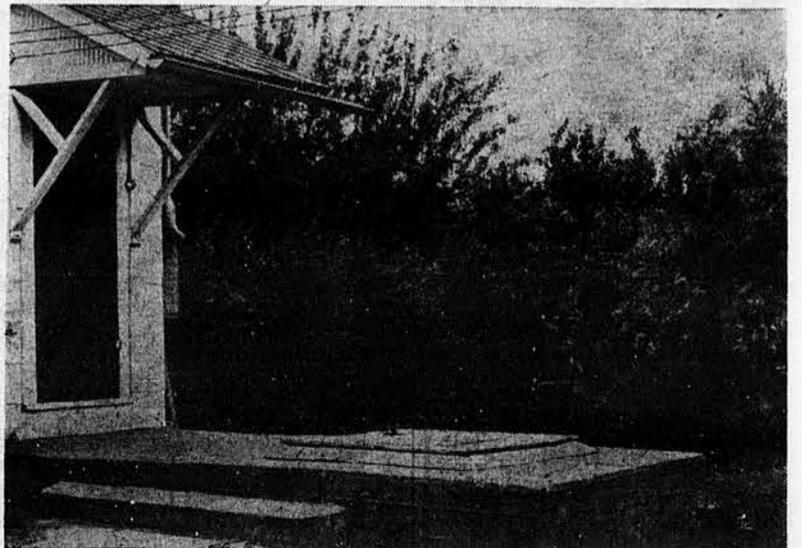
"There was no transfer of functions from one agency within the Department to another. All agencies continue to retain their respective status as separate agencies, except that the Agricultural Conservation Programs Branch

(Continued on Page 37)

THE RESULT OF PLANNING



THERE WASN'T a stick of anything growing around this farmhouse 10 years ago. Now the Glen Beals, of Greenwood county, enjoy many trees and shrubs as the result of planning.



TREES SERVE AS windbreak as well as for beauty in the Beal yard. This view past the kitchen door shows a variety of shrubs and trees.

of the Production and Marketing Administration was transferred out of PMA and set up as a separate agency within the Research, Extension and Land Use group."

The regrouping works out like this: Agricultural Conservation Program, Agricultural Research Administration, Bureau of Agricultural Economics, Extension Service, Forest Service, Soil Conservation Service, are grouped together in the Research, Extension and Land Use division.

Production and Marketing Administration is thrown into the Commodity Marketing and Adjustment division, along with Commodity Credit Corporation, Commodity Exchange Authority, and Federal Crop Insurance Corporation, under John H. Davis, head of Commodity Credit Corporation.

In the Agricultural Credit Services division are the Farm Credit Administration, Farmers Home Administration, under Robert L. Farington as acting director. There are 3 other divisions, the Foreign Agricultural Service, Department Administration, and Office of the Solicitor.

Explaining the transfer of the ACP from PMA to Research, Extension and Land Use group, Secretary Benson said:

"This was done because it was considered that ACP should be co-ordinated with the other agencies concerned with soil and water conservation and utilization, rather than those in Commodity Marketing and Adjustment Group."

Secretary Benson's budget for 1954 fiscal year calls for 886 million dollars, compared to 941 million dollars for the current fiscal year, ending next June 30.

The big cut is for conservation payments (ACP), from 250 million dollars this fiscal year to 140 million next. The Benson budget calls for an increase of 2.4 million dollars for research. Benson asked more, but Budget Director held the figure down. Farm organization expected to drive for additional research funds.

REA loan funds are cut from 165 million dollars to 120; there will be 25 million dollars unexpended balance at close of this fiscal year. Rural phone loan funds are upped 15 million dollars. PMA budget is slashed 10 per cent.

Home-Talent Playlet

"The Rehearsal," is for school-age children, either grade or high school, and requires little stage setting. The playlet is easy to coach and suitable for any time of year. Send your requests to the Home Service Editor, *Kansas Farmer*, Topeka, Kan. One copy, 5c, 10 copies, 30c.

SCS cut is 3 1/3 per cent, about 1.9 million dollars; crop insurance cut about 1 million. Farmers Home Loan authorizations are down 5-million, half-and-half between farm ownership and housing, and production and subsistence loans.

There will be some changes in personnel in State PMA offices, Benson told the senators.

"An additional change," he said, "has been to put employment of State PMA committeemen on a part-time rather than a full-time basis. We expect this new policy will reduce expenses and will attract people of superior judgment and experience. Many a capable, interested farmer will take a State PMA committee job if he can do so on a serve-as-needed basis, and keep his farm as a going concern.

"The local and county PMA committees choose their own personnel, and there is every intention on my part to see that they continue to do so.

"The local farmers generally have done a good job in selecting personnel.

Likes 4-H News

Dear Editor: I am reporter for the Richland Rustlers 4-H Club of Pratt county. . . . Surely enjoy the 4-H news in *Kansas Farmer*.—Ted Patterson, Rt. 2, Pratt.

An important part of our grassroots approach is to keep these committees with maximum local responsibility.

"The policy-forming and policy-executing functions of the state and county PMA offices are being separated. The policy-forming funds will continue to rest with the state PMA committees selected by the Secretary and the county PMA committees selected by participating and co-operating farmers.

"The committee will function in much the same manner as a board of directors. The state committee will determine the policies of the state office, and these policies will be carried out by a state executive officer working under the committee's direction and responsible to it. Likewise, the county committee will set the policies for the county office, and these policies will be carried out by a county office manager selected by and responsible to it. The county office manager will supervise the day-to-day operations of the county office.

"We are establishing a rotation system for each state committee under which one or more state committeemen will be replaced each year. This will enable us to bring fresh and wider viewpoints to bear on state office policy and operations. It will also insure stability and continuity of policy by retaining experienced members on the committee from one year to the next."

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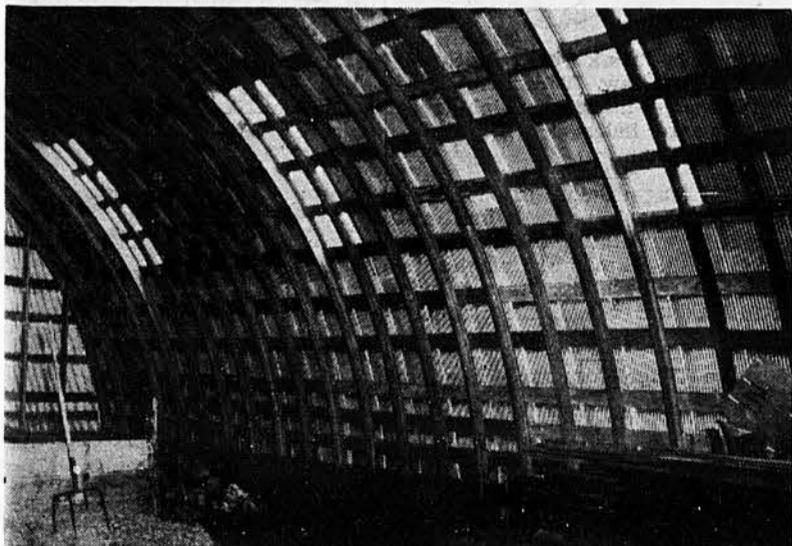
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Write for prices. Special discounts now. Good territory open for live agents.

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

MANY USES FOR BUILDING



NO END to possibilities for this building. Translucent panels admit plenty of light, laminated rafters give post-free interior, and concrete floor provides emergency grain storage. Interior, shown near completion, shed is on Albert James farm, Clay county, where even older buildings are being converted for multiple use.

Cattle

FIT FOR A KING

HYER

BOOTS

There's a reason why Hyer Boots are comfortable from the beginning: In 78 years of boot-making, we have learned a lot about people's feet and have developed lasts that give you the glove-like fit and comfort you want even before they're broken in! Add to that the extra service you get from Hyer Boots. Every bit of material that goes into them is the finest obtainable . . . top quality, even where it can't be seen! Try on a pair of Hyer Boots at your dealer's, or write:

C. H. Hyer & Sons, Inc.
Dept. KF-3 Olathe, Kansas

Makers of Fine Boots



Since 1875

put GLIDE in your TRACTOR RIDE



Don't jounce like this —glide along like this with a Knuedler Tractor Seat. Cuts down "riding fatigue"—you can work longer... feel better! Exclusive combined spring and hydraulic shock absorber completely controls ride... instantly adjusts to your weight. Ball bearings assure longer life.

Over 30 seat models for more than 100 different tractor makes and models! Some have portable underseat tool boxes, "slide-back", "lilt-back", and "furrow-leveling" adjustments. SEND FOR FREE LITERATURE...NAME OF NEAREST DEALER.

Knoedler FARM TESTED PRODUCTS

Air Conditioned Pan Seat Cushions • Ball Bearing Spinners • MOR Tractor Platforms • Burning Hydraulic Couplers • Front End Hitches • Portable Corn Belt Burr Mills • Corn Picker Safety Reverse Gears
KNOEDLER MANUFACTURERS, INC.
DEPARTMENT 708 STREATOR, ILLINOIS

WATER

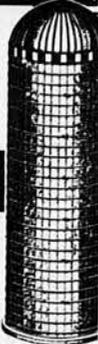
WHEN YOU NEED IT? SPRINKLER IRRIGATION IS THE ANSWER
Increases Crops



SAVES WATER
Write for Folder and Name of Nearest Dealer
A. E. ROBISON CO
4001 Broadway, Kansas City, Mo.

Progressive Farmers Insist ON A "RED & WHITE TOP" SILO

Join the ranks of progressive farmers with a Dodson "Red & White Top" silo. It's the sure way to year 'round feeding, the most profitable way to increase beef and dairy production.



PAYS ITS WAY

Hundreds report that their "Red & White Top" paid for itself in one season and paid a profit besides.

DELIVERS FOR \$38.00

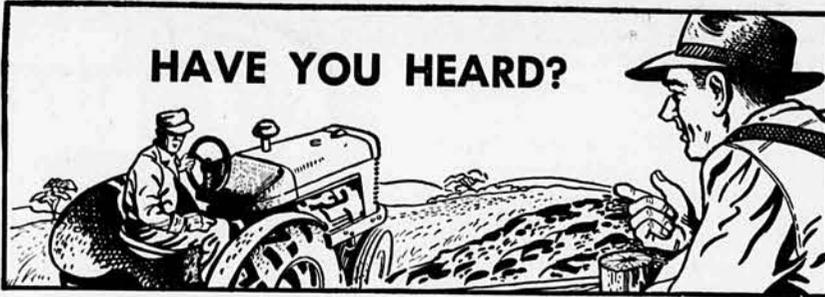
You can have a Dodson "Red & White Top" delivered and erected for as little as \$38.00 down. Investigate this Dodson Plan Today!

NOW Mail for Free Folder

DODSON MFG. CO., INC.
1463 BARWISE WICHITA, KANSAS

Send me information on Silos _____
Dairy Barns _____ Cattle Sheds _____
Building for _____
NAME _____
ST. OR RFD _____
TOWN _____ STATE _____

HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

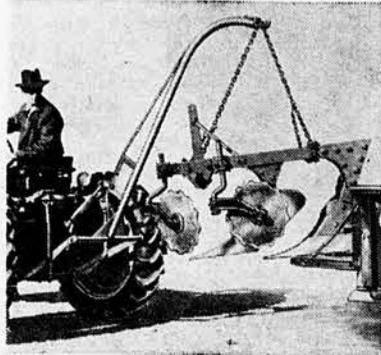
CASE ROTARY HOES stop weeds early. There are 5 big features: self-sharpening, curved, angle steel hoe fingers; all-steel, flexible frame construction; built-in weight boxes, no levers; pressure lubrication for long life and smooth running; 4-section size folds easily for transport. J. I. Case Co., Racine, Wisc.

plants up, and for weeding every time plants are cultivated until they are about 6 inches high.

O. W. Kromer Co., Minneapolis, Minn., announces new low cost boomless-type sprayer. Special nozzle (designed by Spraying Systems) sprays a swath up to 30 feet in width without use of booms. There are 5 nozzles so

Viking Mfg. Co., Manhattan, Kan., has a new farm elevator equipped with efficient hydraulic hoist. Model 40 has hoist mounted on axle, and raises elevator by easy hand-pumping action. Elevator lowers itself automatically—easily, quickly, safely.

Rocklin Tractor Crane is specially designed for 3-point hitch operation. A handy, low-cost, powerful lifting device, it attaches directly to all present 3-point hitch models and is so designed



to fit on other models now in planning stages. Crane reaches to 6½ feet and lifts up to 1,000 pounds. Rocklin Mfg. Co., Sioux City, Ia.

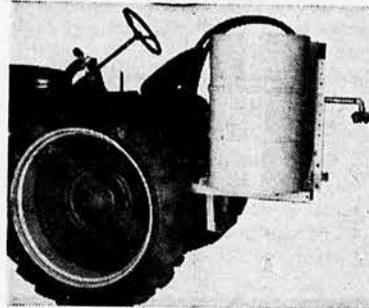
Goodyear Tire & Rubber Co., Akron, O., announce a special tire for planting and tillage implements. Is termed an agricultural press and gauge wheel tire. New unit is made in 2 types.

Goodyear Tire & Rubber Company has added 2 lower-priced tractor tires to their farm tire line. New Marathon Front Tractor Tire (at left in picture)



is built in 4 most popular front wheel sizes. Sure-Grip Rear Tractor Tire (at right) features open-center, self-cleaning tread developed to supply superior traction in soft going. Sure-grip, for use on rear wheels, is reinstated after an absence from the line since shortly after start of Korean war.

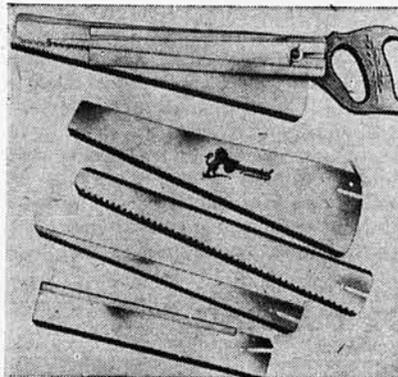
B & W Rotary Weeder is marketed by Servis Equipment Co., Dallas, Tex. The weeder, a rotary hoe, has wide 2-wheel sections mounted on a single standard with 4 dust-sealed ball bearings. Wheels are 15 inches in diameter, have heavy manganese steel tynes or fingers. For row crops, this new weeder breaks up soil crust after rains to get



arranged on a semi-circle to produce uniform spray pattern. Unit is low in cost, simple to operate, especially desirable for high gallonages on coarser spray jobs, says company. Kromer's new barrel rack may be removed from tractor by loosening 3 bolts; will support 2 barrels rigidly, even when one is empty. Universal barrel mounting will fit most tractors without alteration.

The Cathay is a new, self-starting electric clock with bell alarm. Accurate and beautiful—blond or mahogany finish with plain or luminous dial. Measures 4¾ inches high and 4½ inches wide. Perfect workmanship. You'll like it. Nina Skidmore, Dept. 2, 121 Pine St., Elizabethton, Tenn. Please mention "Have You Heard?" when writing.

Five-in-One Saw Set is handy for many jobs. Set includes rip saw, 16-inch hack-saw blade, 16-inch heavy-



duty blade, 14-inch keyhole blade, precision dovetail saw. Blades are sharp and stay sharp—made from high-grade steel. Howard Sales Co., Dept. B-2, Winchester, Tenn.

Craftint Finger Paint Set is ideal for youngsters. Working with brilliant colors in finger painting is educational, entertaining. Paints are washable, harmless, blend readily. Craftint Mfg. Co., 1615 Collamer Ave., Cleveland 10, O.

Krause Wheel-Mounted Tandem Disk Harrow is now on display at Krause dealers. It's mounted on rubber-tired wheels with anti-friction bearings. Disks are tempered to provide a long-lasting "sharp" under field conditions, with no danger from chipping. Krause Plow Corp., Hutchinson, Kan.

Burch Tru-drop Four-row Power-lift Planter plants at uniform depths, even in uneven ground, says Burch Plow Works, Evansville, Ind. Row-width ad-
(Continued on Page 39)

KNEE DEEP IN GRASS



livestock also need Morton's Trace Mineralized Salt

On lush spring and summer pasture livestock also need salt and trace minerals for efficient feed conversion, for health and thrift. Because of heavy cropping and wind, sheet and gully erosion, our soils no longer supply the trace minerals adequately in the natural forages livestock eat.

The easy, economical way to feed trace minerals is Morton Trace Mineralized Salt. Your rewards are better feed assimilation... more meat, milk and wool... faster gains and bigger profits.

Ask your dealer for Morton's T. M. Salt by name... feed it free choice. Write for free salt feeding booklet. The Morton Salt Company, Chicago 3, Illinois.

MORTON Free Choice TRACE MINERALIZED SALT

EASY MONEY!

Want to earn EASY MONEY during your spare time?



If there is no ROGERS LAWN MOWER dealer in your community, you can do just that by becoming a dealer for THE EASIEST...

For dealer prices, illustrated folder, etc., write:

ROGERS MFG. CO.
MARYSVILLE, KANSAS

Heavy Duty Farm Wagon



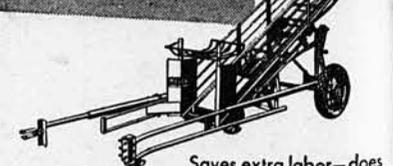
CARRIES 6 TONS
Faster loads Fewer trips, Extra strong steel frame, Timken bearings, Heavy duty wheels. No sideway or shimmy. The big wagon buy for economy and long service.
5th WHEEL STEERING
WRITE FOR FREE FOLDER TODAY!
WINPOWER
NEWTON, IOWA

BAKER MULTI-VALVE FOR JOHN DEERE POWER LIFT

Write for details on low cost hydraulic control for Drawn Implements. Simple to install and low in cost. FREE FOLDERS ON REQUEST
BAKER MFG. CO. NELIGH, NEBR.
HOME OF THE FAMOUS BAKER CONTROL

MEYER Bale Loader

SAVE MANPOWER THIS LOW COST WAY



Saves extra labor—does more work than 2 hired hands! Loads 75 bales in 15 minutes. Picks them up just as dropped, straightens them automatically. Saves baler, too—no strain or breakage pulling skids or wagons. Ground driven, light draft, easily hitched. Two models—bale deck heights 6'9" and 10'9".

Free! Write for descriptive literature and prices Today!

MEYER MFG. CO., BOX 1351, MORTON, ILLINOIS
MAKERS OF FAMOUS MEYER ELEVATORS

Wonderful Results

Raising Baby Chicks

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

You Run No Risk

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

Walker Remedy Co. Waterloo, Iowa

**Interlocking
Cement Stave
SILO**

Take advantage of a liberal discount by ordering now. For complete information write

RADCLIFF SILO CO.

Box 88, N. Topeka, Kansas.
Plants at North Topeka, Kansas,
Boonville and Ste. Genevieve, Mo.

Happy Is The Day When Backache Goes Away

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!

CORONA OINTMENT

Heal all small ulcers, wounds, chaps, cracks with the speedy help of Corona, the Lanolin-rich ointment with eucalyptus, salicylic, and menthol. Many home uses, too! TRIAL SAMPLE 10c Write "CORONA" today. Box 4914, Kenton, Ohio

THE SOIL MOVER!

HYDRAULIC CARRY ALL SCRAPER

FOR CONSERVATION
IRRIGATION . . .
GENERAL FARM
WORK AT
LESS COST!

MOVE MORE DIRT with the soil mover front pick-up—dump backward without stopping. Uses tractor hydraulic system. There's a SOIL MOVER designed for your tractor. From 1 to 3 1/2 cu. yds. capacity—Automatic rear-leveling gate. 7 models to choose from. A proven scraper—built since 1939.

THE SOILEVLER!

OUTPERFORMS
THEM ALL!

LEVEL OFF!
All fields need leveling regardless. Eliminate potholes—dead furrows, etc. Adjustable rear axle floats—dry or wet fields. 24 ft. long—8 or 10 ft. bucket hydraulically operated. Pulls in 3rd gear with ordinary farm tractor. Heavy pipe frame—7 years field tested.
Buy a real leveller—THE SOILEVLER. Write for free literature and name of your dealer.
CONTINENTAL EQUIPMENT CO.
COLUMBUS, NEBRASKA

THE SOIL MOVER CO.
COLUMBUS, NEBR.

adjustments range from 40-inch minimum to 32-inch maximum. Burch E-Z-Go wheel-mounted disc harrow leaves no ridges, mulches clods, cleaves ground ready for seedbed despite hard ground it may go thru.

O'Shuffl is an entertaining family game. For indoors or outdoors—this shuffle board game is on a gray-toned strip of hard surface, linoleum-type floor covering. Measures 9 feet by 36 feet, has gay colors. Gametime, Division of Carthage Mills, 124 West 66th St., Cincinnati, O.

Quonset All-Purpose Granary has a "down-flow" circulation system in which unheated air is drawn from outside building, thru grain and exhausted from a tunnel, extending length of building in center of its floor. Great Lakes Steel Corp., Stran-Steel Division, Detroit, Mich., says cost of drying method used is only about 3 cents a bushel.

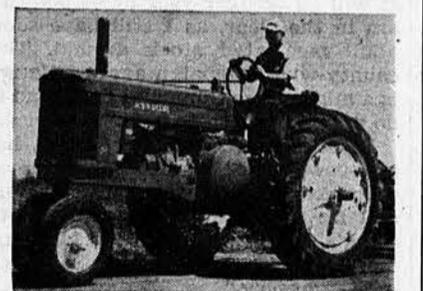
Guard'n'Aid is a soil conditioner-fertilizer which makes clay soils more receptive to water. Enriches soil for gardens, vegetable plots, lawns, plantings. Garden Aids, Inc., Dept. KFMR, Laurel Springs, N. J.

Dearborn Economy Single Bottom Plow gives thoro coverage when plowing in rank growth and heavy trash. Is capable of plowing as deep as 10 inches with either 16 or 18-inch economy bottom. Has excellent pulverizing ability; saves time and expense in preparing seedbed.

Fro-Glow is a soft-quilted, durable hot-and-cold "pack-in-one" for the home. Use as hot-water bottle or ice bag. Is filled with a harmless and stainless fluid—electronically sealed—easily and quickly heated or chilled. H. Gloeckler Associates, Inc., 155 East 44th St., N. Y. 17, N. Y.

Butynorate, chemical compound, has been found highly effective for removal of tapeworms from chickens. Dr. Salisbury's Laboratories, Charles City, Ia., says butynorate is safe for poultry, with no ill effects on feed consumption, growth or egg production.

Model "60" Tractor of John Deere & Co., Moline, Ill., is being introduced along with Model "50". They are successors to Models "A" and "B", and feature many new designs and advancements. Results are easier, livelier and more economical operation. Shown here is Model "60" Tractor and 9-foot "KB" Wheel-Carried Disk Harrow. The "60"



has plenty of drawbar power to handle this heavy-duty disk harrow in all soil conditions. Powr-Trol lever gives easy maneuverability.

"Power Steering" for farm tractors and self-propelled combines is being placed on market by the C & C engineering Co., Lewis, Kan. Power Steering can be attached easily and quickly directly to the rod and link rod on any tractor or self-propelled combine. Finger-tip control gives effortless driving under all conditions.

Flex-Trax are a set of high-speed crawler tracks designed to give you 2 tractors in one. On firm, hard ground the regular rubber-tired tractor operation is used. On snow, ice, muddy ground or sand, tractor automatically converts to a crawler type. Flex-Trax greatly increase draw bar pull. Easy to mount and remove. There's no slippage. Covers 80 per cent of tire tread, eliminating tire wear. National Machine Co., Des Moines, Ia.

Year's Best Grain Auger Buy!

NEW MODEL 8-30 **BAZOOKA** SPIRAL GRAIN LOADER

Quality Built All Purpose Carrier and Truck Units Amazingly Low Priced

Carrier units in 20 and 26 foot fixed lengths complete with cable hoist, truck hitch, adjustable motor mount and belt tightener. Truck models in 14 and 20 foot fixed lengths with adjustable motor mount and swivel truck bracket.

Heavy lock joint tubing, helicoid flighting, high speed sealed bearings head and tail all models. Rugged carrier, as illustrated, with motor mounted below upright.

No other low cost auger gives you all these features...or more for your money. See the Bazooka dealer. Write for full details...now.

Truck Units for Gas or Electric Power
The Bazooka Truck Unit is available for gasoline engine, as illustrated, or can be used with electric motor at head with short belt drive.

3 Other Better Built Bazooka Models
Model A with famous Flexodrive and carrier. Best grain handler of all. Gas or electric drive.
Super A-50 high elevation unit with scissors carrier and Flexodrive. Elevates to 33 feet. Gas or electric drive.
Model C Upright tube with electric motor at head, for permanent installations.

Low Cost Jayhawk Stacker - Loader - Sweep

Makes Stacking Your Hay the Most Economical Way

To put up hay the cheapest way...get a Jayhawk and stack it. You'll do the job in less time, with less work and at far less cost. Hydraulic or mechanical operation. One bolt hook up to tractor, truck or jeep. Little about it to wear out. See your Jayhawk dealer. Write direct for full details, low cost.

Hydraulic conversion units available for all Jayhawks after 1938.

THE WYATT MFG. CO., INC. JAYHAWK FARM IMPLEMENTS SINCE 1903
1054 5th STREET SALINA, KANSAS

Buy United States Savings Bonds Today

MORE POWER TO YOU!

...with Char-Lynn's

NEW Hydra-Power RAM WITH FINGER-TIP STROKONTROL

...and the FAMOUS HI-LO-PAC POWER UNIT

...get MORE PRODUCTION with less help!

It's easy to get the toughest jobs done with Char-Lynn's Hydra-Power System of Farming. The New Hydra-Power Ram with Strokontrol (positive depth control) handles even heavy tillage implements smoothly and efficiently. The versatile HI-LO-PAC Pump delivers adequate power even at idling speeds for the hydraulic operation of every type of farm implement. Easy to operate and maintain, both are readily mounted on any make of tractor and farm implement built to ASAB specifications.

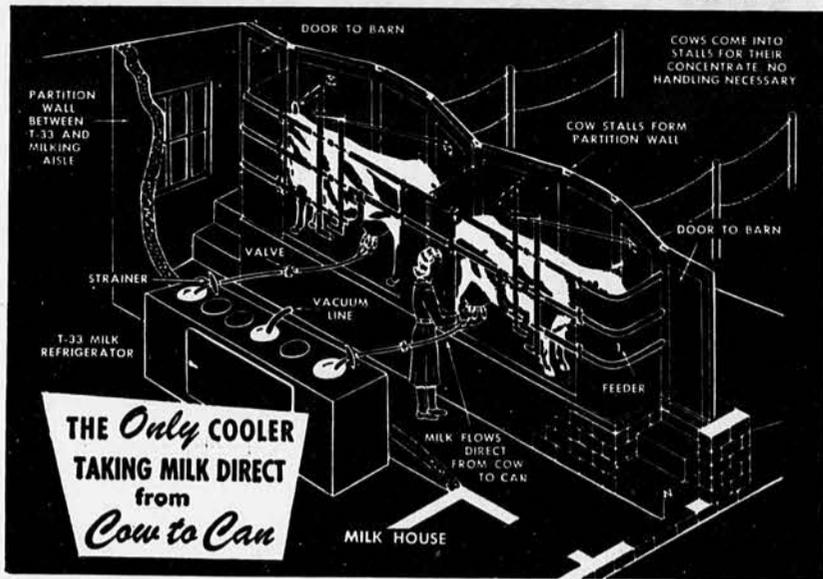
Find out how YOU can increase your production and reduce your costs with Char-Lynn's Hydra-Power System of Farming.

WRITE FOR FULL DETAILS TODAY.

Char-Lynn first in FARM HYDRAULICS

CHAR-LYNN COMPANY • 2887 26th AVENUE SOUTH, MINNEAPOLIS, MINN.

AUTOMATIC MILKING INCREASES PROFITS



Produce profitable high grade milk AUTOMATICALLY . . . without stooping, carrying or pouring, without lifting heavy milk cans. Just install milking parlor, connect milk machine to our T-33 refrigerator or T-33 tank cooler, and you have the 20th Century System of milking. Milk flows direct from cow to can—never exposed to outside air—starts cooling instantly. When first can is full, milk automatically by-passes to next can. Keeps milk grade high, bacteria low, insures top prices. Pays for itself in 6-12 months. Write today for free literature and installation plans.

ZERO MANUFACTURING CO., 608-D Duncan Ave., Washington, Mo.

...TAKE A LOAD OFF YOUR FEET WITH SOLES OF CUSH-N-CREPE

HARD WORK is a lot easier when you have these feather-light Cush-N-Crepe soled work shoes on your feet. Wedgie sole shoes on a natural arch support which is a natural arch support which helps absorb shock and wears like iron. Sweat-proof insole that will not crack or curl. Multiple widths and sizes to insure correct fit.

WORK SHOES—
Choice of Chocolate Elk or Brown Retan Uppers.

WORK OXFORD—
Mahogany Elk with stitched pac toe.

SEE THEM... TRY THEM ON AT YOUR DEALERS

Write for our booklet—**"YOUR SHOES" FREE!**

RED WING SHOE CO.
156 MAIN STREET • RED WING, MINN.
Branches at Dallas, Texas • Salt Lake City, Utah

RED WING SHOES SINCE 1905

Read the Ads in KANSAS FARMER

There's a world of helpful information in the scores of advertisements in EVERY ISSUE — READ THEM CAREFULLY.

If you want to find out more about the articles described, don't hesitate to write the advertiser.

YOU CAN BUY ADVERTISED PRODUCTS WITH CONFIDENCE

Let Your CATTLE TREAT THEMSELVES for LICE, GRUBS, TICKS, FLIES with a NATIONAL REVOLVING APPLICATOR

CATTLE GO UNDER . . . OR OVER

Lice, grubs, ticks and flies make cattle itch and rub on the National Revolving Applicator as naturally as they rub on a post or go under a limb to brush off flies. Your cattle treat themselves—you save round-up shrinkage and wages for extra help.

NOW BETTER THAN EVER! New-type cover reinforced with insecticide-carrying rope—gives more scratch—lasts longer—puts the insecticide where it is needed.

NATIONAL REVOLVING APPLICATOR \$23.50*
(without post or weight)

SAVE MORE THAN 1/4 WITH **NATIONAL CATTLE INSECTICIDE CONCENTRATE**

One gallon of National Cattle Insecticide Concentrate when diluted to five gallons gives you a full-strength insecticide—a 3-way killer. Use it in any applicator—winter or summer—for lice, grubs, ticks and flies on dairy, feedlot or range cattle. Each gallon makes 5 gallons of full-strength insecticide. **\$9.00 per gal.***

\$8.50 per gal. in 4-gal. cases*

SAVE ON DDT—GET NATIONAL 25% DDT CONCENTRATE

National 25% DDT Concentrate gives low-cost aid in control of lice and flies on stock cattle in summer. Dilute at least 5 to 1 with paraffin oil or fuel oil **\$4.00 per gal.*** for use in any applicator; dilution instructions on label for spray or dip. **\$3.80 per gal. in 4-gal. cases***

Post-Killing Combination
• One National Revolving Applicator
• One gal. National Insecticide Concentrate
Both for **\$32.00***

One National Revolving Applicator 4 gal. National 25% DDT Concentrate BOTH FOR \$38.50*

* If your dealer cannot supply you, order direct from factory. All orders except C.O.D. shipped prepaid. Save C.O.D. fees and postage—send check with order.

SATISFACTION GUARANTEED OR YOUR MONEY BACK

NATIONAL VACCINE AND SERUM CO., INC.
Box 296—144D Colorado Spring, Colo.

Can We Drive Out Brucellosis?

(Continued from Page 4)

than farmers realize. If the vaccination is official, cattle can be sold in most states up to 24 months as vaccinates. If the vaccination is not official and the animal reacts it is not acceptable in interstate shipment.

"The buyer never is sure whether he is buying a vaccinated calf or the real disease when vaccination is not official," he continues. "There also is a human safety factor involved. The vaccine we use for Bang's is a live vaccine. If it gets under your skin or into your eyes it will give you the disease. The farmer or unskilled technician shouldn't take chances with the vaccine. Because it is a live vaccine, too, it is more perishable. If not properly cared for the vaccine may not be any good when the farmer is ready to use it," he warned. He also urges that farmers not depend on claims that minerals will prevent or cure Bang's. "They won't," he says.

"Bought and Paid for It"

Discussing Bang's disease, Doctor Hull adds: "The ironic thing about Bang's disease is that 90 per cent of it is bought and paid for by the farmer. He either gets it from buying adult females to bring into his herd, or from putting his cattle out on pasture where they come in contact with diseased animals."

Records on officially vaccinated calves, farmers learned at the April 15 demonstration, are kept in triplicate. One copy goes to the farmer, one to the veterinarian and one to the Kansas Livestock Sanitary Commission office, in Topeka. All calves so vaccinated must be ear tattooed or ear tagged for identification.

Here are a few comments from a cross-section of livestock men in Clay county who are interested in the campaign being started there:

Wallace Benson, Clay Center: "I went along with my Jersey herd for 10 years without any trouble. Then, 2 years ago I moved onto a new place and was in trouble before I knew it. I had to sell more than 20 head of fine Jersey cows for meat. And you know Jerseys don't produce much meat. I figure my loss on the sale of cows alone at \$2,000 to \$3,000. But that wasn't my biggest loss. I had a big loss in milk production. Today I ought to have 25 to 30 good producing cows and only have 12. I started vaccinating for Bang's a year and a half ago. I'm buying young calves as replacements and vaccinating them. It will be another year or so before I am in the clear, as I still have some adult-vaccinated stock around. This county-wide campaign against Bang's is a mighty fine thing and I am glad to do anything I can to help."

R. B. McCartney, Clay Center, has a 30-cow herd of Herefords. "I've never practiced calfhood vaccination before and haven't had any trouble with Bang's, but I'm not going to take any more chances. I'm starting to vaccinate right now."

Never Lost a Calf

Lafe Myers, Clay Center, has 27 registered purebred Hereford cows. "I started my herd in 1944 and an old dairyman gave me some good advice then," he remembers. "He said I should vaccinate my calves against Bang's disease by all means if I intended to stay in the cattle business. I have followed the vaccination program carefully and have never lost a calf from Bang's. In fact, for the last 3 years I have had a 100 per cent calf crop. Calfhood vaccination is the most important thing we can do to stamp out Bang's."

John Roth, Green, has registered Hampshire hogs and polled Herefords. He farms in partnership with his brother, Paul, and is a member of the Clay County Farm Bureau commodity committee. "We can't do anything to protect our hogs, they say, but we can protect our cattle," he points out. "We have been vaccinating our calves several years and have never had any trouble with Bang's. Calfhood vacci-

nation seems to be the easiest and best way to stop Bang's, and I find there is increased interest in vaccination among farmers in my neighborhood. Quite a few of them already are vaccinating and more plan to do so."

Dexter Weir, Clay Center, is another dairyman who has had some first-hand experience with Bang's. In fall of 1948 he thought he had a clean herd of Guernseys when he had them tested before a sale. Five cows were found to have the disease. "I lost heavily on their sale value," he recalls. "I immediately vaccinated the entire herd adults and all. I have gradually disposed of adults but have continued to vaccinate all calves. Calfhood vaccination is our only way out, as I see it."

Jim Carnahan and son, Dale, Clay Center, have a herd of 35 Ayrshire cows and heifers. As stated before, the Carnahans have had no Bang's but says Mr. Carnahan, "We were taking lots of chances buying stock cattle and running them on pasture with our dairy stock. Now, we're convinced of the dangers, we are going to vaccinate our calves and be much more careful in handling our stock."

Farm Bureau Started It

Original impetus for the present Clay county drive, of course, is due to the thoro work of the Kansas Farm Bureau commodity committee, under direction of Ezra E. Stockebrand, commodity director for the bureau. The committee is composed of W. I. Boone, Eureka; Harold Jones, Hamlin; Harold Cowen, Fort Scott; Melvin Ralph, Girard; Lawrence Feltner, Burlington; Harold Scanlan, Abilene; Nicholas Heitschmidt, Natoma; C. E. Waugh, Sharon Springs; Chesley Barstow, Larned; Wendel McMinimy, Ashland; Wayne Tjaden, Wichita, and August Scheetz, Topeka.

"These men represent all agricultural industries in Kansas," says Mr. Stockebrand. "We made a thoro study of brucellosis and the work being done by other states. We found that Kansas was making progress but was not keeping pace with other states. As a result our committee finally recommended to the Kansas Farm Bureau that the bureau endorse the Kansas Brucellosis Eradication and Control Plan and that the bureau co-operate with county Farm Bureau boards, local veterinarians and livestock leaders on a county calfhood vaccination program in a pilot county to determine whether that county could be made a Bang's-free, certified area. We hope, of course other counties will follow suit to eventually make all of Kansas Bang's-free. This will mean vaccination of every calf, beef or dairy between the ages of 4 to 8 months."

Discovered These Things

Here are some things the commodity committee discovered about brucellosis that led to the Clay county campaign. Animal losses from Bang's in the U. S. total 100 million dollars yearly. Included in this is the loss of 325,000 aborted calves and 1 1/4 billion pounds of milk production. Total loss does not include losses in the swine industry. Seventy-five per cent of all human undulant fever is caused by handling infected tissues from diseased animals. Seventy-seven per cent of all persons who get undulant fever are men, which means the head of the farm enterprise is most likely to be victim. A professor in Minnesota recently ran skin tests on hundreds of farmers and found 30 per cent of them showed infection from undulant fever. Treatment is costly.

Summing up the Clay county position, Mr. Carnahan said: "Our local commodity committee came to the conclusion that within the next 2 to 3 years controls will have reached a point in other states where Kansas dairymen and stockmen will be seriously handicapped in marketing. We are glad to serve as a pilot county to put Kansas back in the running in Bang's eradication and control."

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It Took Courage

(Continued from Page 6)

piece, 2½ miles of it in a row. Their cropland last year included 800 acres of wheat, 120 acres of alfalfa and 20 of lespedeza, 110 acres of corn, 119 acres in mixtures of such grasses as Reed canarygrass, bromegrass, timothy, tall wheatgrass and alfalfa. They are also trying broad-leaf trefoil, intermediate wheatgrass and have an excellent stand of sandlove grass, alfalfa and sweet clover.

With 1,000 acres terraced they have only 30 acres to work to complete their all-around conservation program. An irrigation well used 3 years for potatoes, is now set up so a sprinkling system can be used for alfalfa if needed.

Mr. Pianalto's leadership and interest in his community and good farming are shown by a long list of accomplishments and services. In 1950, he was a soil conservation service award winner and has served as an SCS committee-man. He has been on the Rural Electrification board since 1940. He was first in the county to put up grass silage—his first trial was with barley and alfalfa. He is a member of the artificial breeding association and has been a member of the Farm Management Association.

Just last month Mr. Pianalto was honored by *Kansas Farmer* in the new group of Master Farmers for the class of 1952.

Interest of the Pianalto children is still pretty much at home. Lester, the oldest son, farms on adjoining property, is secretary of the ABA and a Farm Bureau board member. He is working on a new grade-A dairy barn at present.

The daughters are staying pretty close at home, too. Mrs. Lorine Bliss is at Atwood, Charles is in the army, Gene is manager of a store at Great Bend, Elmer is at home, Mrs. Ben Fairmon is at Straton, Nebr., Mrs. Carl Anholtz at McDonald, Marjorie and Georgene are in school at Ft. Smith, Ark., and still at home are Patty, John, Albert, Francis, Fred, Betty, Shirley and Linda.

Study New Dairy Sanitation Ideas

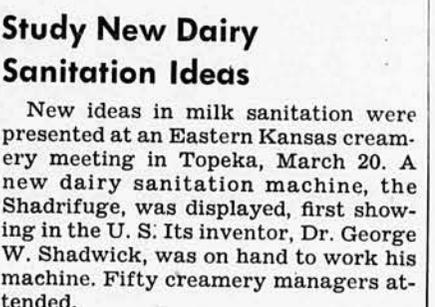
New ideas in milk sanitation were presented at an Eastern Kansas creamery meeting in Topeka, March 20. A new dairy sanitation machine, the Shadrifuge, was displayed, first showing in the U. S. Its inventor, Dr. George W. Shadwick, was on hand to work his machine. Fifty creamery managers attended.

The Shadrifuge is expected to clean up many unsanitary methods present in some creameries. An inner, nylon screen stops all foreign material such as flies, dirt and other substances.

Sam Alfend, chief of the Kansas City district of the U. S. Pure Food and Drug Administration, spoke to the group. He believes Kansas creameries will make greater sanitation improvements by 1955 than at any time in past history. New methods of straining cream, cream grading, and plant sanitary methods will make Kansas a leader in dairy sanitation.

A similar meeting was held March 25, in Hutchinson, for Western Kansas creamery operators from 26 plants.

"Things ain't ta' same around here since we've been electrified!"



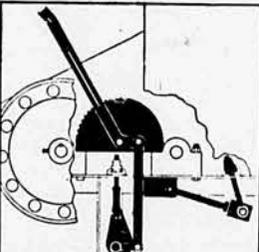
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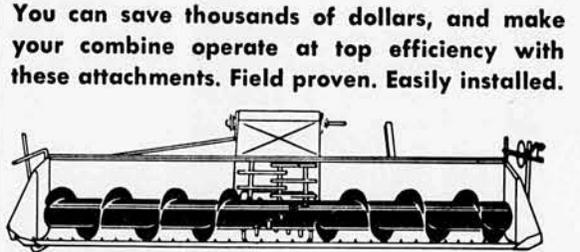
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Easy concave adjustment from operator's seat. Quick clean-out. Precision concave adjustment raises or lowers both sides at the same time. Fits M-H, IHC, and other SP combines.



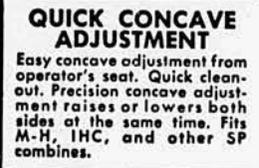
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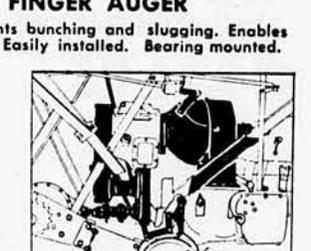
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More Sorghums to Be Planted; Here Are Best Varieties, Rates, Dates

KANSAS PROBABLY will have about 45 per cent more acres planted to sorghums this year than last. That was the opinion of Kansas agricultural specialists, expressed at a press and radio conference on sorghum production at the Fort Hays Branch Experiment Station of Kansas State College recently.

Superintendents and personnel of experiment stations at Hays, Colby, Garden City, Tribune and Manhattan anticipated the increase in sorghum acreage in the face of expected heavy wheat acreage abandonment.

Unless weather conditions are almost ideal for the next 30 to 45 days, the experts guessed 40 to 60 per cent of the seeded wheat acreage might be abandoned. Most of that acreage, they said, should go into sorghum. They stressed the importance of sorghums in stabilizing plains agriculture, but mentioned that good seed of adapted varieties may be in short supply.

Frank Bieberly, Extension agronomist at Kansas State College in Manhattan, urged farmers to plant some forage-type sorghums to build up at least a 2 year supply of silage as a hedge against years of short feed supply.

Thank You

Dear Mr. Gilkeson: My folks take *Kansas Farmer* and I enjoy reading it so I can learn what the 4-H'ers are doing.—*Roberta Swenson, age 10, Rt. 1, Falun.*

ply. W. W. Duitsman, superintendent of the Hays Station, said that station's beef herd is being fed silage stored in 1950, and mentioned tests which prove silage can be preserved satisfactorily at least 13 years.

Most common errors in sorghum production, the specialists said, are planting too early at too heavy a rate, using unadapted or unrecommended varieties, improper seedbed preparation, and using poor seed.

Watch Planting Date

Since sorghum is a warm-weather crop, soil temperature should be at least 60 degrees before planting time, the experts advise. When planted earlier, the seed will not germinate until the soil has warmed, anyway. So, they stressed, early planting does not necessarily bring about earlier maturity as many believe.

Too heavy seeding, particularly in areas of low rainfall, is harmful to yield. If moisture is low, too heavy seeding will cause competition by plants for available moisture, resulting in reduced yield.

General sorghum recommendations made by the experts were:

Seedbed should be moist, warm, weed-free, firm and mellow. Moisture should be within 2½ to 3 inches of the surface and 2½ to 3 feet deep. Several cultivations in April and May are recommended to kill weeds. Sorghums respond well to summer fallow, doubling their yield on such land over continuously-cropped land at Hays and Garden

City. Only good seed of adapted varieties should be planted, at recommended dates and rates of planting. Sorghums are not hard on the land. In tests, wheat on fallow following sorghums produced as well as wheat on fallow following wheat.

Specific sorghum recommendations by areas are:

Northwest Kansas (Colby Station)—Best grain varieties are Midland, Martin, Colby and Coes. For forage, plant Early Sumac, Norkan, Ellis and Leoti Red. Recommended planting dates are the first week in June, at a rate of 2 to 4 pounds per acre.

Southwest Kansas (Garden City Station)—Recommended grain varieties are Westland, Midland and Martin; forage varieties are Axtell, Early Sumac and Leoti Red for dry land production, Atlas and Axtell under irrigation. Plant between June 5 and 20 at a rate of 2 to 3 pounds per acre on dry land between May 25 and June 5 at 8 to 15 pounds per acre under irrigation.

Central Kansas (Hays Station)—Top forage varieties are Ellis, Norkan, Early Sumac and Leoti. Best for grain are Midland, Martin and Westland. Plant between May 25 and June 10, at 3 to 3½ pounds per acre.

Eastern Kansas—Forage varieties recommended are Axtell and At'as, with the latter most popular. For grain production, best varieties are Oklahoma 4414, Redland, Midland, Westland and Martin.

Aid Flood Refugees

Kansas CROP (Christian Rural Overseas Program) committees are helping relieve English and Dutch flood sufferers. Two cars of dried milk and a car of lard have been sent to England to aid flood refugees. Farm directors of radio stations are collecting funds to help rehabilitate Dutch farmers by providing livestock, seed, tools or fertilizer.

Invent Silo Machine

A new machine to test resistance of silo staves has been invented by Prof. F. C. Fenton, head of Kansas State College agricultural engineering de-

Which Came First?

Which came first, the chicken or the egg?

If one believes all higher life sprang from single-cell animalcules, then in a sense the egg existed first. But if one believes the theory of evolution is correct, then the producer and the product both could have been created at the same time. It would have been as easy for the Creator to create a full-fledged hen capable of laying eggs as to create an egg capable of hatching and producing a hen.

partment. Constructed by Wayne Zimmerman, senior student, machine is only one of its kind in existence.

Tests show well-cured concrete has greater resistance to acids than concrete which has been allowed to dry out before curing takes place. Tests have been run on various protective coatings. At present, tests are being conducted on new plastic paints, resins and silicone waterproofing coatings.

Advantage of this machine is that value of a new coating can be determined in 3 weeks instead of an entire season if it were used in a silo.

Broomcorn Used In Unusual Business

How is broomcorn used in making brooms?

The Hartman Broom Company, at Clay Center, uses this unusual farm crop for their flourishing but little-known industry. After bales of broomcorn are dyed, bleached, dried and sorted, the broom begins to take shape. After the bristles have been wired onto the handle by one of 8 skilled employees, it is stitched. Number of rows of stitching indicates grade of broom. The more rows, the better the broom. Bottom of the broom then is trimmed, broom is dried thoroly, packed in dozen or half-dozen lots. Then the finished products are mailed.

The Hartman company makes 9 brands of brooms, besides whisk brooms, and has a selling territory of 17 states. The Hartmans' great-grandfather started the business on a farm south of Linn in 1875, then moved to Clay Center in 1900.

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You will get full pulling power from B. F. Goodrich Power-Curve tractor tires, even where the going is rough. Each husky cleat is pointed with an arrowhead that digs into the soil easily, assures greater drawbar-pull. The Power-Curve tread is shaped like a round-pointed shovel for better penetration, full traction in reverse or forward. Power-Curve cleats are evenly spaced from center to shoulder to form

open channels that can't clog with dirt. The tread stays clean so every turn of a Power-Curve tire counts for maximum traction. You get longer service from these BFG tires because the extra-high cleats wear longer, won't bend on hard surfaces. Look under Tires in the Yellow Pages of the phone book for the name of your nearest retailer or write Dept. F-40, The B. F. Goodrich Company, Akron, Ohio.

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May 2 Will Be Our Next Issue Ads for the Classified and Livestock Section must be in our hands by Tuesday, April 21 If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

TREND OF THE MARKETS

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

Table with 4 columns: Commodity, Week Ago, Month Ago, Year Ago. Rows include Fed Steers, Hogs, Lambs, Hens, Eggs, Butterfat, Wheat, Corn, Oats, Barley, Alfalfa, Prairie.

Public Sales of Livestock

- Jersey Cattle: May 4—Kansas Jersey Consignment Sale, Hutchinson, Kan. May 16—Hyer Quality Classic Sale, Springfield, Mo. Chester Folck & Sons, Sales Managers, Springfield, O. Holstein Cattle: May 20—East Central Kansas 3rd Annual Holstein Sale, Tonganoxie, Kan. Grover Meyer, Sale Manager, Basehor, Kan. Brown Swiss Cattle: April 27—Dr. Pearson, Waukeg, Ia. Norman Magnussen, Sales Manager, Lake Mills, Wis. May 2—Donald Robertson, Fowler, Ill. Norman Magnussen, Sales Manager, Lake Mills, Wis. Aberdeen-Angus Cattle: April 21—Herman J. Steinbuechel Dispersion, Florence, Kan. Sale at J. J. Crowther Sale Barn, Canton, Kan. April 29—Salina Angus Sale, Salina, Kan. Lloyd Ericson & Gene Sundgren, Sale Managers. May 1—A. R. A. Ranch, Encampment, Wyo. Sale at Silver Top Farm, Belton, Mo. H. B. McCorkle, Sales Manager, Smithville, Mo. May 2—David R. Miller, Smithville, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo. May 4—Penney & James, Hamilton, Mo. J. B. McCorkle, Sales Manager, Smithville, Mo. May 6—Marycrest Farm, Maoy, Ia. J. B. McCorkle, Sales Manager, Smithville, Mo. May 6—Harken Farms, Osceola, Ia. J. B. McCorkle, Sales Manager, Smithville, Mo. May 7—Pagemere Farms, Clarinda, Ia. May 13—Fred Chilen, Miltonvale, Kan. Sale at Salina, Kan. May 14—Cove Creek Valley Farm, E. R. Ewing, Owner, Ulrich, Mo. Hereford Cattle: April 22—John Ravenstein & Son, Belmont, Kan. April 22—Salina Hereford Sale, Salina, Kan. Gene Sundgren, Sales Manager, Salina, Kan. April 28—Kansas Hereford Sale, Emporia, Kan. April 30—Cheyenne Hereford Ranch Sale, Jamestown, Kan. Sale at Concordia, Kan. May 4—Marshall County Hereford Breeders' Association, Marysville, Kan. Elmer E. Peterson, Sale Manager, Marysville, Kan. May 9—Belden & Schuetz, Horton, Kan. June 13—P. J. Sullivan Dispersion, Horton, Kan. July 11—O'Bryan Polled Herefords, Hiattville, Kan. September 7—Lee M. Smith, Claremore, Okla. Complete Hereford dispersal. September 28—E Ranch, Topeka, Kan. October 1—Broken Winecup Ranch, Marion, Kan. October 5—Beeks & Cleland, Baldwin, Kan. October 7—Brown Bros. & Streeter Funk, Fall River, Kan. October 29—Kansas Flint Hills Association, Cottonwood Falls, Kan. November 4—Lincoln County Hereford Association, Sylvan Grove, Kan. November 6—Cowley County Hereford Breeders' Association, Arkansas City, Kan. November 11—W. H. Tonn & Son, Haven, Kan. December 1—South Central Hereford Association, Newton, Kan. Ayrshire Cattle: May 7—Kansas Ayrshire Association Sale, Iola, Kan. Dwight E. Hull, Sale Manager, El Dorado, Kan. May 11—Kansas Ayrshire Association Sale, Garden City, Kan. Dwight E. Hull, Sale Manager, El Dorado, Kan. Guernsey Cattle: May 27—Arthur H. Penner Dispersion, Hillsboro, Kan. Polled Hereford Cattle: April 18—Mid West Polled Hereford Association Show and Sale, Deshler, Nebr. Fred C. Duey, Sale Manager, Chester, Nebr. April 20—Paul & Gladys Molz Polled Herefords, Kiowa, Kan. April 21—Joe Maes Polled Herefords, Bushton, Kan. Sale at Osborne, Kan. Vic Roth, Sale Manager, Hays, Kan. May 20—Golden Willow Ranch, Liberal, Mo. September 28—E Ranch, Topeka, Kan. November 2—Frank Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma. November 20—Central Kansas Polled Hereford Association, Herington, Kan. O. J. Shields, Sales Manager, Lost Springs, Kan. Red Poll Cattle: November 11 & 12—Annual meeting and National Sale, Topeka, Kan. F. A. Sloan, Secretary, 3275 Holdrege St., Lincoln, Nebr. Polled Shorthorn Cattle: April 20 & 21—National Polled Shorthorn Congress Show and Sale, Hutchinson, Kan. American Polled Shorthorn Society, Sales Managers, 7 Dexter Park Ave., Chicago 9, Ill. April 22—Thiemans, Concordia, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr. Corriedale Sheep: July 27-28—All-American Corriedale Breeders Show and Sale, Columbia, Mo. Rollo E. Singleton, Secretary-Manager, 108 Parkhill Ave., Columbia, Mo. Dorset Sheep: April 21—Leonard Steward, Grenola, Kan. Sale at Winfield, Kan. Suffolk Sheep: June 8—Warrick & Rock, Oskaloosa, Ia. Sheep—All Breeds: May 16—Valley View Ranch 4-H and FFA Lamb Sale, Haven, Kan. June 19-20—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, care State Department of Agriculture, Jefferson City, Mo.

Selling in the National Polled Shorthorn Congress April 20-21 Hutchinson, Kansas 1 herd bull prospect by Diamond Collynie. 1 female by Vanities Goldspar. Have bulls, heifers and cows with calves for sale. A reduction in prices. Visit my farm, 30 miles southwest of Hutchinson, Kan. JOHN F. REECE LANGDON, KANSAS 4 miles south and 2 1/2 miles east

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Polled Hereford Bulls For Sale—A few good bulls sired by P.V.F. Advance Worth 35th. Serviceable ages. LESTER H. KOLTERMAN, Onaga, Kan.

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

GROVER G. MEYER, Basehor, is owner of Eoh Trilune Pansy, registered Holstein-Friesian cow who recently completed a production test with Holstein-Friesian Association of America. Her record was 414 pounds of butterfat and 14-128 pounds of milk, on a 303-day test, on 2 times a day milking. Her record averaged about 21 quarts of milk daily.

The SUTOR HEREFORD FARM SALE was held March 20 at Plainville. The farm is located near Palco. Seventy-two lots sold for a total of \$18,040 to average \$265. Thirty-nine bulls made an average of \$298; 33 females, \$195. Top-selling bull was Lot 1, SHF Mission Larry 1st; he brought \$400 on bid of Koch Bros., Cawker City. Another bull also was sold for \$400, going to R. Pennington, Bogue. Lot 75, SHF Miss Premium 28th, was top-selling female, going to

Among REGISTERED HOLSTEIN-FRIESIAN cows in Kansas whose recently-completed production records were recorded with the Holstein-Friesian Association of America are: Zarnowski Burke Nellie, owned by Clarence Zarnowski, Halstead—562 pounds butterfat, 16-281 pounds milk, 302 days, 2 milkings daily. Collins Farm Burke Ella, Harvey Bechtelheimer, Sabetha—525 pounds butterfat, 14,566 pounds milk, 357 days, 2 milkings daily. Rag Apple Burke Artis, E. A. Dawdy, Salina—667 pounds butterfat, 17,644 pounds milk, 349 days, 3 milkings daily. Queen Elsie Inka Payne, Kenneth Benedict, Louisburg—616 pounds butterfat, 15,875 pounds milk, 314 days, 2 milkings daily.

On March 16 the HARLEY FARMS Shorthorn sale, held at Baxter Springs, totaled \$19,425 on 59 lots, making a general average of \$330. Eleven bulls averaged \$560; 48 females averaged \$276. Top bull in the sale was Lot 3, Hartley Farms Dura 25th, and sold to John Schenck, Holly, Colo., for \$1,000. Top female was Lot 19, HF Missie Supreme, with heifer calf at side. She sold to Wilbur George & Sons, Oswego, for \$460. C. D. (Pete) Swaffar, Tulsa, Okla., was auctioneer.

J. C. Costello, Phillipsburg, for \$345. Freddie Chandler sold the sale, assisted by livestock fieldmen of various livestock presses.

Two Kansas Jersey owners have cows recently completing tests with the American Jersey Cattle Club. Two cows owned by C. R. BEER & SONS, Larned, received special recognition. Highfield Lea Sally (4 years and 10 months) produced 11,185 pounds milk containing 598 pounds butterfat and Highfield Alice Faunie (4 years) produced 10,384 pounds milk containing 546 pounds butterfat. In terms of production records made at a mature age of 6 years on twice a day milking, 305-day basis, these records both exceed 550 pounds butterfat. Richland Blonde Lucy, owned by OEA C. NISLY, Hutchinson, had 3 progeny with top

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SALINA ANGUS SALE Wednesday, April 29, 1953 at the Beverly-Wilson Pavilion, SALINA, KANSAS 75 BULLS — 75 FEMALES The leading Angus breeders in Kansas have consigned over 150 top bulls and females for this sale. They are of Bandolier, Eileenmere and Sunbeam breeding and include open and bred heifers, cows with calves and herd bulls and range bull prospects. They will sell singly and in groups and you can get 10 or more females of the same breeding to start or add to a herd. These cattle are in good breeding flesh but not highly fitted. An opportunity to select good producers for your herd or to select a herd sire prospect or a farm bull for straight or crossbreeding. These cattle are carried right up to grass for you and this will be the best opportunity this spring to buy. For information or catalog contact sales managers: GENE SUNDGREN, Box 144, Salina, or LLOYD ERICSON, Marquette Mike Wilson for Kansas Farmer

National Polled Shorthorn Congress April 20-21 Hutchinson, Kansas 1 herd bull prospect by Diamond Collynie. 1 female by Vanities Goldspar. Have bulls, heifers and cows with calves for sale. A reduction in prices. Visit my farm, 30 miles southwest of Hutchinson, Kan. JOHN F. REECE LANGDON, KANSAS 4 miles south and 2 1/2 miles east

Polled Herefords for Sale Yearling bulls, bull calves 6 to 12 months old, yearling and two-year-old heifers. Sired by Advance Choice 16th and Advance Domino 8th. Priced reasonable. Write or see our herds. MARTIN I. SHIELDS & SONS Lincolnville, Kansas Rt. 1, Near Hwys. 50N and 77.

FOR SALE Polled Hereford Bulls Proven sire 4 years old. Carlos Mischief—Mischief breeding. Other bulls 7 to 20 months old. ALF Beau Rollo 47th and Lamplighter breeding. GRAND VIEW STOCK FARM POLLED HEREFORDS SINCE 1908. O. J. Shields, Lost Springs, Kansas

Polled Hereford Bulls For Sale—A few good bulls sired by P.V.F. Advance Worth 35th. Serviceable ages. LESTER H. KOLTERMAN, Onaga, Kan.

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

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NOW OFFERING SERVICABLE AGE BULLS Heavy boned, well grown for farmers, ranchers or purebred breeders of Polled Herefords. PLAIN VIEW FARMS JESSE RIFFEL & SONS, Enterprise, Kansas REGISTERED Polled Hereford Heifers Sired by Pawnee Domino 288 by Pawnee Domino 8th, dams of RPD breeding. GRAVER BROS. Rush Center, Kansas

REGISTERED ANGUS Now offering bulls 10 to 18 months. CHESTNUT & RAILSBACK, Quinter, Kansas

APPLEWOOD ANGUS-FARMS PRODUCTION SALE Saturday, May 9, 1953 at 1:00 P. M. Franklin, Nebraska (near the state line) Herd sires: Applewood—Bandolier 135 by "Bandolier-of-Anoka 3rd (full brother to International champion). Elba's Bardolier. (1/2 brother to Black Bardolier of Den-Mor.—American Futurity—Supreme Champion—1952.) BANDOLIER + BARDOLIERS 35 open heifers; 14 bulls up to 24 months. Typy set of cattle. Good foundation kind. Blood that does good for other breeders. Herman Custer, Manager ED POLKA, Owner, Riverton, Nebr.

FREE CATTLE BOOK 50 pages of profitable suggestions and interesting pictures on selecting, breeding, fitting and showing Angus... absolutely free to you. Ask for "Cattle Raising at its Best" Put your name and address on a card and send now to AMERICAN ANGUS ASSOCIATION CHICAGO 9, ILLINOIS

J. C. Costello, Phillipsburg, for \$345. Freddie Chandler sold the sale, assisted by livestock fieldmen of various livestock presses. Two cows owned by C. R. BEER & SONS, Larned, received special recognition. Highfield Lea Sally (4 years and 10 months) produced 11,185 pounds milk containing 598 pounds butterfat and Highfield Alice Faunie (4 years) produced 10,384 pounds milk containing 546 pounds butterfat. In terms of production records made at a mature age of 6 years on twice a day milking, 305-day basis, these records both exceed 550 pounds butterfat. Richland Blonde Lucy, owned by OEA C. NISLY, Hutchinson, had 3 progeny with top

A 6-Day Sale Circuit of the Well Known "Eileenmere" Bloodlines

A BAR A RANCH HERD OF ABERDEEN - ANGUS SELL AT SILVERTOP FARMS

BELTON, MISSOURI — FRIDAY, MAY 1 AT 12 NOON

This is a Complete Dispersion of This Well-Known Herd of Encampment, Wyo.

120 HEAD SELLING

The offering will consist of 50 cows with baby calves at side, or heavy springers. A few of the cows have herd bull prospects at side. There will be 18 heifers calving in 1953 that are heavy springers. There will be 19—1951 heifers well forward in calf. There will be 20—1952 heifer calves by sons of Eileenmere 487th or by Blackbird Bardolier G. R. 3rd.

The entire group of cattle will be bred to sons of Eileenmere 487th, or grandsons, with few exceptions.

There are 9 daughters of Prince Sunbeam 44th, he by Black Prince of Sunbeam; 35 daughters of Blackbird Bardolier G. R. 3rd, one of the greatest headed bulls in the breed that has sired so many fancy headed, short legged, breezy looking daughters; 8 daughters of Bandolier 102nd of Wilton, a bull that is popularly referred to as "The Champion of the West," as he defeated "The Wonder Bull" at the major western shows in 1948; 8 daughters of Homeplace Eileenmere 41st, he by Eileenmere 487th; and 6 daughters of Eileenmere 656th, another son of Eileenmere 487th who get sold unusually well in past A-Bar-A sales. These cows are the ones that have produced the show cattle that have won in the show ring in the past years. All the old, worn-out cows and non-breeders have been eliminated from the herd.

The cattle will be available for your inspection after April 20, 1953, at Silvertop Farms, Belton, Mo.

The families represented are the ones that have brought the Angus breed to the top. Not a cold family in the entire offering.

Attend our sale on May 1, then follow the Eileenmere Sale Circuit, May 4, 5, 6 and 7, as all of these sales are in the same territory.



EILEENMERE 487TH, 4 of his sons have been used in this herd and numerous granddaughters of the 487th sell. Many females will carry the service of sons of the 487th.

A-BAR-A RANCH, Andrew Anderson, Owner, Encampment, Wyo.
Auctioneers: Roy Johnston and Ray Sims
For catalogs address J. B. McCORKLE, Sale Manager, SMITHVILLE, MISSOURI

SUN-UP FARMS EILEENMERE SALE

Smithville, Missouri

May 2, 1953—1:00 P. M.

Nineteen miles north of Kansas City.

60 HEAD—Pasture conditioned, unfitted registered Angus.
25 Bulls—25 Open Heifers—10 Cows, calves by side or Springers.

HERD BULL Prospects or BARGAIN BULLS for Commercial Herds.

Bandoliermere 88th. This outstanding Tolan bred 2-year-old son of the \$75,000 Eva's Bandolier Lad will sell in pasture condition at a fraction of what his full sister brought in the Cattleman's Holiday Sale where 50 head went for the highest average ever made in the cattle business.



Eileenmere 638th, that great Tolan bred son of Eileenmere 487th, "The Wonder Bull" sired old sons sell.

Eileenmere J-7th—Sire: A son of Eileenmere 487th; **Dam:** A granddaughter of Blackcap Revolution is our chief herd sire, and in the PRODUCTION TESTING carried out over the last 3 years on all of the younger cattle, his calves have always stood at the top. The man who sells beef by the pound should be particularly interested in his sons.

Growth for age records will be available on them prior to beginning of sale. If you have been disappointed in the growth rate of your calves we sincerely believe you will be pleased by using one of his sons.

Families: Represented are many of the tops of the breed—Ballindalloch Georgina, Portlethen Lucy, Witch of Endor, McHenry Barbara, Cridlan Evergreen, Hartley Elaine, Tolan Blackcap Fandies.

VISITORS ALWAYS WELCOME

For catalogs—write **DAN BOWMAN**, Auctioneer and Sales Manager, Hamilton, Missouri

OWNERS: DAVID & MARGARET MILLER, SMITHVILLE, MO.

"THE 26TH'S INFLUENCE SALE" OF

ABERDEEN-ANGUS CATTLE

at farm near

Maloy, Iowa — Tues., May 5

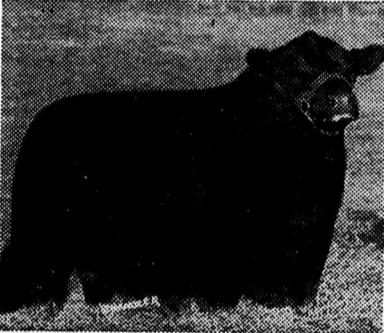
A SALE OF 12 BULLS and 45 FEMALES

Each of the bulls is sired by Homeplace Eileenmere 26th. 3 of these bulls are double bred Eileenmere 487th. 35 FEMALES being sold by Marycrest Farms include 19 daughters of the "26th" pictured here. 9 females will be bred to a son of the "26th." 12 open heifers sell, mostly by the "26th." Almost the entire offering are granddaughters of Eileenmere 487th. The families we sell are the ones that have carried the Angus breed to the enviable position it holds today. The "26th's" influence is being felt in many top herds today.

Note—Chester Johnson, Bucyrus, Kan., sells 10 females in this sale.

Attend the Eileenmere sale circuit and choose from 250 head in the sales of May 4-5-6-7.

MARYCREST FARMS, Maloy, Ia.



12 sons and 19 of his daughters. 12 heifers carry his service.

JOHN D. & MARY C. WARIN, Owners — Harl Jackson, Herdsman
For sale catalog address J. B. McCORKLE, Sales Manager, Smithville, Mo.
Auctioneer: Johnston, Sims, Hagel Bert Powell and Mark Dempsey with this publication

PENNEY & JAMES 11TH ANNUAL

Aberdeen - Angus Production Sale

Sales pavilion at the HOMEPLACE just east of

HAMILTON, MO. — MONDAY, MAY 4

Selling 20 Bulls and 50 Females

Four bulls selling are sired by Eileenmere 999th, making them half brothers to many famous bulls including the reserve junior champion at the 1952 International; 5 by the "Wonder" bull Eileenmere 487th; 3 by Homeplace Eileenmere 52nd; 2 by the reserve grand champion at 1951-1952 International Homeplace Eileenmere 999-35th; 2 by Homeplace Eileenmere 115th; 2 by Homeplace Eileenmere 500th; 2 by Homeplace Eileenmere 104th; 8 of these bulls are double bred thru Eileenmere 487th. Also listed is our many times champion 2-year-old show bull. He is sired by Eileenmere 999th.

Females and Their Families—The offering consists of many females from our show herd and they are "TOPS." They represent a strong concentration of the blood of our "Wonder" bull, Eileenmere 487th. We sell 2 great Erlannas, a Gammer from the same heifer as our \$38,000 heifer in our last sale, Edwinas, Maid of Bummers, a Cherry Blossom by Eileenmere 487th, the females bred to the "Top" herd sires at the Homeplace.

ATTEND THE EILEENMERE SALES CIRCUIT, MAY 4-5-6-7

PENNEY & JAMES, Owners, Hamilton, Missouri

Orin L. James, Manager Eugene Schubert, Herdsman
Dr. Don Wade, Resident Veterinarian and Cattle Superintendent
For sale catalog write to J. B. McCORKLE, Sales Manager, Smithville, Missouri
Aucts.: Roy Johnston & Ray Sims Bert Powell & Mark Dempsey for this publication.



EILEENMERE 999-999-948
Four sons and 15 of his daughters sell and many females carry his service.

other top families. Many of

HARKEN FARMS ANNUAL

ABERDEEN-ANGUS SALE

Will be held at the farm just a short distance east of
OSCEOLA, IOWA — WED., MAY 6

11 Bulls and 60 Females Sell:

Five of these bulls are by Homeplace Eileenmere 70th, 4 by Homeplace Eileenmere 75th and 2 by Homeplace Eileenmere 43rd. Each of the above sires are by Eileenmere 487th. Bulls selling are service age. Several from our show herd sell. THE FEMALES: They are mostly by the bulls just mentioned and several are sired by Duchess Bell Boy, the sire of the champion sale bulls at the 1952-1953 Denver National Livestock shows and sales. A Bell Boy heifer was champion in the open class at the recent Iowa show and sale. There are several Bandolier heifers, bred to Eileenmere bulls, giving them the "Platinum" cross. Several females from our show herd sell. We offer Angus families that are very popular today. You will have 71 opportunities to buy cattle carrying the "Wonder Blood" of the 487th in this sale.

Note—The Harken herd is the largest purebred Angus herd in Iowa.
ATTEND THE EILEENMERE SALES CIRCUIT ON MAY 4-5-6-7

HARKEN FARMS, Osceola, Iowa

Dr. C. R. Harken, Owner Kenneth Whirrett, General Manager
For sale catalog write to J. B. McCORKLE, Sales Manager, Smithville, Mo.
Auctioneers: Johnston & Sims Bert Powell with this publication



EILEENMERE 487th 669743

PAGEMERE'S PREMIER ANGUS SALE

FEATURING THE GET AND SERVICE OF 3 GRANDSONS OF "EILEENMERE 487TH"
5 BULLS AND 50 SELECTED FEMALES SELL ON

May 7 — at Clarinda, Iowa



EILEENMERE 487TH

REMEMBER they are from Pagemere's 3 herds. 5 top herd sire prospects from 2 calf crops make up the bull offering. Females of popular families. Angus of the families we offer have produced Futurity, State and International winners.

ATTEND THE EILEENMERE SALE CIRCUIT ON MAY 4-5-6-7

For sale catalog write to

PAGEMERE FARMS, CLARINDA, IOWA

Auctioneers: Johnston & Hagel Bert Powell with this publication

Hundreds of Livestock Breeders and Associations in Kansas and other states advertise in the Kansas Farmer each year. Our livestock rates are reasonable for state-wide coverage.

For information about livestock advertising write to

KANSAS FARMER, LIVESTOCK DEPARTMENT

912 Kansas Avenue

Topeka, Kansas

production records—offspring averaged 10,512 pounds milk containing 569 pounds butterfat on twice a day milking, 305-day mature equivalent basis.

JOHN W. SIMPSON & SONS Duroc, Hereford and Polled Hereford sale, at the farm near Edgerton, Mo., April 4, was well attended and prices paid were satisfactory to the owner. This was their 10th year as breeders of Durocs; 22 fall boars were sold for an average of \$107 and 28 fall gilts averaged \$72. Top boar, Lot 16, a grandson of Red Diamond, sold for \$270 to Clarence Maddox, Waverly, Mo. Ben Hook & Sons, Silver Lake, gave \$240 for Lot 29, a son of Timekeeper by Velvet. This was the second high boar. Lot 6 sold for \$150 to L. R. & Frank Carlson, Lincoln, Nebr. Lot 17 went to G. F. Germann, Manhattan, at \$135. Both Lots 6 and 17 were sired by Timekeeper. High-selling gilts were Lots 4 and 44. Both were sired by Timekeeper. One went to K. L. Spencer & Son, McCook, Nebr., and the other to Henry Hohweiler & Sons, Chester, S. D. George Rhoades, Olathe, paid \$100 for a Timekeeper gilt. Fourteen bulls averaged \$251 with 10 open heifers averaging \$170. Top of sale was a Hereford bull at \$315. Bert Powell, Don Washburn, Don Bowman and Don Mendenhall were the selling force.

The **U. S. CENTER ANGUS ASSOCIATION**, at Smith Center, held their sale March 26. Seventy Angus sold for a total of \$23,150, to make a general average of \$331. Seventeen bulls averaged \$372; 53 females averaged \$317. Show champion and top bull was Lot 5, Bandolier of

Big Oak 50th, consigned by Deters Bros., Cawker City, and sold for \$650 to Forrest Dempsey, Formosa. Top female was Lot 20, Eileenmere Escort Lady, consigned by A. O. Buschow & Sons, Blue Hill, Nebr., and sold for \$725 to Ted Eberhardt, Burlington, Colo.

Col. Ham James sold the offering, assisted by fieldmen of the various livestock presses. Keith Swartz, Everest, was judge of show.

The "ALL 487TH" ANGUS SALE held at Salina, March 27, totaled \$18,610 on the 49 head of cattle sold. Twelve bulls averaged \$592; 37 females, \$311. Top bull was Lot 10, Homeplace Eileenmere 46th, consigned by Jones Angus Farm, Mulvane, and sold for \$2,050 to Winterset Angus Farm, Winterset, Ia. Top female was Lot 13, Eileen Miss 2nd of J., also from the Jones Angus Farm herd and a daughter of the top bull brought \$600 on bid of E. J. Tatge, Pomona. Ray Sims, Belton, Mo., sold the sale. This sale was managed by Joe J. McQuillan, Clearwater.

R. C. BEEZLEY, Girard, is owner of 2 registered Holstein cows which have completed lifetime production records of more than 100,000 pounds of milk with Holstein-Friesian Association of America.

In 6 milking periods, covering a total of 2,536 days, Florabelle Papoose Ormsby has produced 109,144 pounds of milk and 4,318 pounds of butterfat. Her highest single record was made at age of 6 years 10 months when she produced 20,467 pounds of milk and 784 pounds of butterfat on 3 milkings daily.

In 7 milking periods, covering 2,775 days, Lu-

cille Papoose Ormsby Piebe produced 104,979 pounds milk and 4,180 pounds butterfat. Highest single record was made at 7 years 6 months, when she produced 17,486 pounds milk and 692 pounds butterfat on 3 milkings daily.

The **KANSAS SPECIAL SALE OF ANGUS** cattle held at Hutchinson, March 30, totaled \$32,975 on 63 head of cattle from herds of Lloyd Ericson, Marquette, Wendell Davis, Norwich, and H. E. Thalman, Haven. Ten bulls averaged \$722 and 53 females, \$487. A general average of \$523 was made on this fine offering of Angus. Top bull was Lot 22, Eric Bandolier 52nd of K. D., consigned by Ericson and sold at \$2,250 to C. O. Heinly & Sons, Lyons. Top female was Lot 25, Pride Protect of K. D., also from the Ericson herd and sold for \$1,575 to Hudelson Bros., Pomona, Colo. Ray Sims and Gene Watson sold the offering.

LEO H. HOSTETLER, Harper, is owner of Leohost Design Inka Nosy, registered Holstein cow who has further added to her outstanding lifetime production of more than 100,000 pounds of milk. In tests with the Holstein-Friesian Association of America, she produced 109,778 pounds of milk and 4,282 pounds butterfat on 2 milkings daily, in 9 milking periods, covering 3,118 days. Highest single record was made at 10 years 2 months when she produced 16,233 pounds milk and 631 pounds butterfat.

The **KANSAS HEREFORD ASSOCIATIONS BLUESTEM SALE** to be held in Emporia the latter part of April will be something quite new

for this association. The idea behind it is to give the breeders of registered Hereford cattle a market for their female stock without necessity of fitting and feeding and selling them one at a time. This sale was designed for the producer who has a group of high quality heifers or cows to sell. Forty-five breeders from 23 Kansas counties make up the list of consignors to this Bluestem Sale. Three hundred and seven registered Herefords are being consigned. This is primarily a female sale; majority of them will be sold in groups. A wide selection of bloodlines, open and bred heifers and cows will be offered.

For more than 20 years **HARTWIG HEIDEL & SON** have been breeding and improving Fojted Hereford cattle on their well-improved Clark Creek farm a few miles east of Junction City. By careful selection of an occasional female and purchase of high class bulls, the herd has been brought to a high state of quality. Mr. Heidel, Sr., says because of the fact that he has built the herd from a lower price foundation, it is not now difficult to accept lower prices than it otherwise would be, if he had a higher investment when establishing the herd.

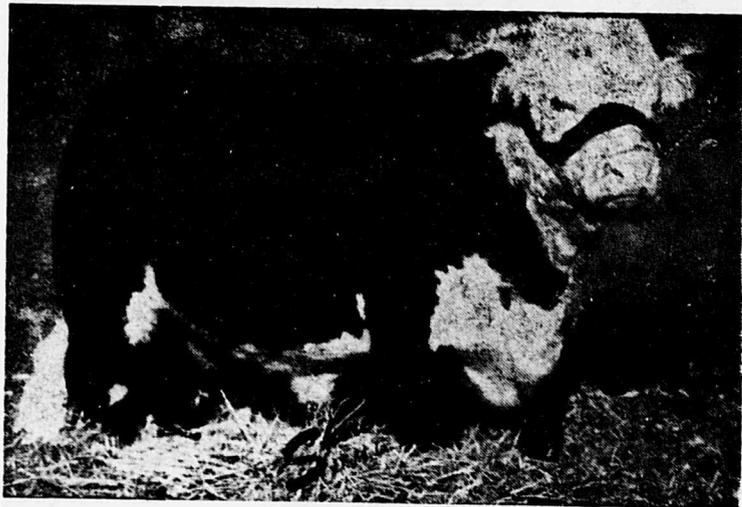
NORMAN K. NELSON, Wichita, is owner of Nelson's Mary of C. D., registered Guernsey cow, who has completed a production record with the American Guernsey Cattle Club. She produced 8,713 pounds of milk and 435 pounds butterfat. She was a junior 2-year-old and was milked 610 times while on test. She is daughter of Lookout Valley Superb Beacon, registered sire who has 5 daughters in Performance Register of the Club.

CHEYENNE HEREFORD FARMS

Complete Hereford Dispersion

Cloud County Sale Pavilion

APRIL 30, 1953 CONCORDIA, KANSAS



WVHR WORTHY FLASH 10TH

WVHR Worthy Flash 10th, son of WHR Worth Dom. 41st. Several of his daughters sell. Cows strong in WHR breeding. Craftsman Dom. 33rd, son of Craftsman 28th. 26 cows with calves at foot. Balance bred to Astermix 47, by WHR Aster Mix 12th. Calves sired by WVHR Royal Star 11th by OJR Jupiter Star 12th. Balance of females are bred and open heifers. 4 yearling bulls sired by WVHR Royal Star 11th. 1 yearling bull sired by Proud Aggressor by Bold Aggressor 2nd.

For information and catalog write to:

BOBBY CHAMPLIN, Owner
Jamestown, Kansas

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

Your Best Buy Today Is U. S. Savings Bonds

KANSAS AYRSHIRE BREEDERS' ASSOCIATION SPONSORING
TWO STATE CONSIGNMENT SALES

SELLING

100 REG. AYRSHIRE 100

Iola, Kansas — May 7, 1953

in sales pavilion at 12 Noon and at

Garden City, Kansas—May 11, 1953

in fair grounds at 12 Noon



In order to make these sales possible, Kansas leading breeders are each consigning a few head. 35 BREEDERS REPRESENTED. This is an opportunity to buy some of the best blood in the breed.

32 Heifer Calves—the kind that grow and make money. 24 Bred Heifers—always a good buy. 25 Young Cows—ready to work for you. 3 Aged Cows—good type. 4 Choice Bulls—strong pedigrees. 8 Bull Calves—well bred—your future herd sire.

This is your opportunity to select the animals you need.

For catalog and information contact:

DWIGHT E. HULL, Secretary, Kansas Ayrshire Breeders Assn., Rt. 4, El Dorado, Kan.

Mike Wilson, Auctioneer

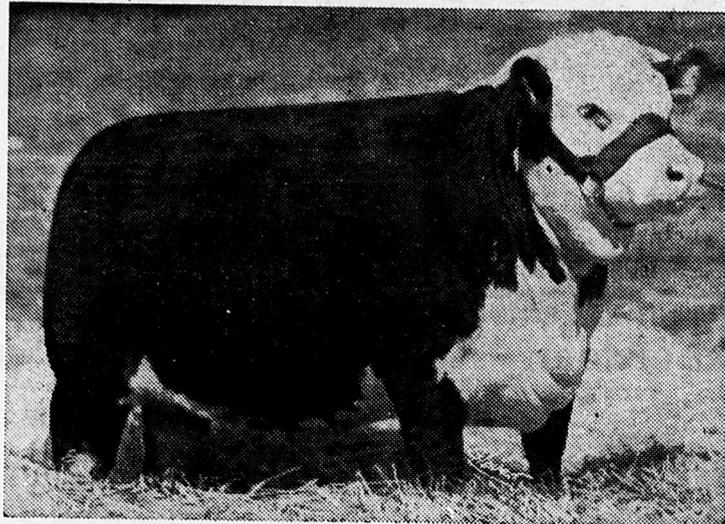
Spring Female Sale MARSHALL COUNTY HEREFORD ASSOCIATION Registered Herefords

at the A. L. Breeding's modern heated sales pavilion,
located 1/2 mile west of

MARYSVILLE, KANSAS

Sale at 12:30 P. M.

Monday, May 4, 1953



Forty Females—Fourteen Bulls

Top Quality Herefords from the following herds:

Joe Bornhorst, Marysville
Don Breeding, Herkimer
Leinweber Bros., Frankfort
Waldemar Hanke, Waterville

Elmer Peterson & Son, Marysville
Jos. F. Sedlacek, Frankfort
Henry Sedlacek & Son, Marysville

For information and sale catalog write

ELMER E. PETERSON, Secretary

MARYSVILLE, KANSAS

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

Registered Guernsey
SPRINGER HEIFERS
Few 4-H Calves—Bulls.
Hershberger & Son, Newton, Kansas

FOR SALE
BROWN SWISS
Extra good Wis. bred. Best bloodlines.
C. L. Goernandt, Aurora, Kansas

DR. PEARSON'S BROWN SWISS DAIRY DISPERSAL
65 HEAD
12 Noon—Monday, April 27
Waukee, Ia.—west of Des Moines
53 Females, 2 Herd Sires and 10 Young Bulls
Sale includes 20 daughters of Judd's Bridge Improver, 4 daughters and 2 sons of Double Jane Design. One of the country's best herds with 18 years of H.I.R. testing.
Donald Robertson DISPERSAL
36 BROWN SWISS
Saturday, May 2, Fowler, Ill.
near Quincy, Adams County
Top producing herd with 5 year herd average of 417.5 lbs. fat. Machinery sells in forenoon. Cattle sell at 12:30.
For catalogs write
NORMAN MAGNUSSEN, Sale Manager
Lake Mills, Wisconsin

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

SERVICE AGE
HOLSTEIN BULL
Sired by Maytag Ormsby Fobes 14th, Silver Medal Production Sire, out of a good record 2-year-old granddaughter of the same sire. Granddam of bull has 760 lbs. fat on 2X. Also younger ones from cows with lifetime records up to 136,000 lbs. of milk. Buy from Kansas' highest record herd. Last two years 623.4 and 610.6 lbs. fat on 2X.
ERNEST A. REED & SON, Lyons, Kansas

Livestock Advertising Rates

Effective February 1, 1951

1/2 Column inch (5 lines) ... \$3.50 per issue
1 Column inch ... \$9.80 per issue
The ad costing \$3.50 is the smallest accepted. The smallest public sale ad accepted is 1 column by 2 inches, costing \$19.60.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Tuesday, eleven days before.

MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - - Topeka, Kansas

Consignment Sale of Kansas Registered Jerseys



Monday, May 4, 1953 HUTCHINSON, KANSAS

1:00 P. M., State Fair Grounds

Featuring in this sale will be cows producing 50 lbs. of milk a day, some with records near 600 lbs. of fat in 305 days. Also bred heifers, open heifers and 4-H heifer calves. The majority of the cows will be consigned by dairymen of Central Kansas.

Just the place to buy that family cow.

Write now for information to

COLEMAN SALES SERVICE, Arlington, Kansas

Auctioneer: Tom McCord

Belden & Schuetz Annual Production Sale of REG. HEREFORD CATTLE

May 9, 1953 Horton, Kansas

Civic Center Building — Sale at 1:00 P. M.



50 HEAD—20 Bulls—30 Females

The offering is sired by Royal Tredway 55th, Battle Mixer 15th. Some females are rebred to WHR Emblem 30th and Premier Mixer. The offering consists of open heifers, bred cows, cows with calves. The 20 bulls selling are well bred, good husky fellows.

For catalog and other particulars write either:

**WILLIAM BELDEN, Horton, Kan., or
AL. J. SCHUETZ, Mercier, Kansas**

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

High Quality POLLED HEREFORD BULLS OF SERVICEABLE AGES



Sired by Polled sons of C. K. Cadet bloodlines intensely Polled thru 40 years of constructive breeding.

**REASONABLY PRICED
GOERNANDT BROS.**
Ames, (near Concordia) Kansas

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

FOR SALE REGISTERED HEREFORD BULL

Real Plato Prince 5, 4-year-old, Dam Lady Comprest 15th. Sound and guaranteed. Selling on account of keeping daughters in herd.

IRVIN R. SCHMIDT, Buehler, Kan.

REGISTERED POLLED HEREFORD BULLS

12 to 24 mos. old. Best of breeding. Reduced prices, 6 miles east of town.

HARTWIG HEIHEL & SON
Route 2 Junction City, Kan.



KANSAS HEREFORD ASSN'S. BLUESTEM SALE



at
EMPORIA

the cattle capital of the Flint Hills, in the bluestem country.

APRIL 28, 1953

Selling 300 Registered Herefords
at 10:00 A. M. sharp at Emporia Sales Pavilion

50 Bulls, nearly all serviceable aged 250 Cows and Heifers, bred and open

Selling Singly and in Groups

You can buy two or fifty bred ALIKE in this sale. These cattle are not fat. They are in breeding condition and ready to be turned on grass. Quality, not finish, is the outstanding qualifications of this set of cattle. Don't forget Kansas registered nearly 40,000 cattle last year. You get to select from the best.

CONSIGNORS

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HOWARD BEETH AND SONS	Carlton
STELBAR RANCH	Douglas
R. R. SANDERS	Miller
PHIL ADRIAN	Moundridge
A. D. RAYL	Hutchinson
JOE LEWELLEN	El Dorado
FRANK J. GEORGE & SON	Lebo
BEKS HEREFORD FARM	Baldwin
LESLIE VALDOIS	Haven
A. B. CAPOUN	Rt. 2, Alma
CAREY FARM ENTERPRISES	Hutchinson
ALLEN ENGLER	Rt. 1, Topeka
CHISHOLM CREEK HEREFORD FARM	Valley Center
ED BROWN	Fall River
TOM BROWN	Fall River
FRANK CONDELL	El Dorado
RAY E. DILLON AND SONS	Hutchinson
GAMMELL BROTHERS	Cottonwood Falls
BROKEN WINECUP RANCH	Lawrence
HECK HEREFORD FARM	Matfield Green
JEAN AND DEAN McCALLUM	Newton
J. R. OVERTREET	Redfield
D. A. PERRY	Manhattan
WILLIAM POOLE	Wellington
RAY RUSK & SON	Burdett
ELMER STEFEN & SONS	Eureka
TED TUCKER	Cottonwood Falls
TED & SCOT	Great Bend
WALNUT HILL HEREFORD RANCH	Cleburne
FRED WIENCK & SONS	Fall River
WARREN BROWN	Deerfield
SCHUEERMAN BROTHERS	El Dorado
IVIE CARTER	St. Francis
ROBERT KELLER	Miller
PHIL SANDERS	Haigler, Nebr.
FOREST SCRIVNER	Holington
VERN WILBORN (Wilborn & Putnam)	St. Francis
THAD DOUTHIT	St. Francis
JIM DOUTHIT	St. Francis
MARVIN MILLS	Smolan
ELMER JOHNSON	Inman
JOE REDD	St. Francis
ED KELLER	St. Francis

Come Where the Cattle Are

Write today for catalog to

Tom Sullivant, Secretary-Manager
KANSAS HEREFORD ASSOCIATION

State Fairgrounds, Hutchinson, Kan. Mike Wilson for Kansas Farmer

Don't Forget to Send in Your Renewal if Your KANSAS FARMER Subscription Is Expiring!

The editors have many outstanding stories planned for this fall and winter — articles that are closely associated with farm problems you face from day to day.

These editorials will help you in a practical and realistic way. DON'T MISS AN ISSUE!

Send Renewals to

KANSAS FARMER

Circulation Department, Topeka, Kansas

SALINA HEREFORD SALE

Wednesday, April 22, 1953

at the Beverly-Wilson Pavilion



SALINA, KANSAS

Sale starts at 12:00 Noon

Selling 90 BULLS — 60 FEMALES

Polled and Horned

Over 150 head of registered Herefords consigned by the leading herds in Kansas and surrounding states. An opportunity to buy herd bulls, range bulls, bred and open heifers or cows with calves carried to grass for you. The best opportunity of the season to get the quality and quantity you want at the best prices.

GENE SUNDGREN, Sales Manager

P. O. Box 144

Salina, Kansas

Phone 7-2848

KANSAS STATE PUREBRED RAM SALES

KANSAS CITY STOCK YARDS SHEEP PENS

3RD ANNUAL SALE

Kansas City, Missouri

(In conjunction with Kansas City Lamb and Wool School.)

April 30, 1953 — 10 A. M.

50 Selected and Approved Purebred Rams Offered at Auction

7th Annual Purebred Ram Sale and Show

STATE FAIR GROUNDS

Hutchinson, Kansas, Monday, May 11

JUDGING OF RAMS 3 P. M. — AUCTION SALE 7 P. M.

140 Purebred Rams—Selected from the best flocks in Kansas. Every ram offered for sale carefully selected and approved by an inspection committee.

HAMPSHIRE—SUFFOLK—SHROPSHIRE—SOUTHDOWN
DORSET—CORRIEDALE—CHEVIOT

Write for catalogs of these two sales sponsored by

KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION
T. Donald Bell, Secretary-Treasurer, Kansas State College, Manhattan, Kansas

DOOR STEP DELIVERY...



FOR SPRAYS YOU NEED!

Your STANDARD OIL AGENT has the sprays you need to control annoying and profit-stealing pests and insects—and he'll bring them

right to your door. You pay no more—and get top quality products. Before you buy sprays this Spring talk to your Standard Oil Agent.



Your choice of three 2,4-D weed killers that help bring the best crop yield

No. 2 AMINE CONCENTRATE controls broad-leaved weeds in small grain crops, corn, flax, sorghum, rice, lawns, turfs, and pastures. No. 3 BUTYL ESTER CONCENTRATE—A weed killer designed especially for airplane application. No. 5 COMBINATION ESTER CONCENTRATE—A selective weed killer that controls most broad-leaved weeds, effective on herbaceous and woody perennial weeds.



Standard's answer to profit-eating insects in your crops

Use STANDARD 25% DDT CONCENTRATE! Get quick control over *corn borers* and other farm pests, such as Colorado Potato Beetles, Leafhoppers, Alfalfa and Clover insects, Aphids, Cabbage insects, Livestock insects and Cotton Bollworms. Safe, easy to use. For grasshopper control, STANDARD TOXAPHENE CONCENTRATE is both potent and economical... longer lasting, too.



3-way protective action for your stock. Sure death for insect pests

Use the spray that *kills immediately, keeps on killing long after spraying, and acts as a repellent, too.* The lasting effect of STANDARD STOCK SPRAY keeps annoying swarms of flies away. This makes milking time more comfortable for your cows... and for you. For an effective household spray get fast-killing STANDARD INSECT SPRAY with DDT. Kills flying and crawling insects.



Easy, economical way to kill unwanted brush

The new STANDARD BRUSH KILLER kills chemically. Use it *any time* of the year. It kills the entire plant, including the roots. With Standard's "Doorstep Delivery," all Standard sprays can be on your farm *when you need them.*

Your Partner in Profitable Farming!

You get all 3 from 1 man!

- 1 Quality Products
- 2 Friendly Service
- 3 Dependable Delivery

