

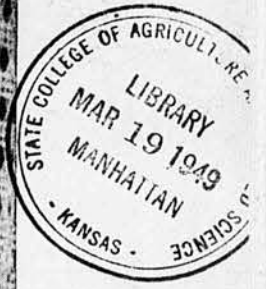
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Kansas Farmer

CONTINUING MAIL & BREEZE

MARCH 19, 1949



New Super-Sure-Grip lets you plow where other tires won't!

Name the tougher soil conditions you come up against — the kind that usually stop your tractor cold from tire slippage. There is where this massive new SUPER-SURE-GRIP keeps you going!

In hundreds of field tests this new Goodyear outpulled competitive tires — even got tractors hitched to big plows through slick, slippery fields under heavy



drawbars where other tires stopped dead from slippage!

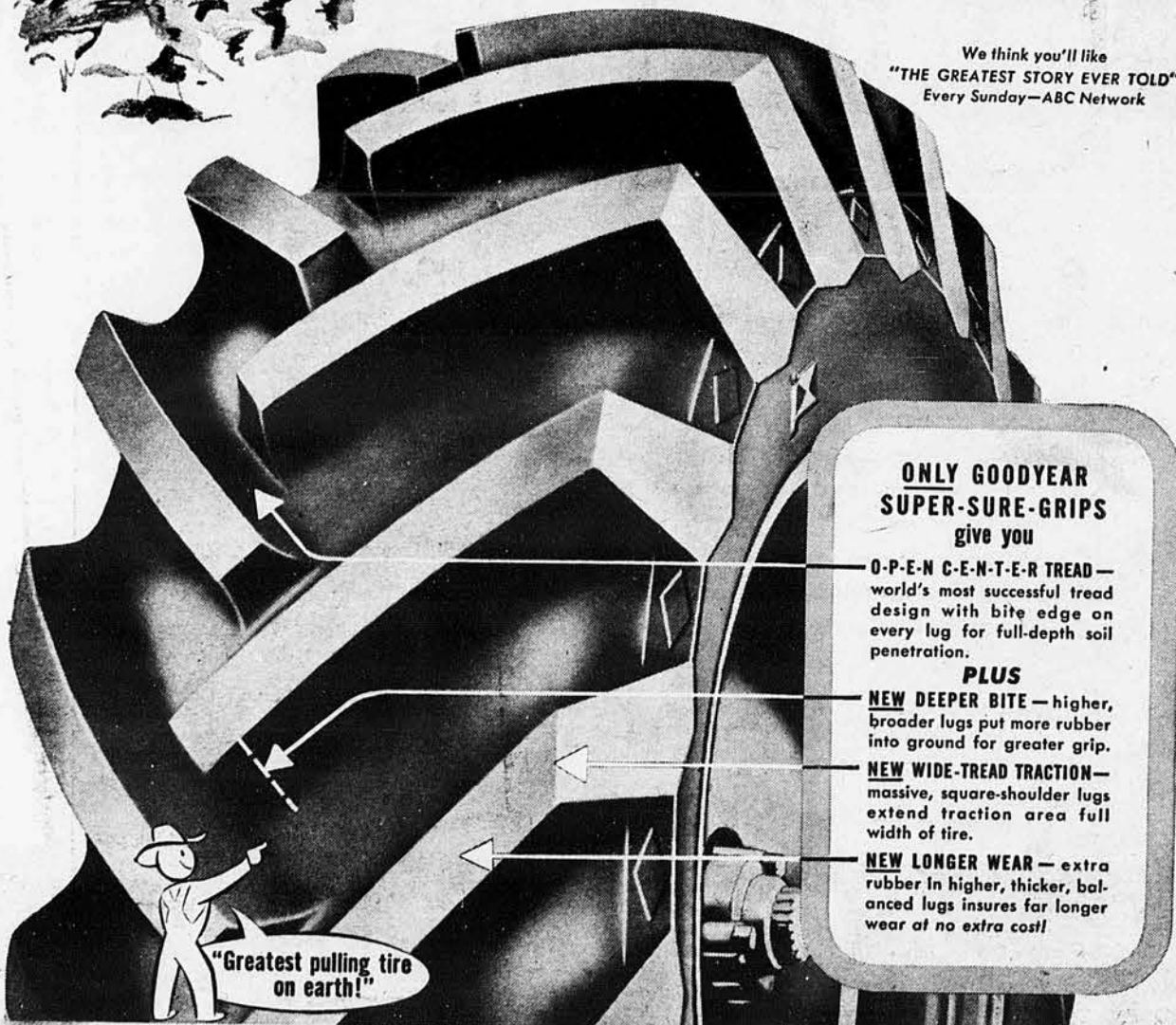
That's because this amazing new SUPER-SURE-GRIP has all the proved superiorities of o-p-e-n c-e-n-t-e-r design PLUS deeper bite, longer wear and far greater traction.

A look at its tread shows you: Lots more rubber in the lugs, which means lots more rubber in the ground. Bigger, broader, longer, high-shoulder o-p-e-n c-e-n-t-e-r lugs that grip like a gear wheel — providing super-long wear and "the greatest pull on earth!"

That's why this new Goodyear goes where other tires won't — why it keeps tractors working where they couldn't work before. Yet this premium-performance tire doesn't cost you a penny more!

So if you want to save days on tough tractor jobs — and keep your tractor working where it couldn't before — get Goodyear's new SUPER-SURE-GRIPS. Get them as replacements for worn tires, and specify them on your new tractor. They cost no more but last far longer — and go where other tires won't.

We think you'll like
"THE GREATEST STORY EVER TOLD"
Every Sunday—ABC Network



ONLY GOODYEAR SUPER-SURE-GRIPS give you

O-P-E-N C-E-N-T-E-R TREAD — world's most successful tread design with bite edge on every lug for full-depth soil penetration.

PLUS

NEW DEEPER BITE — higher, broader lugs put more rubber into ground for greater grip.

NEW WIDE-TREAD TRACTION — massive, square-shoulder lugs extend traction area full width of tire.

NEW LONGER WEAR — extra rubber in higher, thicker, balanced lugs insures far longer wear at no extra cost!

"Greatest pulling tire on earth!"

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

GOODYEAR

Super-Sure-Grip Tractor Tires

3 Points to Watch For Certified Seed

PRODUCING certified seeds is like raising hogs. Once you get into the game it is best to stay in during the bad years so you will be set for the good ones. That's the opinion of A. W. Heitschmidt, of Ellsworth county.

Mr. Heitschmidt has been producing certified Midland milo seed for 7 years and says this year is one of his worst seasons for marketing. Dealers in his area are offering only 3½ cents a pound delivered to their door, he reports. "I would be losing money if I sold the seed at that price, so I'm holding on," he reports.

You don't need any special equipment to handle certified seed, says Mr. Heitschmidt, but you certainly need to give the seed special care. He follows a 3-point program in keeping his seed pure. They are:

1. Providing a weed-free seedbed.
2. Careful roguing of the standing crop.
3. Keeping the seed from being mixed with other seed after harvest.

Most of the trouble with seed quality comes during and after harvest, he believes. It is absolutely essential to thoroughly clean the harvesting equipment before going into a certified field. It also is necessary to be just as thorough in cleaning out the equipment used for cleaning the seed, and in getting the bin ready for storage.

"Carelessness in any one of these processes will result in poor quality seeds," says Mr. Heitschmidt.

Bread Boosters

More than 3 million dollars will be spent in 1950-51 by the baking industry promotional program to stimulate greater consumption of bread and other bakery foods, it is announced.

Another \$2,500,000 will be spent during an 18-month period by the millers national federation. Only 12 per cent of all bread consumed now is baked at home, bakery officials claim, so they feel a real obligation in helping themselves by helping farmers dispose of huge grain supplies.

Farm products used by the baking industry in 1948 totaled 870 million dollars, it is said. This included \$431,238,000 worth of flour; \$154,547,000 worth of shortening; \$117,896,000 worth of sugar; \$67,796,000 worth of eggs; \$55,616,000 worth of milk, and \$43,942,000 worth of fruits.

Some Are Parasites

Not all those nodules you see on legume plant roots are nitrogen fixers, state U. S. Department of Agriculture bacteriologists.

New studies on these legumes has shown that some nodules are parasites that simply use legume roots for housing purposes. As a result of these studies, bacteriologists now find it necessary to compare the actual development of plants on which nodules grow to find out which nodule strains are producing nitrogen.

Senator Capper on Radio

Every Sunday afternoon at 3:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

Vol. 86, No. 6

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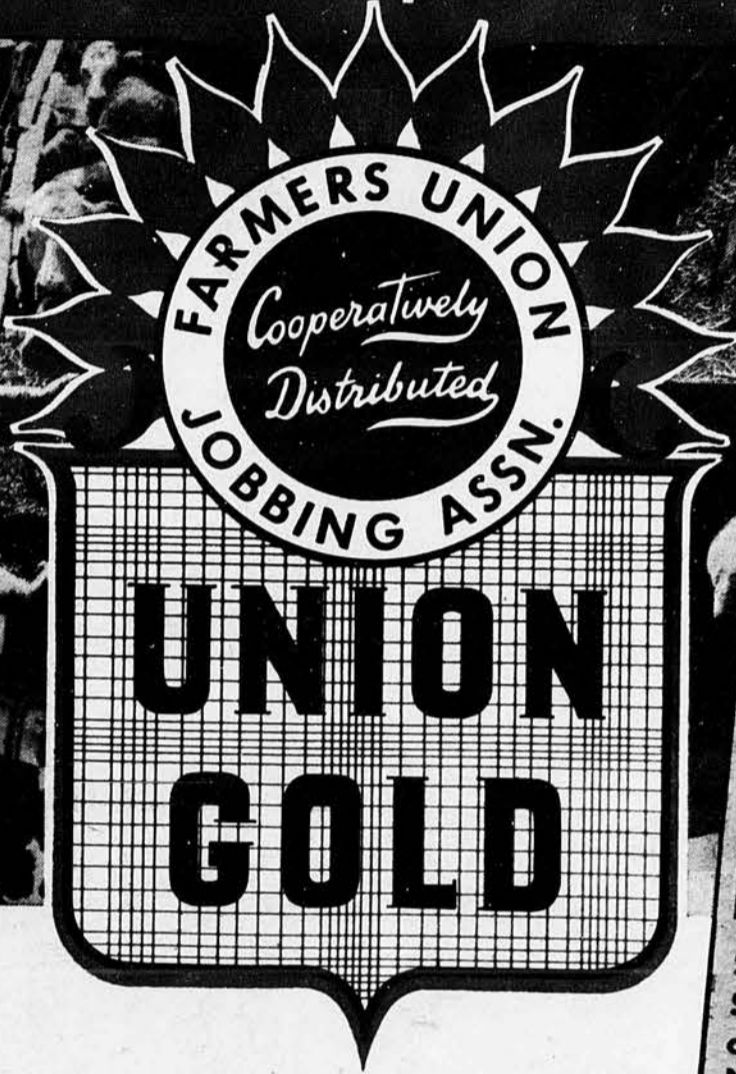
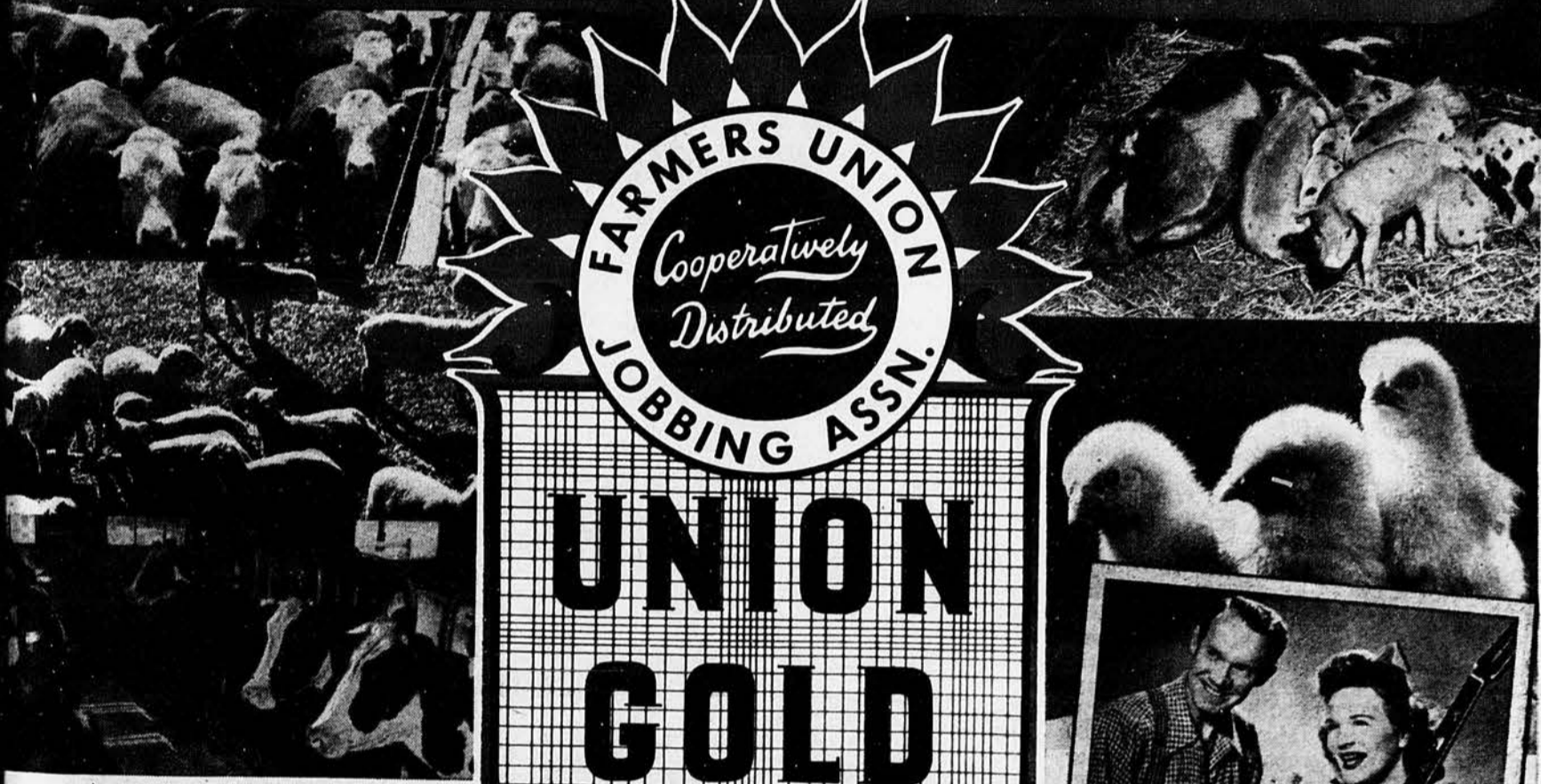
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So—no matter what rations you are feeding NOW—why not switch over to Union Gold Feeds? You'll never know how good, and how economical they are until you feed them yourself.

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STATION KFRM
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550 ON YOUR RADIO DIAL

TUNE IN "LULU BELLE AND SCOTTY"
STATION KSAL
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TOPEKA, KANSAS



Rodeo Season Is Coming

★ And Kansas Boasts Two World's Champions

By Dick Mann

WHAT if we told you Roy Rogers and Gene Autry are not the world's greatest cowboys. We'll admit they were voted the top film cowhands of 1948. But when it comes to real riding they will have to take a back seat for 2 Kansas farm boys.

We're talking now about Ken and Gerald Roberts, sons of Mr. and Mrs. E. C. Roberts, ranch operators of near Strong City, in Chase county. These 2 Kansas brothers have reached the top in the roughest and toughest sport of them all—the rodeo circuit.

Gerald Roberts won the world's champion all-around cowboy title for the second time during 1948, competing against more than 2,100 other professional cowboys in some 575 approved rodeos over the United States. Gerald competed in nearly 50 shows and amassed 21,866 points to nose out Todd Whatley, of Bethel, Okla., the 1947 champ, and Toots Mansfield, of Big Springs, Tex. Gerald, who won the title first in 1942, was top man in 3 major events—saddle and bareback riding and bull riding.

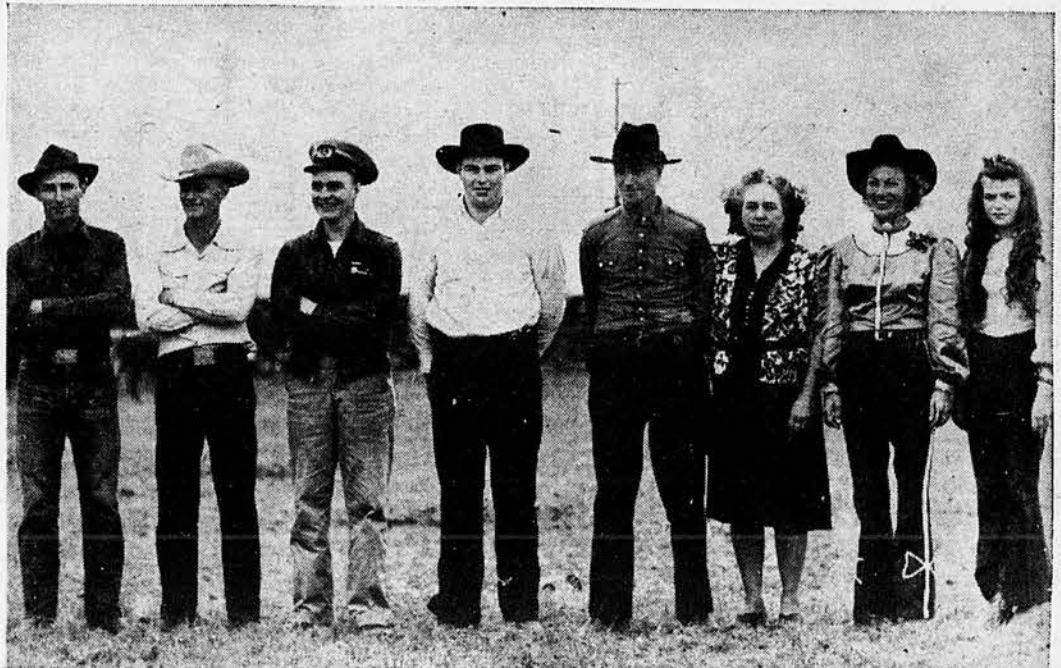
As king of the 1948 cowboys, Gerald received his grand-championship award at the National Western Livestock Show, Denver, in January. His prizes included \$1,500 in cash, a 2-horse Hobbs trailer valued at about \$1,000, a \$1,000 trophy saddle, a \$250 trophy saddle and other smaller prizes. These are in addition to his winnings, which totaled \$21,866, based on one point for each dollar earned.

Ken's record is about as good. He started riding in rodeos at Strong City in 1933. His first major success was in 1936, at Chicago, when he rode his way to the championship of that show. He repeated the next 3 years and went on to become the world's champion bull rider in 1943, 1944 and 1945. He also was runner-up in 1945 to the world's champion bronc rider.

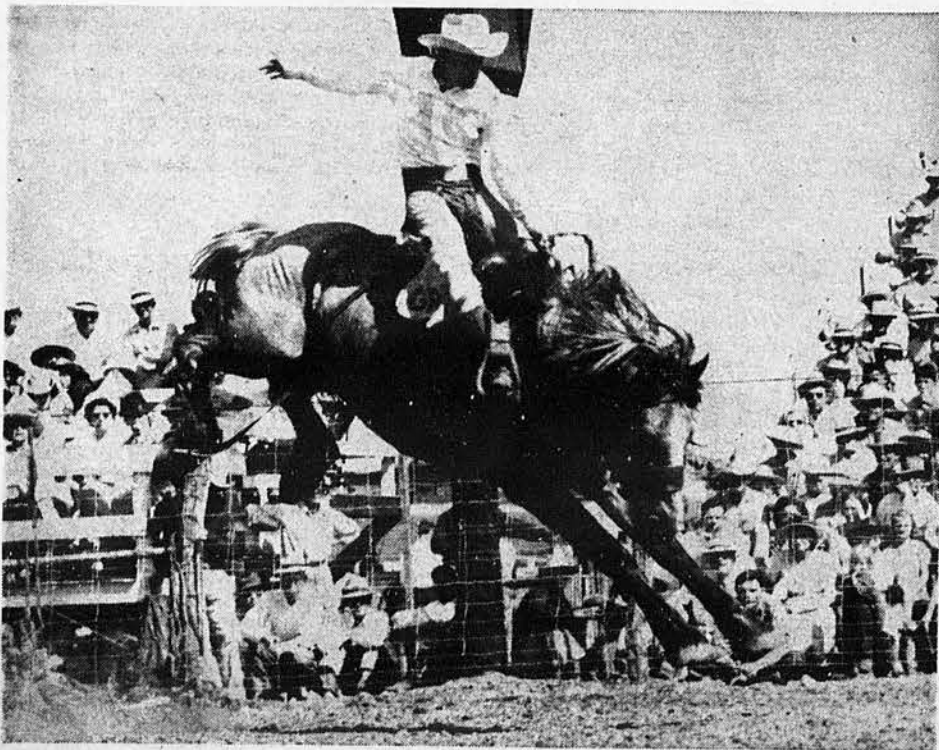
In 1946, Ken started tapering off on riding as he and his father went into partnership promoting rodeos. He still rides in a few shows each year but his main interest now is in promoting. Marjorie Roberts, a sister, who lives in Phoenix, Ariz., also is [Continued on Page 33]



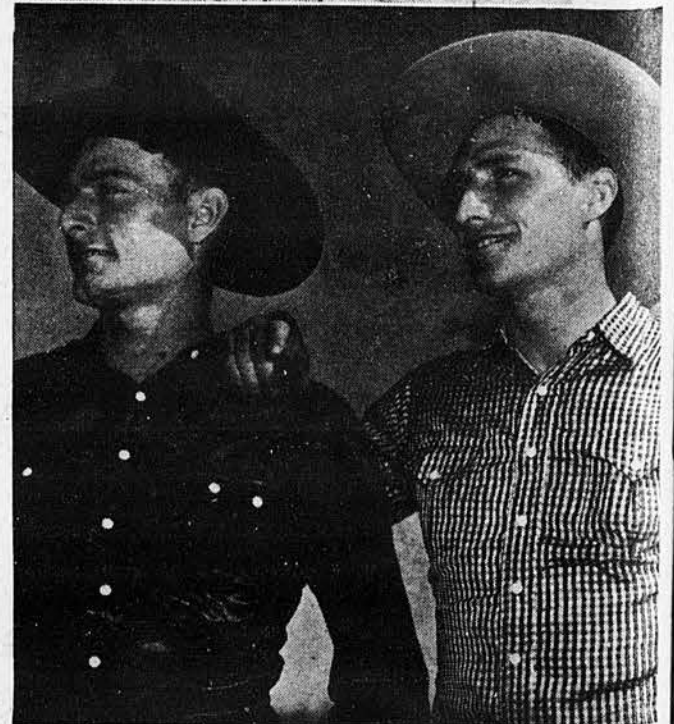
Above: Ken Roberts masters a bronc at Pierre, S. D., during the 1948 season. He is a rodeo promoter now, in partnership with his father.



Above: Three top rodeo stars are shown in this group picture of the E. C. Roberts family, Chase county. They are, left to right: Ken, Gerald, Clifford, Howard, Mr. and Mrs. Roberts, Marjorie, and Gloria Ann.



At Left: World's champion Gerald Roberts in action on a wild bronc during the 1948 rodeo season.



Above: Gerald Roberts, left, was the 1948 world's champion all-around cowboy. Ken, right, was world's champion steer rider for 3 years, and runner-up bronc rider one year.

Farm Matters

AS I SEE THEM

A GROWING, altho perhaps somewhat belated, realization of the danger of "Big Government" to the freedom of the individual, I believe, is one of the healthy signs in American life today.

For instance, I note that Roy Roberts, of the Kansas City Star, in addressing a meeting recently, expressed the feeling that a too-big Government is more of an actual threat to America today than even Soviet Russia.

Without minimizing the Russian threat, I am inclined to agree with him. Big Government has become a serious menace to the political and economic freedom of every American. Big Government is an even more serious threat today than Big Business; especially since Big Government seems to be becoming Big Business itself. Many members of Congress realize the danger, but are under tremendous pressures to "forget it."

An institution which does a business of 45 billion dollars a year, in a country with a national income in the neighborhood of 220 billion dollars a year, certainly is in the class of Big Business. And that is the Federal Government today. No corporation ever approaches that.

An eminent jurist once made the statement that the power to tax is the power to destroy.

I say the desire to tax is an evidence of the desire for power, the desire to rule.

When the Chief Executive of the Government of the United States, which already is taking one dollar out of every five of the national income in taxes, demands that Congress increase federal tax collections by 6 billion dollars a year, that is of itself a danger signal.

My best information is that state legislatures this year will increase state tax collections by close to 2 billion dollars. The states are faced with rising costs of materials, labor, maintenance, and demands for public assistance of all kinds, due to the greatly increased Federal Government expenditures of the last 15 years. I don't see any chance of state and local governments getting away from these increases in their expenditures—and the corresponding increases in state and local taxes.

Federal, state and local taxes already are running at the rate of close to 60 billion dollars a year. If the Eighty-first Congress accepts the recommendations of the President, and adds 6 billion dollars a year to federal tax collections, that will call for the state and local governments to increase their tax levies still more.

I predict—without laying any claims to the gift of prophecy—that if the Congress yields to the President's demands for increased taxes, the total tax burden of the American people will be close to 75 billion dollars a year within the next half-decade.

That will mean a per capita tax burden of \$500 annually, or \$2,000 a year for a family of four.

I believe it is fairly obvious that such a tax burden would require a national income of at least 300 billion dollars a year. Such a national income can only be attained thru a further inflation—which in my judgment would be ruinous.

I believe that would not be desirable.

I am saying further, that I believe every group in the country which is asking for more funds from the Federal Treasury ought to keep this possibility in mind, when pressing their claims for larger Government expenditures.

I say this because in the long run no government can pay money out of the public treasury without collecting an equivalent amount in taxes from the people.

This may sound like a harsh doctrine, particularly to those who look forward to government

checks to solve their own financial worries, but the only way to halt the rising tide of taxes—federal, state and local—is to halt the rising tide of government expenditures.

And the only effective place to start is on expenditures by the Federal Government.

Increase federal expenditures, and the states and local taxing units must shortly afterward increase their expenditures, to keep pace with the rising cost of living caused by the inflationary effects of increases in Federal expenditures and taxes.

Unless those individuals, and those groups—Chambers of Commerce, Labor, Agriculture, Veterans, and other organizations—pressing for Treasury payments, awake to a realization of this fact, and do it soon, this country and the people of this country are going to face some very unpleasant realities.

You cannot increase government expenditures without increasing taxes.

A Good Beginning

I AM delighted to see the 1949 season starting off favorably for Kansas agriculture. It looks as if we can expect another good year of production. The best information I can get indicates moisture condition is just about right. It is reported good to excellent in virtually every county in the state. Wheat is greening up nicely almost everywhere, and is off to a good start in the southern part of Kansas.

Official figures on wheat indicate another top-notch crop. Farmers thruout the state seeded 15,805,000 acres (third largest on record) for harvest in 1949, compared to 14,634,000 acres for last year's harvest. In other words, we planted 8 per cent more acreage for 1949 harvest than a year earlier. Kansas winter wheat acreage constitutes about 26 per cent of the total winter acreage in the entire United States.

All of us are glad to know the ice covering on wheat did virtually no damage. Wheat can take a lot of tough weather and survive. We have seen that happen year after year. Despite frequent news reports many years that the wheat crop had been killed, it greened up and made a big yield anyway. It has become a familiar saying that "the headlines always kill our wheat crop several times a year before it makes another record yield."

That is one reason wheat is here, that Kansas is the greatest of all wheat states. The crop is hardy. It can take a lot of punishment. Conditions in Kansas were just right for wheat, too, or the crop wouldn't have settled down to do such a good job of production. That isn't the whole story, of course. Farmers know how to handle the crop with the most modern machinery. And important beyond common knowledge is the fact of better varieties. I mentioned only recently, quoting top authorities, that development of Pawnee, Comanche and Wichita wheats has meant millions of extra dollars to Kansas agriculture every year.

If another big crop of wheat is going to be harvested this year—235 to 240 million bushels—it seems certain the state is going to be in very good condition. Down the road, however, the problem of finding a profitable market for huge surpluses of wheat is something else again. No doubt wheat prices will be down somewhat from 1948, but it still will be a profitable crop—due, probably, to Government support prices. Profitable enough to pay for further farm and home improvements, and

pay for needed farming equipment.

While thinking about the wheat crop I was interested in running across a news release about wheat straw. The Department of Agriculture announces a revolutionary new process for making paper pulps from wheat straw. The report says that besides helping boost

eventual production of fine papers from straw, the new process will enable manufacturers of straw-board for boxes and packing materials to turn out a better product at lower cost. The new process does the pulp-making job in one hour while it formerly took 4 to 12 hours. The saving in time, and smaller investment in equipment will bring costs down very low. Laboratory researchers believe that if the process proves successful when operated under commercial conditions, it may well revolutionize completely the production of pulp and paper from agricultural residues.

Reported, also, is a new process of making insulating building boards from straw. This recent development promises to help wheat straw compete with sugar-cane bagasse and wood pulp as a raw material for insulating boards, and to encourage manufacturers to tap the Nation's unused straw resources. The report states that about 40 million tons of wheat straw alone are now burned or wasted every year on American farms. So paper and insulating building boards offer a market for this straw.

Of course, I don't agree that wheat straw is wasted when it is turned under to help the soil. But it is interesting to know that our Kansas wheat crop someday may be a three-way cash crop. Already it brings in good return as pasture. Wheat pasture has meant millions of dollars to Kansas. And the wheat yield in grain is second to none in the world for a like area. Now if the straw can bring a cash return worthwhile to farmers, the wheat crop will run the pig a close race for "using everything but the squeal."

Of course, there will be the problems of collecting the straw on the farm and shipping it to the factory. But if the market is profitable enough, those problems will be solved. And while we are at it, why not locate a pulp-making factory in Kansas where we grow the most wheat in the world?

Findings like these indicate there are new things, new uses, new ideas ahead for agriculture. Farming will continue to be as interesting as it is essential. There isn't any question in my mind that better wheats than we now have will be discovered by our scientists and by farmers. I am sure there will be. Also, someone will improve upon our present methods of selecting and taking care of the seed, of seeding the crop, and of preparing the soil. Looking at the perfection of today's machinery, farming methods and quality seed that seems almost unnecessary. But we have seen so much progress in the past a person cannot very well say anything is impossible in this day and age.

We do know this. Every manufacturer of farm machinery in the United States has the keenest minds available at work endeavoring to improve tractors and combines and all farm machinery. We know scientists are busy every day trying to develop better seed for all crops. We see soil-conservation work making good progress. We know fertilizer manufacturers are bound and determined to turn out even more efficient plant foods.

Never fear, farming will continue to be as progressive and interesting as it is essential.

Arthur Capper
Topcka.

"Fair Deal" Program Hits Some Snags

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

FALLING price levels; need for support prices and public works and possible relief programs; increased tempo of Government spending to head off recession, disinflation, deflation, or depression, have put crimps in President Truman's price and other control programs so far as early Congressional action is concerned.

Growing magnitude of national and international military expenditures; uncertainty as to Russia's intentions

that could call for military expenditures on a war scale; growing doubts in minds of Congressmen whether payrolls and national economy generally can stand increased withholdings and other taxes for the social-welfare program; plus Southern revolt against the "civil rights" program the President

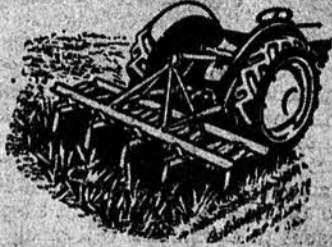
insists on pushing thru, have minimized chances of action this session on much of the Administration "Fair Deal" program.

And the "bold new" program of building a new world thru technical and other aid for backward areas, as pro-

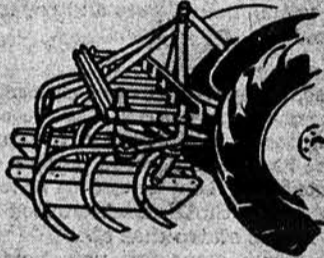
claimed in the Inaugural Address, has been thrown to the United Nations. That may not be exactly the same as throwing the program to the wolves, but delegates from other nations to UN are less than lukewarm for the project since they were informed it may not be financed by the United States.

At that, the bold new program may be assigned to ECOSOC (Economic and
(Continued on Page 37)

A few of the many
FERGUSON IMPLEMENTS for
Finger Tip Farming



Tiller—For fast, economical seedbed preparation. 7' wide; 7 or 9 tines and one-inch spacing adjustments.



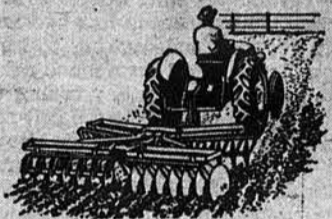
Row Crop Cultivator (Spring Tine). Cultivates two, three or four rows spaced from 42" to 16" apart. Easily converted to 7' field cultivator. One-minute attachment, with Finger Tip Control of working depth.



Grader and Terracer. For earth moving and soil conservation work. 72" blade angles to right or left. Tilts 22 1/2 or 45 degrees. Blade 12 1/2" high, 4" removable cutting edge.



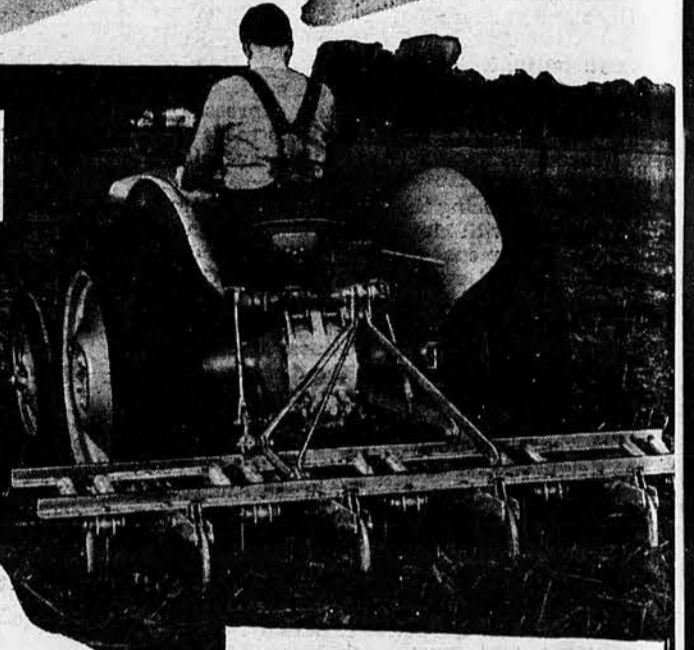
Mower. 5-minute attachment. 6' or 7' cut with automatic safety release "break back" and Finger Tip Control of cutter bar for backing and clearing. "Live" rubber bushings and Ferguson Linkage gives smooth, quiet operation.



Tandem Disc Harrow eliminates ridging, overdiscing headlands and mounding on turns. Gangs regulated by Ferguson Finger Tip Control.

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FERGUSON TRACTOR



A tractor's got to have power to spare. That's a must. But power to do the heavy work is not a matter of great size, overweight, or clumsy operation. How *much*, and how *efficiently*, power is applied to the implement... that's what counts!

The specially-designed overhead-valve engine of the New Ferguson Tractor, combined with the *one and only* Ferguson System of Linkage and Hydraulic Control, provides adequate power *fully utilized*. Natural forces add leverage to *working* power.

With 3-point attachment of Ferguson Implements, tractor and implement operate as *one* single unit, like a self-propelled machine. Traction increases as required by the pull. Finger Tip and Automatic Control raises, lowers and carries the implement, and maintains soil depth in operation!

Power *properly* managed for the wide range of work is the power-principle of the New Ferguson. Power combined with leverage! Whether you judge tractor performance by how *easy* it makes your work, the *time saved*, or by how much it lowers your *cost of production*, ask your friendly Ferguson dealer for a demonstration. You'll find the new Ferguson is the modern farm machine for *you*.

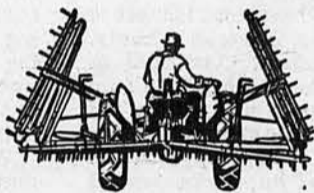
It's the FERGUSON SYSTEM that makes the difference!



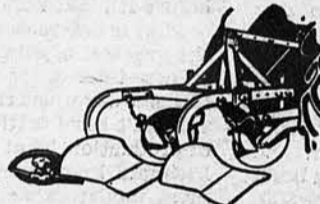
**POWER THAT SPELLS
L-O-W-E-R C-O-S-T**

This Continental overhead-valve engine has the stamina for many different jobs on your farm. Its reserve power often lets you use third gear when you'd expect to need second. Rugged, heavy-duty construction—built to "take it"!

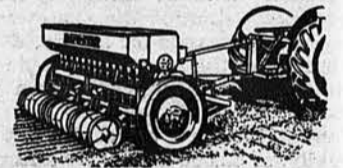
FERGUSON IMPLEMENTS FOR FINGER TIP FARMING



Spike Tooth Harrow. 17', 6" cut and two-minute attachment. Lifted and carried on tractor linkage. Outer sections fold up, latch in place. Stabilizer rods allow fast turns on headlands and easy control of implement.



Moldboard Plows—Provide depth control without levers, springs or wheels. 10", 12" or 14" bases for two-bottom plows with variety of moldboards and shares for all types of soil. Single bottom 16" available.



Dempster Grain Drill with 13" x 7" adjustable internal run feed, meters any size seed from clover to soybeans. Finger Tip Hydraulic Depth Control. 8-bushel seed box; feeding mechanism sprocket-driven from ground wheels. Disc openers and drag chain or press wheel coverers.

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Thoughts TO LIVE BY

Patience

STRANGE, isn't it? Everyone wants patience, but no one wants to be told to "Be patient." Often when a person needs patience most, he wants it least.

The need for it is very great. The farmer plants a seed and the teacher sows a thought. Both must wait for the harvest. Spring comes at the same speed for the eager beaver and his lazy neighbor. Anxiety doesn't quicken the healing process for the patient in the hospital. It just robs his convalescence of the joy he might otherwise have.

Patience has two aspects. One is active, the other passive. Job is the illustrious illustration of the man with passive patience. Finding himself in a situation over which he had no control, he admirably resigned himself to the inevitable. Wise is the man who accommodates himself to that which cannot be changed. There are times when simply enduring one's lot is a badge of heroism. John Milton discovered in his blindness that "they also serve who only stand and wait."

An old Quaker lady, with keen philosophical insight, observed 3 great follies in men. First, they go to war and kill one another, when if they would only wait long enough, they would all die naturally. Second, they climb trees to knock down the fruit which would otherwise eventually fall to the ground of its own accord. Third, and this is their crowning folly, they pursue the women; whereas, if they just waited

long enough the women would pursue them.

The active element in patience is persistence. The winning athlete keeps on running long after weariness sets in. Twenty times the mother asks her son to pick up his cap; had she stopped with 19, her efforts would not have been successful. Jacob Ries liked to watch the stonecutter. He would hammer at the rock perhaps 100 times without a crack showing, but on the 101st blow, it would split in two. He knew it was not the last blow alone which was effective, but it with all that went before.

People who keep on trying usually achieve success in establishing a happy home or a profitable business. The plodding turtle still defeats the erratic hare.

Considering the patience of the Almighty might do everyone a lot of good. It was Carlyle who said, "The great grievance I have with God is that I am in a hurry and He is not." God moves in an eternal world. Living in that same dimension made heroes of Socrates and Stephen. It will also take the tension out of life for us even in this 20th century. Furthermore, the patience of the Almighty in His relationship with men should give us all courage to keep on struggling toward goals which constantly elude use. What a prize package patience is!

—By LARRY SCHWARZ

Note: This is the first of a series of articles on "Thoughts to Live By." Perhaps you will wish to clip them for your scrapbook. Another one will appear next issue.—R. H. Gilkeson, Editor.

His Hired Hands Learn to Farm

GOOD hired hands have been no problem to Charles A. Rerick, Sumner county. Possibly one reason is that young fellows going to work for him know they will get some good, solid information about farming. Then when ready to strike out on their own he even helps them find a farm or a job, if that is what they want.

Here is what has happened to his last 4 hired hands. Charles Topinka started to work for him in 1942. After 4 years he found a farm he could rent. Mr. Rerick helped him get set up with an FHA loan. Now Mr. Topinka is farming a half-section southeast of Wellington.

Keith Ramey worked for Mr. Rerick several years before the war. When he came back he bought 160 acres and leased another 320 acres. To help him get started, Mr. Rerick again went to bat for his former hired hand, helping him to get a loan. By this time you

may have guessed that Mr. Rerick is a member of the county FHA board.

After 1½ years with Mr. Rerick, Don Thompson just recently left the Rerick farm for a quarter-section of good bottom land which he will farm. Again Mr. Rerick helped him get started.

If FHA succeeds in Sumner county, says Mr. Rerick, it is largely because of the type of men to whom loans are made. And, apparently, FHA is doing right well in Sumner county.

One of his last 4 hired hands, however, didn't take to farming. Mr. Rerick says a cousin of his was driving from Chicago to Kansas City a few years ago and picked up a young boy on the road. Visiting with the boy, Mr. Rerick's cousin took a liking to him. He gave him a letter of recommendation to Mr. Rerick suggesting that he might be able to find work for him.

The boy was Charles McCann. After working for Mr. Rerick and putting in 4 years with the army during the war, Mr. McCann returned to Southern Kansas. But instead of farming he went into business at Wichita. He now is general manager of 2 taxi cab companies in Wichita.

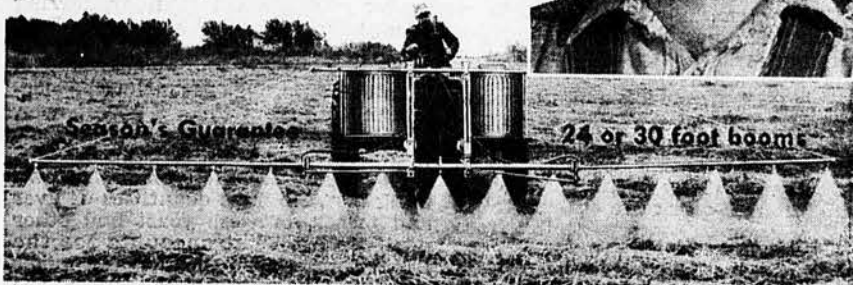
In the last 18 or 19 years Mr. Rerick says he has had good help on his farm. And not having children of his own, you can tell when talking with him that he gets a lot of satisfaction helping his young hired hands get a start on their own.

Nice Bulls

Horses, mules and cows are more dangerous than bulls, reports the U. S. Department of Agriculture. The reason is that farmers are more careful with bulls but are often careless around other farm animals. Most animal caused accidents are from kicking, stepping on feet and crowding in stalls.

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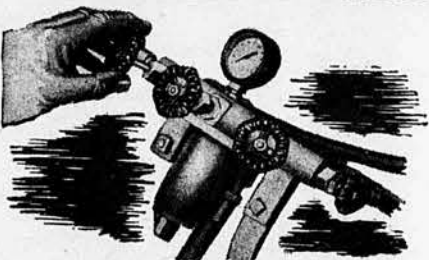
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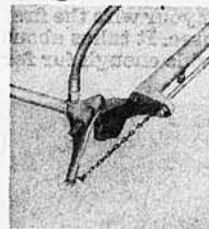
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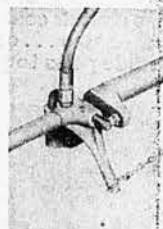
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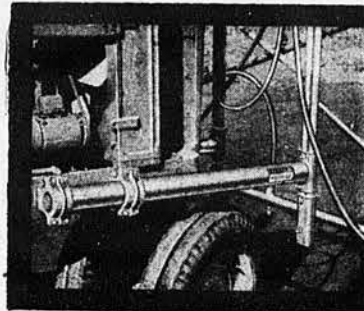


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"I learned a new word today, Pop."

Did You Know... Kansas Has 100 Mink Farms?

A POSSIBLE avocation to fill in slack time for full-time wheat farmers is spreading into rural Kansas. It is the money-making activity of raising mink. There are about 100 mink farms in the state right now that are busiest in midwinter and early spring.

The mink, of course, is a furry mammal that seemingly exists for no reason other than to obligingly become a coat for a fashionable woman who has several thousand dollars to spend on keeping warm. What's more, it is an animal with peculiar characteristics that, mink raisers say, makes it fun to raise.

O. J. Neff, Sedgwick county, is one of the Kansas mink farmers. He and his wife report with unqualified enthusiasm. Neff warns any prospective mink farmer at the outset that this is not a get-rich-quick project. "It takes about 5 years to begin to realize from a mink farm, providing everything goes according to the books. And those books," he adds, "are mighty important. There's a bit of studying necessary in this business that helps in heading off trouble, and in recognizing it before it gets out of hand."

Not that mink raising is particularly complicated, it would seem. Nor is it a lot of hard work. It is expensive, however, say the Neffs, to learn much about diet, pelting, mating, equipment, marketing, ailments and other normal items purely from one's own experience.

Started 3 Years Ago

Mr. Neff started his farm about 3 years ago with 27 females and 6 males, all full-blooded stock. Since then he has acquired other animals by purchase as well as by breeding operations. He has sold pelts each year, has dispersed stock to other operators, but mainly he has been developing his operations. The present number of "pets" runs just below 200 in a ratio of about 3½ females to one male.

"Reputable operators," says Neff, "follow a set pattern each year. They keep their best stock, sell seconds to other breeders, kill the remainder. That isn't unusual in the operation of any animal project, I understand."

Mrs. Neff voiced the woman's viewpoint. "Don't think for a minute that you can decide to own a mink farm and raise a mink coat for your wife the first year or two... or three. It takes about 70 male pelts to provide enough fur for

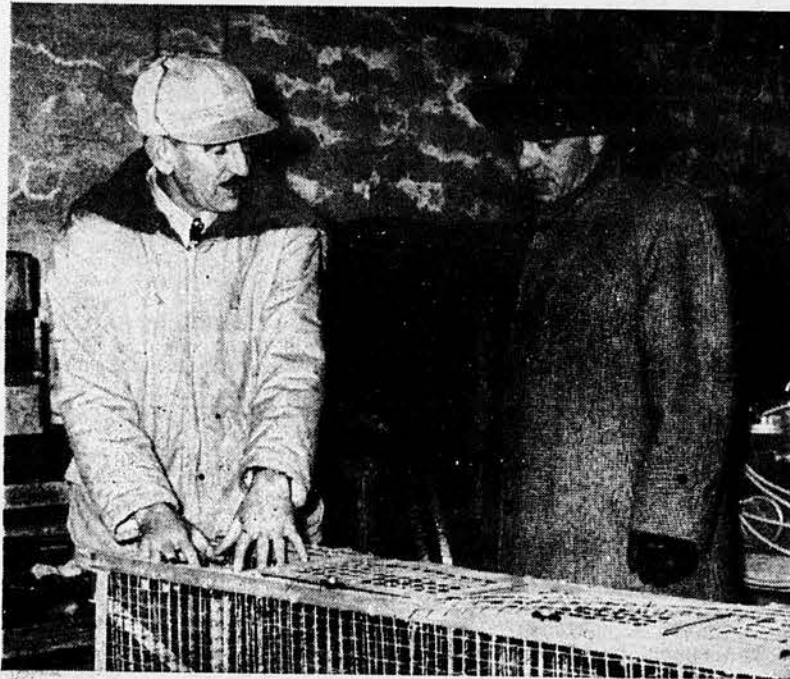
a "new look" coat, about 85 females. Even so, the pelts in such a coat are selected from among hundreds of possibilities that are carefully matched for color."

The Neff layout looked rather extensive to the inexperienced eye of your reporter. They have a concrete-block building and 2 metal shelters, several rows of cages and extensive wiring for full electrification. There is a 20-ton freezer, a 330-cubic-foot walk-in locker, water pump, meat grinder, furring drum, wood saw, meat saw, food mixer, 50-gallon hot-water heater, 3 electric drills, metal shear, and a soldering iron... all electric. This list includes 8 electric motors from ¼ to 3 horsepower. The killing of the mink even is done with electricity.

Obviously, Mr. Neff mixes his own mink diet. He buys quantities of liver and meats, brewers yeast and other perishables. That accounts for the freezer units. The grinder and mixer have obvious uses, as do most of the



In the Neff home, electricity plays a big part. Much of the electrical equipment was installed under the supervision of Lee King, Kansas Gas and Electric Company rural representative, shown here with Mrs. Neff.



Vaccination of mink requires agility, Mr. Neff tells Norman Jacobshagen, of the Kansas Gas and Electric Company, Wichita. The animal is placed in one of the cages until the vaccine is ready, then the cover is lifted and the operator makes a quick grab with both hands, injects the serum, and replaces the mink.



O. J. Neff, Sedgwick county, displays one of his prize males, a platinum "blond" strain upon which he places considerable value. He explains that Kansas weather is entirely satisfactory for mink culture, that more mink are produced in southern states than in the north, but that the quality is poorer.

their fur is ready, when the skin is white, rather than blue, and the guard hair stands straight up rather than at an angle, the mink must be killed. December is the month for that.

Mr. Neff has rigged up a chute with 2 electrodes on which the mink stands. Electricity is fed thru resistors to build up amperage and the charge does the job in seconds, with no damage to the pelt. The pelt is then removed, chilled on a shaping board, the surplus fat is scraped by hand, then the furring drum comes into use.

Drum Tumbles the Furs

This motor-driven, sawdust-filled, tub-size drum tumbles the furs to make them more pliable and remove more of the fat. The pelts then are dried and shipped to an auction company where they are treated, sorted and matched, then sold. Finally, the furrier takes the matched pelts, cuts them into strips no wider than ¼ inch, sews the strips together to bunch the fur, then fashions the garment. This operation is another story, an expensive story.

But back at the mink farm they are getting ready for the breeding season. Along about March another period of activity takes place. Similar to all hybrids, mink require considerable attention to assure pure strains, and here again the mink does not consider the convenience of its captors.

So December and March are peak seasons in the mink business, so are February (vaccinate) and May, when the young are born. Other than that, the normal operation of a mink farm is little more than feeding. So it fits in with a wheat-farming schedule conveniently, it would seem. Jake Neff and his wife say it is fun, too—but they add one more caution. It would be pretty rough without the help of electricity.

other items. All, that is, but the furring drum. That comes into use during pelting. Big operator? Neff says that a fair-size operation raises 1,000 mink... which he can do without too much expansion.

Indeed, that electricity is mighty important, he maintains. These rascals don't accommodate by becoming "prime" at your convenience. When

First Alfalfa Crop Goes in Silo

THE best place for the first crop of alfalfa is in the silo. That is the way Everly Harsh, Sumner county, feels about it. The first crop is stemmy and makes better silage than hay, he pointed out. In addition to that, the first crop usually is in danger of severe losses due to weather conditions. He uses several silos in his cattle feeding operations which permits him to feed both sorgo and alfalfa silage at the same time.

Altho he used a homemade moisture tester when he first started ensiling alfalfa, he soon was able to gauge proper wilt by feel. After using the tester a few times he no longer needed it. During a normal drying day, he cuts just enough alfalfa in the morning to pick up in the afternoon with a field cutter and blow into the silo. Silage put up last year was perfect and he used nothing with it. Mr. Harsh believes there is more danger in ensiling alfalfa too dry than too wet.

Last fall Mr. Harsh had 100 head of steers he took off pasture early in October. He intended to put them on a short feed and have them ready for market about mid-December. The steers were slightly nervous in temperament and didn't take to feed right.

Then they came to the point where they would eat neither sorgo silage, corn or baled hay. He mixed half sorgo and half alfalfa silage and they started eating. Altho he lost several weeks of feeding time, he believes the alfalfa silage helped him bring those steers out of the slump. It seemed to act as a conditioner for them, he says. Apparently it was just what they wanted in their ration.

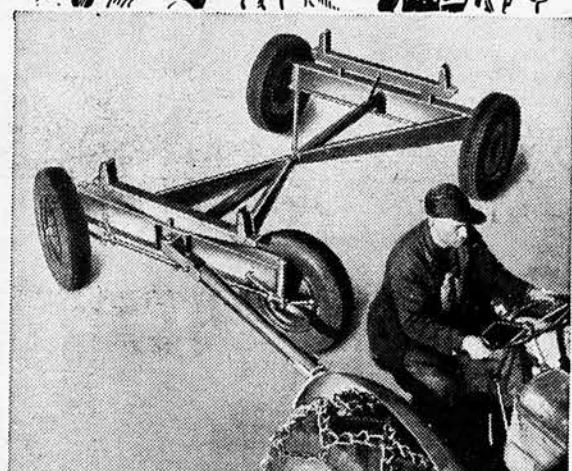
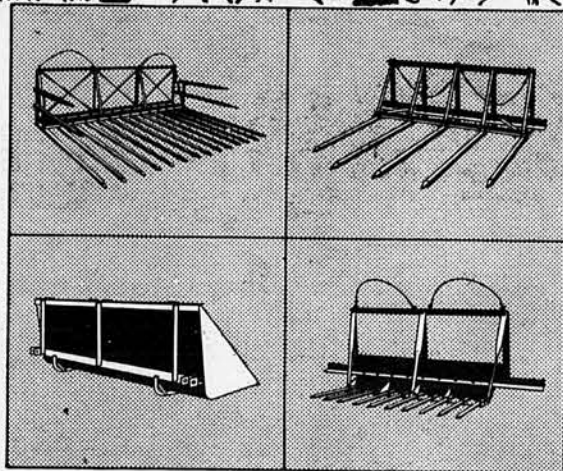
Diseases of Swine

Hogs are subject to many diseases, some of which are readily communicable. They are also susceptible to infestation with different kinds of parasites. Young pigs are most easily injured by such parasites. Farmers Bulletin, "Diseases of Swine," is now available to our readers. The information is reliable and covers many phases of the subject. It is a valuable booklet for the hog raiser's library. Please address Farm Service Editor, Kansas Farmer, Topeka, for a free copy of the bulletin.



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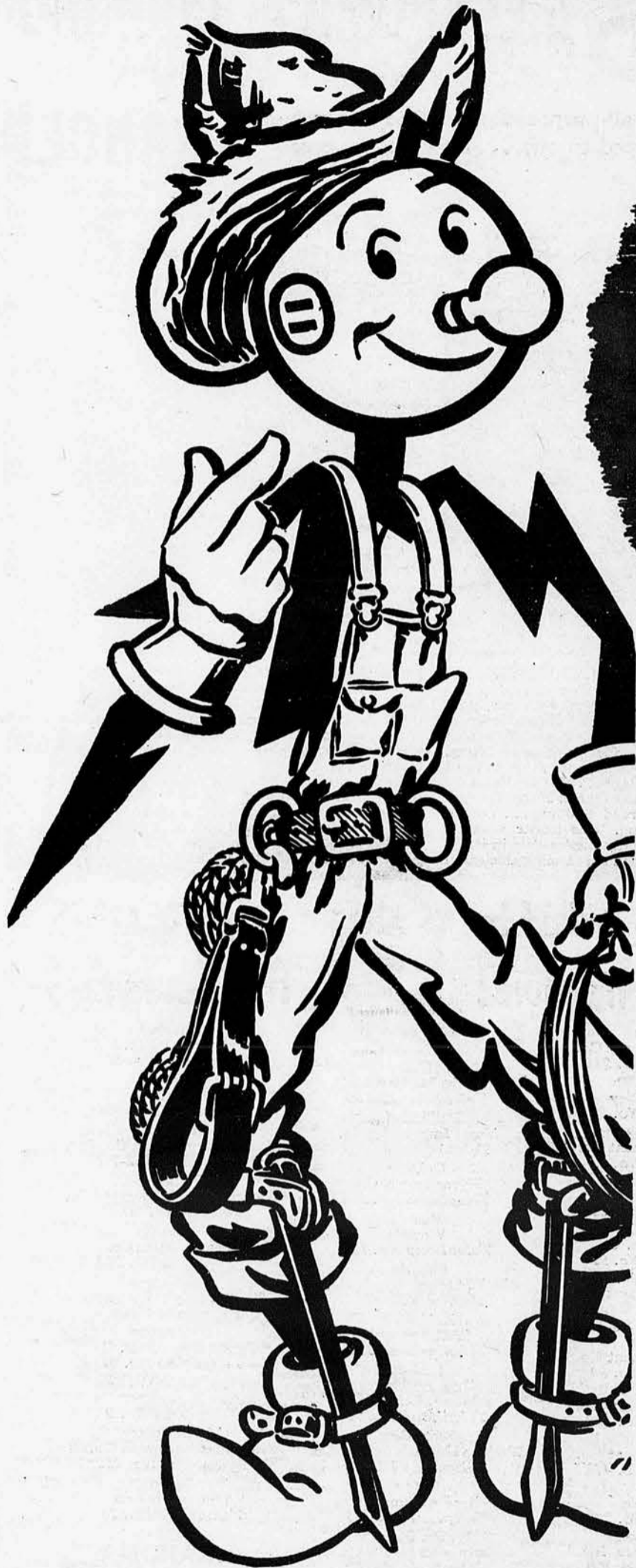
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This Message from the Pioneers of Rural Electrification

The Cover Picture

OUR cover girl on this issue of Kansas Farmer is Velma Duff, 14-year-old daughter of Mr. and Mrs. Leland C. Duff, who farm in Osage county.

Velma is in her second year of 4-H Club work and the first year on a "Planning the Wardrobe" project. In the cover picture she is shown working on part of her proposed wardrobe. Her other project is "Helping With Supper."

There are 8 girls in the Lyndon Leaders home economics project group to which Velma belongs. Mrs. Kenneth Romine is leader.

The keen interest which 4-H Club girls have in such projects is demonstrated by one of the members, Audrey Kitchen. Miss Kitchen, with her father, has moved to Topeka to make their home, but Audrey drives back to Lyndon for all her project meetings because they mean so much to her.



Mrs. Kenneth Romine, left, girls' leader for the Lyndon Leaders 4-H Club, gives sewing pointers to Vivian Cramer, a member of her group.



Five of the 8 girls in the Lyndon Leaders Club meet at the Romine home to work on "Planning the Wardrobe." They are, right to left, Vivian Cramer, Audrey Kitchen, Lynne Campbell, Velma Duff and Viola Redenbaugh.

Farmwife Nurse

By RUTH McMILLION

NEAR Fowler, on the high plains of Meade county, lives Coletta Low, Registered Nurse, wife of farmer-stockman Irvin Low. Mr. Low operates 280 acres and runs stock cattle. He has about 700 acres of wheat, rye and barley and serves as substitute mail carrier.

Married in 1947, Mrs. Low was doubly busy with raising chickens, doing housework, cooking for men and helping her husband transform an old farmhouse into an attractive and inviting home. That April the town of Fowler opened its new Fowler Community Hospital and nurses were scarce. Consequently, young Nurse Low was their constant and obliging aide. At that time there were 3 other nurses at the hospital, but Mrs. Low their only registered nurse. Therefore she usually supervised, nursed, and cleaned in her effort to help keep the hospital going.

Frequently an SOS came for her at midnight because 2 Fowler doctors took their patients to the hospital, also doctors from the neighboring town of Meade. When it was wet or snowy the 1/2 miles into town were bad ones, but Coletta managed to get to the hospital. When on regular duty Mrs. Low would

get up at 5:30 a. m. to get her house in order before going to work, and arrive home again that afternoon at 4:30 or later. When it was impossible for the hospital to spare her, Mr. Low took over on the farm and cooked for as many as 3 men for a week at a time.

At present both Mr. and Mrs. Lows' responsibilities have increased. Last September they became the parents of a little son, but Coletta again is working to relieve some nurses at the hospital. She works in the evenings or the night shift, as Mr. Low is temporarily mail carrier and can care for the baby only at night.

Mrs. Low received her training at St. Francis Hospital in Wichita, and has gone back into Wichita at different times to serve on special cases. She also takes special cases in neighboring towns, and gives talks to high-school classes on the possibilities of a nursing career.

Regardless of how much she would like to relax and enjoy her home and new family, Mrs. Low assumes the responsibility of her profession and expects to continue nursing as long as her community needs her.

The Fowler Community Hospital really has been fortunate in the ready service and conscientious efforts of pretty Nurse Low. Wherever she works she is noted for her lovely and pleasing personality.



Coletta Low, R.N.

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I make pretty washable curtains of bright-plaid or flowered-seersucker material. With a whisk of the iron, the curtains will be bright and new again after a quick washing.—Mrs. V. A.

Shellac Suitcases

I apply a thin coat of shellac to fabric or paperboard suitcases to add extra durability.—Mrs. R. S.

Plaster Patch

Before repapering, cover holes in plaster with patches cut from discarded window shades. Paste well, and allow them to lap generously onto unbroken plaster. When covered with new paper, the patch can't be detected, yet offers almost as much resistance to breaks as wood.—Mrs. E. A.

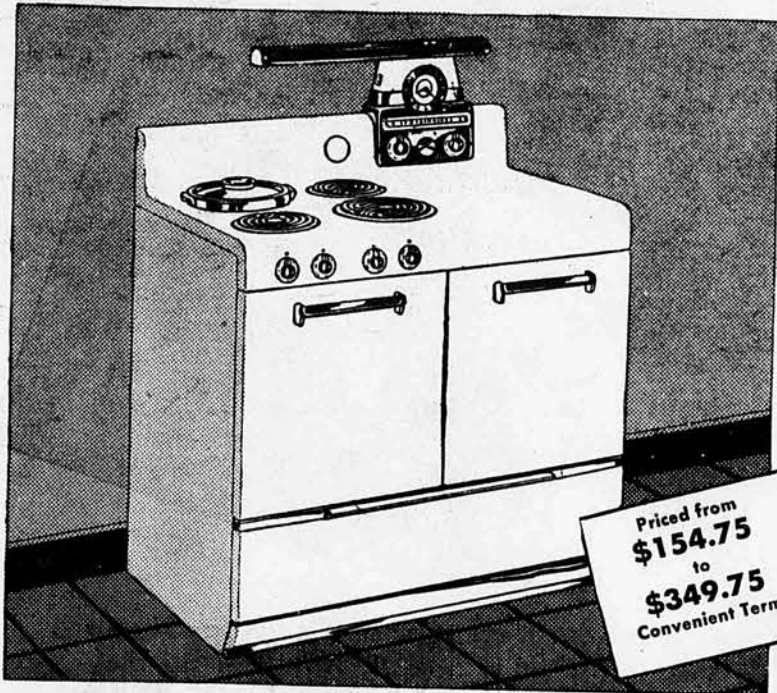
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Hamm Electric Co.</p> | <p>COUNCIL GROVE
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Mead Electric Service</p> <p>DODGE CITY
Hainline Appliance Co.</p> <p>DOWNS
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Kallhaus Bros. Sales & Service</p> <p>EL DORADO
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Erie Hdwe. & Furn.</p> <p>ESKRIDGE
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Mantel's Dept. St., Inc.</p> <p>HARPER
Jess Hamilton</p> <p>HAVEN
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Quenzer Appl. & Hdwe.</p> <p>HILLSBORO
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Gelman Appl. Co.</p> <p>HOPE
W. W. Wuthnow Furn. Co.</p> <p>HOWARD
Vred Munsinger</p> <p>HOYLE (Grinnell)
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Rodkey's Elec. Serv.</p> <p>PLAINVILLE
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Quinter Appl. Store</p> <p>RILEY
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Koeit's Electric Store</p> <p>ST. JOHN
Peacock & Solce</p> <p>ST. MARYS
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Goodhousekeepers Appl., Inc.</p> <p>SCANDIA
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Timken Lumber Co.</p> <p>TRIBUNE
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Turon Elec. Supply</p> <p>ULSSES
Burham Electric Co.</p> <p>WAKEENEY
Clark Supply Co.</p> <p>WAKEFIELD
Sanborn Lumber Co.</p> <p>WAMEGO
J. E. Stewart & Sons</p> <p>WASHINGTON
Davis Food Bk. & Ap.</p> <p>WATERVILLE
Hensley Hdwe. & Furn.</p> <p>WELLINGTON
Nichols Electric Co.</p> <p>WICHITA
Bennett Music House</p> <p>WICHITA
Geo. Innes Co.</p> <p>WICHITA
Vowel Furniture Co.</p> <p>WICHITA
Whitcomb Appl. Co.</p> <p>WILSON
Weber Hardware</p> <p>WINFIELD
Winfield Electric Co.</p> <p>YATES CENTER
J. C. Schnell</p> |
|---|---|---|--|

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Check Your Flock On These Points

A LOT more improvement is needed to bring Kansas poultry-management practices up-to-date. This fact was disclosed by a survey of production and marketing practices conducted by the Kansas State College Experiment Station.

J. W. Koudele, of the college poultry husbandry department, was in charge of the survey. "Our study indicates that many egg producers do not realize the relationship which exists between adequate production facilities, sound management and marketing practices, and high egg quality," he said.

Ninety-two producers in 32 townships were surveyed. These were classified according to size of laying flocks. Large-size flocks were set at 300 or more birds, medium-size flocks at 101 to 299 layers, and small-size flocks at 100 layers or less.

The following summary shows the percentage of surveyed producers following each of the various recommended practices. Get out your pencil and score yourself to see how good a job you are doing with your poultry flock. Produce quality eggs more efficiently with these practices.

Per Cent of Producers, by Size of Laying Flock

Recommendations	Large	Medium	Small	Your Record	
				Yes	No
Housing and Equipment:					
Use strawloft	46	31	20		
Provide enough floor space (3½ sq. ft. to layer)	15	38	75		
Use droppings pits or droppings boards	77	67	50		
Enclose droppings pits or boards with wire	60	42	30		
Use compartment-type nest	8	10	13		
Provide enough nesting space	46	54	78		
Have automatic running water in laying house	8	8	5		
Feeding Practices:					
Feed proper ration (both grain and mash)	85	85	68		
Provide oyster shell	100	98	88		
Management Practices:					
Start chicks by May 1	84	91	75		
Purchase day-old chicks	77	91	72		
Use straw or cracked corn-cobs as floor litter	100	82	60		
Use built-up litter system	38	28	32		
Use proper nesting material (prairie hay)	31	28	33		
Permit no roosting in nests at night	92	89	87		
Confine flock when ground is wet or muddy	92	79	68		
Provide separate ranges for growing and laying flocks	38	42	26		
Use electric lights in laying house	69	26	10		
Place drinking waterers on platforms	46	44	35		
Warm drinking water for layers in wintertime	69	33	27		
Care of Eggs:					
Gather 3 or more times daily	0	5	2		
Use wire basket	23	10	8		
Sort out and use on farm all dirty, small, checked and misshaped eggs	23	49	52		
Use 1% lye water if dirty eggs are washed	0	0	0		
Buff clean slightly dirty eggs before marketing	31	36	18		
Cool eggs overnight before packing in case	69	78	75		
Pack eggs in case properly (small end down)	46	53	45		
Provide cool holding room during summertime	77	69	54		
Regulate humidity in holding room	0	0	0		
Marketing of Eggs:					
Use an entire lid on egg case	46	33	22		
Market at least twice weekly	54	31	29		
Sell on graded basis	31	15	5		

Liberal Invites Farm Forum

THE Five-State Farm Forum, to be held at Liberal, March 22 and 23, is attracting talent from surrounding states. Dr. R. I. Throckmorton, dean and director of the Department of Agriculture at Kansas State College; Dr. H. E. Myers, head of the Department of Agronomy and late advisory to the Egyptian Government in Africa; Dr. A. D. Weber, Livestock Department, Kansas State College; Dr. L. C. Williams, dean and director of the Kansas State Extension Service will be the Kansas representatives.

From out-of-state come Dr. J. E. Ireland, professor of agronomy, Oklahoma A & M, Stillwater, Oklahoma; Dr. D. A. Savage, in charge regressing demonstration Southern Great Plains, Woodward, Oklahoma; Drue Dunn, Extension agent, Jackson county, Oklahoma, formerly from Idaho; T. Guy Stewart, Land Use Planning Board, Colorado A & M, Fort Collins; Ray Cuff, manager, National Livestock Loss Prevention Board, Kansas City.

Farmers and ranchers, both large and small, are coming to trade information with these thinkers and observers of the Great Central Plains. This is the fourth year for the Five State Farm Forum. Attendance has been increasing. The large exhibit building and auditorium at the Five State Fairgrounds will be used. Conference rooms are being prepared. Some 30 head of the top-notch Hereford cattle are coming in for the Hereford type demonstration, conducted by Dr. A. D. Weber, International judge, Chicago.

Tom Collins, Nationally-known lecturer and humorist, will entertain the crowd Tuesday night. Lloyd Lambert, chairman of room entertainment is making up a list of rooms in private homes for those who cannot find hotel reservations.

Prevents Bumps

If low rafters in the attic or over stairs give you repeated headaches, either paint them with luminous paint or nail up red bicycle reflectors as a reminder to duck.—E. A.

Four Farm Meets Coming

At Hutchinson, Dodge City, Colby and Beloit

FOUR Farm, Home and Industrial Conferences the week of March 26-April 1 in Hutchinson, Dodge City, Colby and Beloit will conclude the series of 6 such district events the Kansas State College Extension Service at Manhattan is conducting this year, in co-operation with chambers of commerce in the host cities. Previous conferences have been held in Topeka and Coffeyville.

Dates of the conferences are as follows: Hutchinson, March 28-29; Dodge City, March 29-30; Colby, March 30-31; Beloit, March 31-April 1. General assemblies and separate agricultural, home economics and industrial sections will be held at each conference. Arrangements are being made locally for evening sessions and rural youth parties.

Nine speakers, 6 of them from Kansas State College, will be at all conferences. They include Dean L. C. Williams, who will speak on the subject "Balanced Farming Makes Better Living"; Paul W. Griffith, who will discuss "Keeping Kansas Agriculture Up-to-Date"; Ray Hoss, "Economic Situation as it Affects Agriculture"; R. J. Doll, "Federal Agricultural Legislation"; W. G. Amstein, whose topic is "Practical Way to Develop Attractive Homes and Yards"; Per Stensland, "You, Your Community, and World Peace"; and C. R. Jaccard, who will discuss "Soil Conservation Problems in Kansas." Mrs. Ruth Gagliardo, Lawrence, director of the Kansas State Teachers Association reading circle, will speak on "Books for the Entire Family," and Elizabeth Whitney, Chicago, Kraft Foods Company, has the subject, "Cheese in Our Meals" at all conferences.

Representing industry as it is related to agriculture are Maurice Fager, Topeka, director, Kansas Industrial Development Commission, who will speak at Dodge City and Beloit; Fred Stein, Atchison, president, Stein Laboratories, who is scheduled for the Dodge City and Beloit meetings; Herbert W. Hoover, Garden City, secretary, Western Kansas Development Association, who is to be on the program at Colby; George B. Weeks, Dodge City, western representative, Kansas Industrial Development Commission, on the Colby program; Dr. W. B. Burnett, Wichita, director, University of Wichita Foundation for Industrial Research, who will be at Hutchinson; and C. Y. Thomas, Pittsburg, vice-president Spencer Chemical Company, who will speak at Hutchinson.

Georgiana Smurthwaite, state home demonstration leader at Kansas State

College, has the topic, "Today's Home" at Hutchinson and Dodge City. Another member of the extension faculty, Mrs. Vivian Briggs, family life specialist, will speak at Colby and Beloit on a satisfying family life. John F. Helm, Jr., department of architecture at Kansas State, will be at Beloit and will discuss Kansas artists. Extension conservationist R. C. Lind will discuss soil-conservation problems in central Kansas at Hutchinson and Beloit.

Others on the conference program are L. C. Aicher, superintendent, Fort Hays Experiment Station, who will discuss the topic, "Livestock Farming Promotes Conservation" at Dodge City; E. C. Coles, superintendent, Colby Experiment Station, who will appear on the Colby program to discuss the same topic Mr. Aicher has at Dodge City; Nick Heitschmidt, Natoma, who will speak at Beloit on farming in Europe.

Standard of excellence awards to home demonstration units which met recognition standards in 1948 will be presented by Miss Smurthwaite.

Uses Silo Unloader

Ensilage every day. That means a lot of climbing up and down the silo. Not to mention the effort in pitching ensilage 10 to 14 feet into the chute. Ailiff Neel, McPherson county, has put a stop to that. He feeds ensilage every day but climbs the ladder up into his silo only about once every 2 weeks. He is using an automatic ensilage unloader for the first time this year.

All he needs to do is set the hydraulic control from down below, then turn on the switch. The unloader does the rest. About once every 2 weeks he has to climb the ladder to move the blower pipe down a notch.

Serrated scrapers attached to 3 booms scratch the ensilage toward the center of the silo. The booms are driven electrically. The scrapers are curved just enough to move the ensilage inward as the booms revolve. There a blower picks up the ensilage and forces it out the door.

Mr. Neel says it makes silage feeding a pleasure.

More Steel for Bins

A special program to allocate more steel to manufacturers of grain bins is now in force, and should ease the grain storage problem some this year.

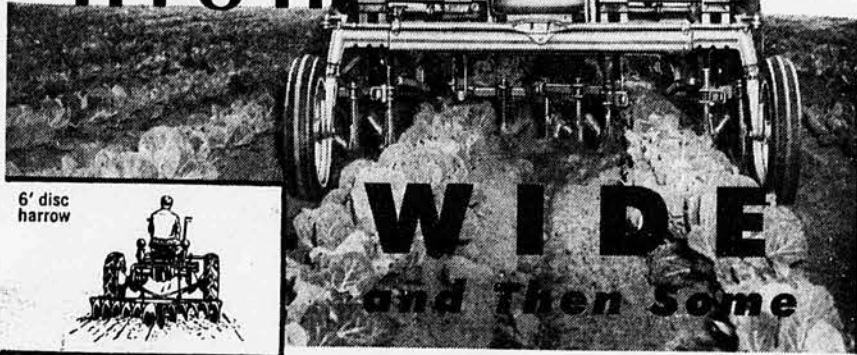
The program will supply bin manufacturers with 8,400 tons of steel monthly for 6 months. This will allow making enough bins to store 100 million bushels of grain.

GRANDMA . . . By Charles Kuhn



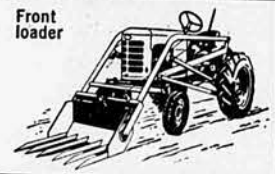
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The New Model D Earthmaster



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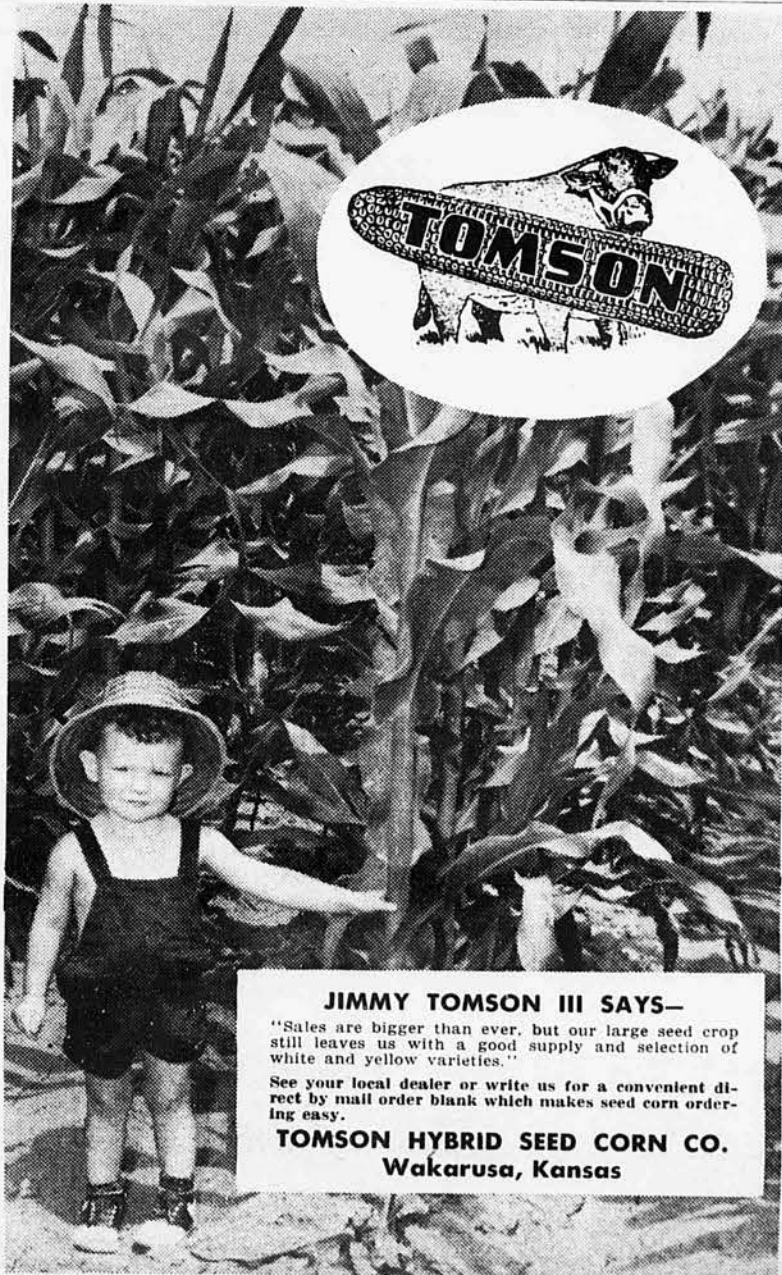
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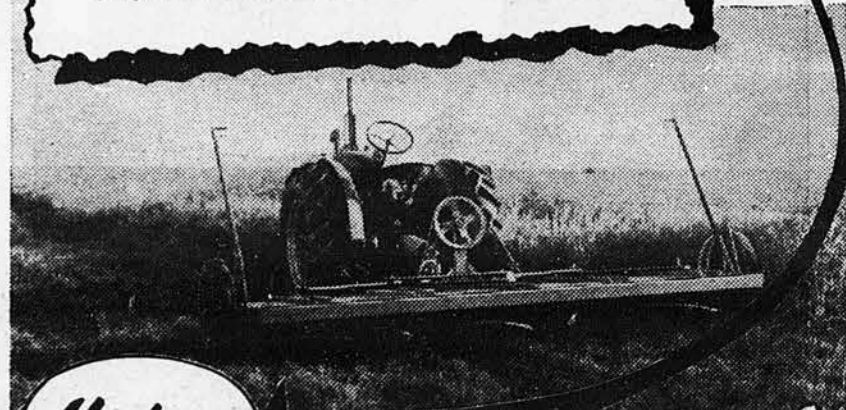
- STRONGBARN** will stand up under heavier loads than conventional corrugated roofing.
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- STRONGBARN** is 21 pounds per square lighter than 26 gauge roofing yet equal in strength.
- STRONGBARN** permits you to place girts and purlins farther apart.
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Honor to 4-H Leaders

By EULA MAE KELLY



TALKING it over with Mrs. Lucy "Aunt Lucy" Pottorf, first Kansas 4-H Club leader to ever receive the 4-H award of an emerald clover for a quarter of a century's leadership, are these honor guests at the Manhattan dinner.

From left to right: Mrs. John Thielen, for 19 years a leader of the Wide Awake 4-H Club, Neosho county; Keith Boller, Newton, and Evelyn Haberman, Heizer, 1948 winners of the WIBW state service award; Donna Gies, Tecumseh, a 1946 winner; Mrs. Pottorf, and Milton S. Eisenhower, president of Kansas State College, who presented the pin to Mrs. Pottorf and read a salute to the other leaders present.

Mrs. Pottorf is now in her 26th year of continuous leadership of the Magic 4-H Club, in Riley county. When Aunt Lucy received her diamond award in 1943 for 20 years' service she remarked that it was the first diamond she had ever owned, that her jewels "have been human jewels—the 150 club boys and girls who have been under my guidance thru the years." Now that number has increased to more than 200.

RECOGNIZING "warmth of character and personality dedicated to the noble purpose of training youth," Kansas observed National 4-H Club Week this year by honoring leadership—both adult and junior. The 7 recognition dinners held over the state March 5, 7, 8, and 9, not only heralded those present, but every one of the 5,071 farm men and women who serve as volunteer community leaders, and the 2,438 junior leaders who assist in the club program.

Twenty-two stalwarts of club work—faithful men and women who had led clubs for at least 15 years or more—were brought into Manhattan for a special day of honor. A tour of the campus, flowers for the shoulder or the boutonniere, certificates, and a salute from the president of Kansas State College, places of honor at the dinner in Thompson Hall—these were the courtesies extended to these rural leaders.

Mrs. Lucy Pottorf was the humble queen of the day. Dating from the horse-and-buggy days of club work, "Aunt Lucy" told the banquet crowd and the radio audience that if you want to find a fountain of youth "get in the 4-H parade." The record of each long-time leader was heart-warming. More than 400 years of service to 4-H Club work were represented by the honored guests.

Radio Station WIBW state service award winners brought the flavor of youth to the dinner, as did the attendance of some 40 members of the newly-organized Extension Club at Kansas State College and junior leaders from surrounding counties.

Taking a pattern from the Manhattan dinner and adding local interest, 6 district recognition dinners were scheduled as follows: Monday, March 7, 12 noon, Salina; Monday, March 7, (Continued on Page 15)



AN IMPORTANT part of the day's festivities for the veteran 4-H Club leaders who were honored at the state recognition dinner at Kansas State College, Manhattan, March 5, was a call on Dr. Milton S. Eisenhower, president of the college, in his office in historic Anderson Hall. The leaders, all of whom have served Kansas club youth for at least 15 years, were introduced to the president by J. Harold Johnson, state club leader. Front row, left to right: Kenneth Sherwood, Concordia; Mrs. Laurence Fauver, Marysville; Mrs. Chester Wright, Admire; Mrs. John Thielen, Chanute; President Eisenhower; Mrs. G. E. Stuckey, Wichita; Mrs. John Murray, Barnard; Mrs. J. B. Whitley, Perth; S. R. "Uncle Ford" Hutcheson, Olathe.

Second row, left to right: John Keas, Atchison; Mrs. Floyd D. Streater, Denton; W. H. Painter, Meade; Mrs. C. C. Mott, Pratt; George Vitt, St. Paul; Glen Allen, Topeka; Ben Meyer, Belpre; Blair N. Cooper, Carbondale; Thomas Curry, Wichita; Walter Haltom, Alden, and J. B. Whitley, Perth.

Leaders, who were honored, but are not in the picture, include: John Kugler, Abilene; Mrs. Lucy Pottorf, Riley; and Mrs. L. O. Caldwell, Crowburg.

6:30 p. m., Colby; Tuesday, March 8, 12 noon, Dodge City; Tuesday, March 8, 6:15 p. m., Hutchinson; Wednesday, March 9, 12 noon, Lawrence; Wednesday, March 9, 6:15 p. m., Independence. The dinners were sponsored by the Kansas Bankers Association and Radio Station WIBW.

Reservations at the district dinners included these long-time adult leaders from surrounding counties:

SALINA: Mrs. J. H. Houghton, Tipton; Mrs. Ernest Windhorst, Wells; Forrest Johnson, Holyrood; Mrs. Fred Garipey, Bunker Hill; Mrs. Nettie Hale, Alton; Mrs. Walter Sheets, Glasco; Mrs. R. V. Knowles, Salina; Ben Bigge, Stockton; Mrs. John Bowyer, Abilene.

COLBY: Mrs. Hugh Errington, Ruleton; Mrs. Alvin Wolkensdorfer; Herndon; Mrs. R. C. Miley, Dresden; Mrs. Orville Baker, Alma; George Budge, Brewster.

DODGE CITY: Mrs. Walter Moomaw, Dighton; Mrs. Larson Russell, Hopewell; Don Hildebrand, Fowler; Mrs. H. A. LeRoy, Great Bend; Mrs. Chester Jordan, Hanston; Mrs. Ralph Kirkpatrick, Dodge City; Thelma Flair, Montezuma; Mrs. Zula McFadden, Mullinville; Arthur Strobel, Garfield; Lynn Russell, Garden City.

HUTCHINSON: Mrs. C. O. Heinly, Little River; Mrs. H. R. Nickel, Hillsboro; Kenneth Knott, Hesston; Marion Beal, Danville; Mrs. Steve Hardesty, Murdock; C. C. Cunningham, El Dorado; Roland Miller, Mayfield; Mrs. Harold Titus, Stafford.

LAWRENCE: Guy Rogers, Garnett; Mrs. Orion Williams, Hoyt; George Smith, Highland; Ritchie Brown, Olathe; Millard Wren, Williamsburg.

INDEPENDENCE: Mrs. D. E. White, McCune; Berenice Sievers, Humboldt; Russell Simmons, Severy; Mrs. Dale Archer, Grenola; Mrs. Farris Wilson, Moline; Mrs. Henry Watkins, Erie; Mrs. Theodore Myers, Fredonia; Leo Collins, Piqua; Mrs. C. C. Cole, Fort Scott; Mrs. Mark Schenk, Independence; Claude Gray, Altamont.

Uses Packer-Seeder

Last fall was the first time Everly Harsh, Sumner county, used a double-row surface packer with seeding attachment to seed alfalfa. It worked to perfection, he says. And it was a bad year for alfalfa seeding. He doesn't know of another stand obtained in the neighborhood last fall.

The soil was dry when he seeded. Alfalfa was packed into dust. A light sprinkle, about 1/8-inch, he says, was just enough to get it started. After that it turned off dry again but the alfalfa never stopped growing.

When 2 leaves had formed on the young plants he sprayed weeds along and outside the fence row with chlordane. Then he sprayed a strip of the young alfalfa about 20 feet from the fence row. This spraying was done early in the morning before sunrise when dew was still on and before the hoppers were ready to move out of the weeds into the alfalfa.

The result was effective. Mr. Harsh says many of the hoppers got their fill of chlordane in the fence row. Others took one hop into the alfalfa right into the strip he had sprayed and were stopped there.

A Surprising Grass

A long-neglected native grass—sand love grass—may be the plant that will rejuvenate the buffalo grass area for increased beef production.

In Oklahoma studies, native range pastures with the most sand love grass have consistently produced the highest cattle gains. Cattle have preferred sand love grass when they had a choice, and gains on this grass have been superior to those on either blue grama or buffalo grass.

Sand love grass has a higher phosphorus content and more vitamin A in the spring, summer and fall. It also has the ability of the short grasses to retain half of its high food value when winter-cured. It is best adapted to sandy areas.

Doubled Wheat Yield

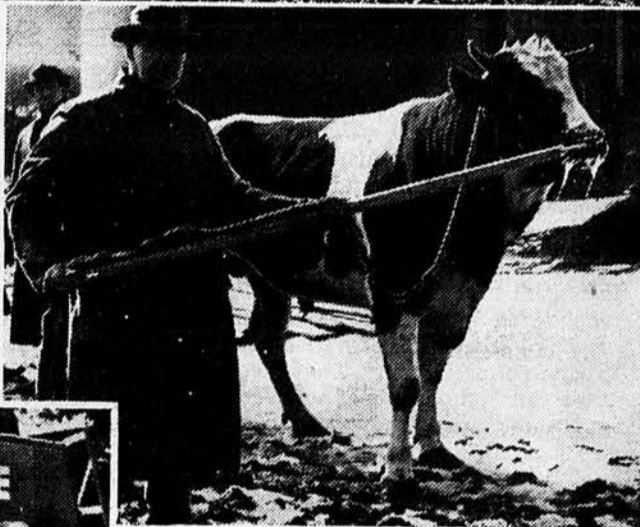
Prior to the war, says George S. Renn, Wellington, he worked out a plan with his tenants to go over a full 240 acres with sweet clover in rotation with the wheat program. As a result he has collected yields that have not been below 26 bushels, and some have been above 30 bushels an acre. Before that averages of 15 or 20 bushels were considered excellent.

Farm Service Bulletin



1 GRASSHOPPER WARNING—New insecticides, chlordane and toxaphene, will be available as sprays, dusts or bait. Community action is best. See your county agent.

2 FOOT-AND-MOUTH DISEASE—Prompt discovery of this highly contagious disease of cattle, sheep, goats, swine is important if an outbreak should occur in the United States. Learn the symptoms now. Write to U.S.D.A.



CITIES SERVICE

3 NEW DESIGN TRACTOR TIRE—The Cities Service Mudmaster tire has a double buttress continuous tread to expel dirt and mud. It rides smoother, gives better traction and lasts longer. Buy Mudmaster tires from the Cities Service Farm Representative.



4 CLEAN ENGINES GIVE MORE POWER—The remarkable Cisco Solvent thoroughly cleans out the crankcase area of your farm engines. Removes sludge and other troublesome deposits. Buy it from your Cities Service Farm Representative.

5 NEW STREAMLINED HOG—The 1949 model streamlined hog (center hog in photo at right) has a longer body and a greater proportion of lean meat. It gives more ham, bacon and loin for each pound of feed consumed. The new hogs also have large litters.



CITIES SERVICE
QUALITY PETROLEUM PRODUCTS
Accessories for the farm



At Left: These attached buildings, on Byler Pine Crest farm, house 12-stanchion, double-row milking parlor in foreground, also hay storage and loafing area in larger buildings in background. There is room for 400 tons of hay in the center of the 84- by 88-foot barn. Loafing sheds on each side are 30 by 84 feet. Dividing gates at entrance to milking parlor bring cows in from one side of loafing barn, shunt them out to other side. Notice maternity ward at far right.

Ideas for Dairying

Handy Equipment Saves Time and Money

JOE BYLER, Sumner county, has ideas by the bucketful to make his dairy modern. His ideas save him time and money. He couples these handy ideas along with well-planned programs for both his producing cows and growing calves for utmost efficiency.

The result is maximum milk production from his registered Jersey herd, with a minimum of labor. His herd of 41 cows last year averaged 413 pounds on DHIA test. That record included short production periods of some cows that did not come up to par. They were taken from the herd. He is hoping for an even better average this year.

His 7-month growing program for both heifer

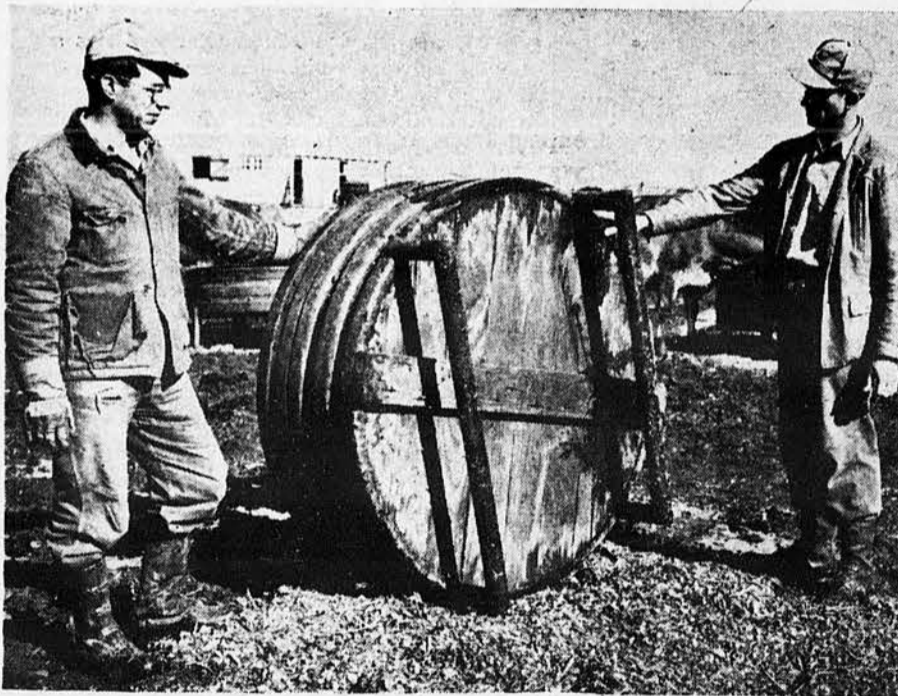
and bull calves removes much of the risk from that portion of the dairy enterprise. Sanitation is all-important in this calf program. But the precise steps in feeding calves their first 7 months make it work.

Nurse pails are one point in this program. They are better than having calves drink from the bucket, Mr. Byler points out. Calves drinking from nurse pails drink more slowly and have heads up in normal nursing position. This prevents milk entering the paunch, which it tends to do when calves drink from buckets. It practically eliminates scours. Nurse pails are sterilized each time after they are used.

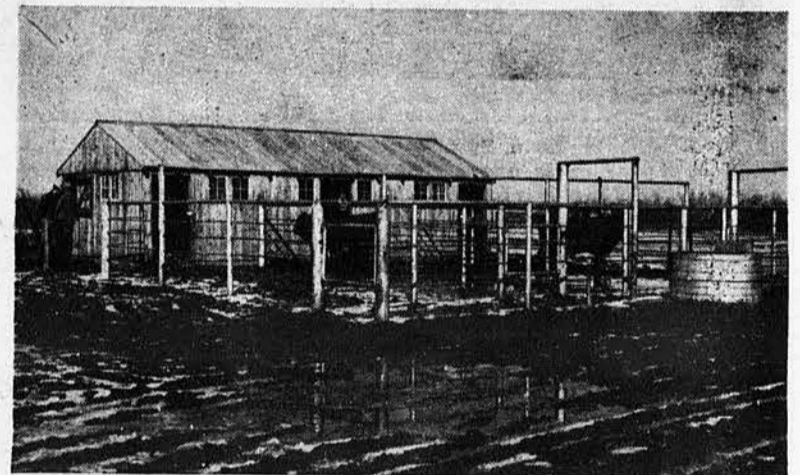
[Continued on Page 17]



Above: Metal box which protects tank's float-control mechanism is hinged to side of tank. Here Mr. Byler holds it open. Flue from heat chamber below is next to rim of tank. In addition to protecting the float, this metal hood disperses heat from below around the float area. During exceptionally severe weather, ice might form at edges of tank, but not around float. In this tank water can be kept at 50 degrees with little difficulty. That means more milk because dairy cows require more water in winter than in summer. Cows do not perspire, get water from green pastures.

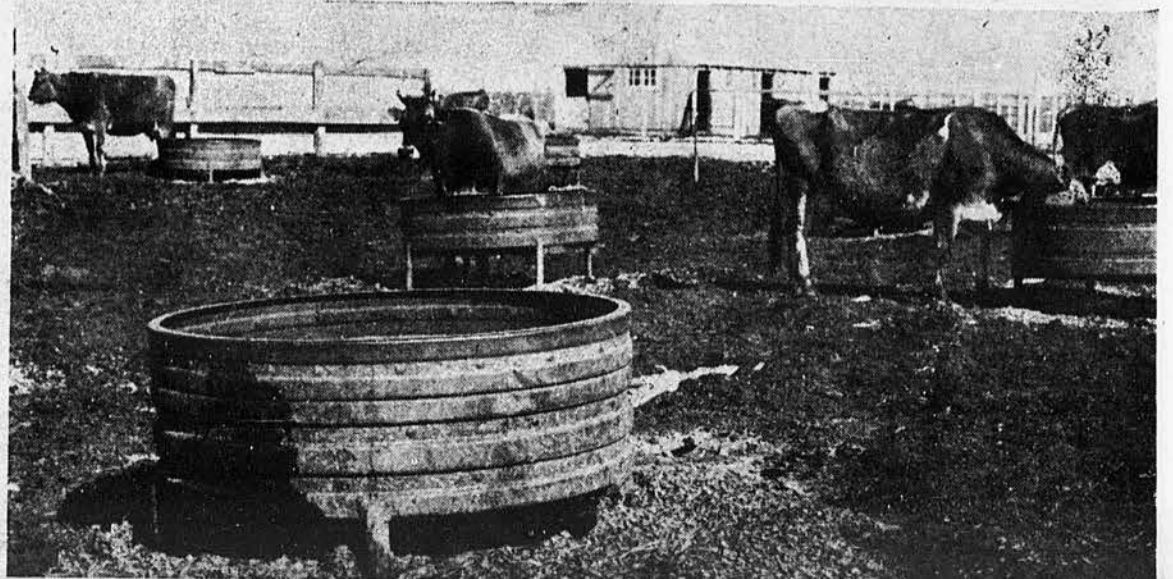


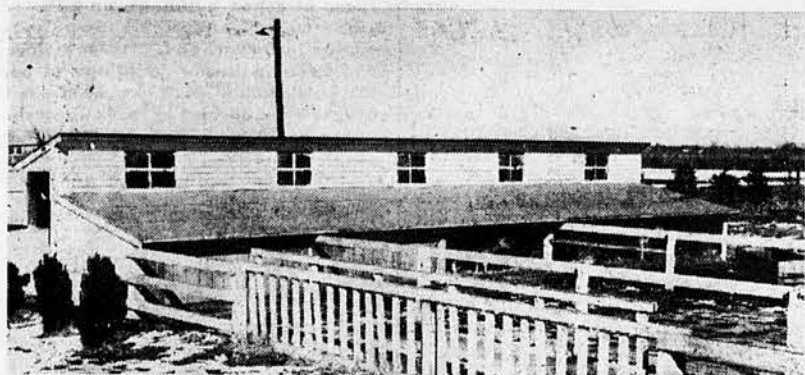
Above: Max Cook, herdsman, at left, and Mr. Byler hold one of the tractor-wheel bunks on edge to show construction of runners and wood bottoms. Fence boards treated with creosote were used to make the bottom panels. Mr. Byler expects them to last a long time without rotting out.



Above: Bull barn on the Byler dairy farm is a wooden structure with a metal roof. Pens in front were built from steel casings and sucker rods. Notice water tank at right for convenience of male animals. Pens like this make breeding systematic, keep dairy bulls in safe place. A good idea on any farm, especially when there are children in the home. Mr. Byler plans to build breeding chutes at each end of the building. In season animals can get green pasture.

At Right: Old tractor wheels make substantial feed bunks for feeding ensilage. Mr. Byler has about 20 of these placed in various lots on his farm. The pipe runners make it possible to drag them with a tractor without danger of damaging the bunks. Or they can be set on edge and rolled.

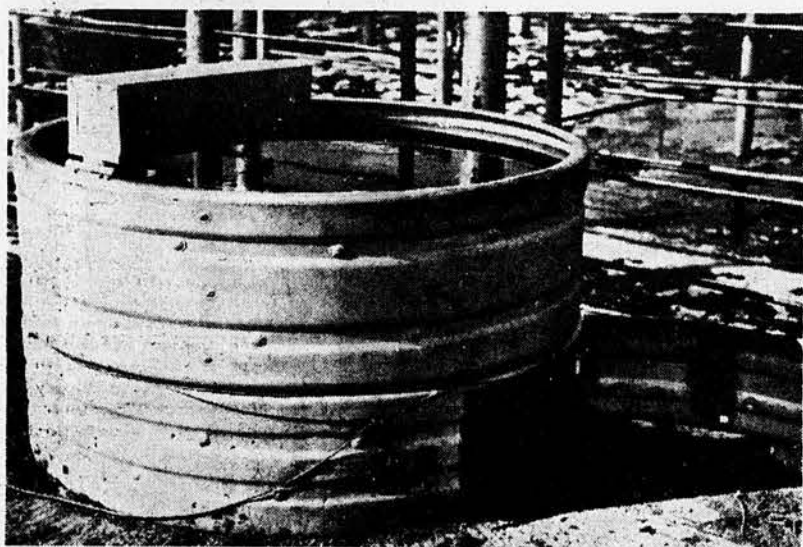




THIS calf shed, on Byler Pine Crest farm, Sumner county, provides shelter for intermediate stages of calf program. Another shed with full glass front in place of windows will be built to handle calves from 3 months to 7 months old. Individual pens hold baby calves 10 to 20 days to keep them from sucking each other. First 3 or 4 days they nurse cows, then are put on nurse pails. Extra colostrum milk is fed to youngest calves.

After primary stage, calves grow up in age groups with different feeds as they advance. They do better if kept in age groups. From 20 to 60 days old, whole oats, prairie hay, fresh water and salt are added to the milk diet. As they move into the next pen they go on a feed of mixed hay, alfalfa and prairie, pellets and grain. The length of this stage is 30 days.

Calves now are 90 days old. At this age they move from the shed shown here to a new location with 2 individual growing periods of 60 days each. Feed the first 60 days is mixed hay, grain and pellets. Last 60 days they get some silage added to that ration. After that bulls and heifers are divided and ready to go out with their respective growing elders.



OLD combine wheels were used to make these handy watering tanks, on the Joe Byler farm, Sumner county. Mr. Byler has 3 large tanks like this one, 2 are outside, one in the loafing shed. Lower combine wheel serves as the firebox. Water is heated by gas with small coffee-urn burners.

Heat travels across the bottom of tank then up the flue at opposite side. Cost of operation with natural gas is about 75 cents to \$1 a month for 4 tanks, says Mr. Byler. It eliminates time spent chopping ice in winter. Regulating heat takes only a minute. Where natural gas is not available, bottled gas could be hooked up with little difficulty.



FRONT wheels from a combine and a section of drop-center rim were used on the Joe Byler farm, Sumner county, to make this smaller tank for the calves. It operates on the same principle as larger tanks. Smaller burner is needed to keep this water warm. All tanks were set on concrete base so front feet of cattle will be on solid footing when drinking.

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We'll All Be Healthier

By DR. C. H. LERRIGO

AN IMPORTANT ceremony for Kansas people was the signing by Governor Carlson of the Rural Health Bill (House Bill No. 9), after its triumphant passage by House and Senate with only 5 dissenting votes in all. It was very properly attended, not only by the 3 who presented it in the 1949 legislature, but also by representatives of the Kansas Medical Society and the Kansas Tuberculosis and Health Association. Incidentally, the picture we offer also presents at its top those famous lines of Whittier about pioneer Kansans:

*"They crossed the prairies as of old the Pilgrims crossed the sea
To make the West, as they the East,
the Homestead of the Free."*

The group in the picture to whom the lines apply, reading from left to right are: Representative John L. MacNair, Hodgeman county; Charles Newell, business manager, University Hospital Center; Representative Paul R. Shanahan, Saline county; Doctor James H. Peck, St. Francis, president-elect of Kansas Medical Society; Doctor Franklin D. Murphy, dean of University School of Medicine; Representative Lawrence J. Blythe, Morris county; Doctor O. W. Davidson, Kansas City, president, Kansas Medical Society. Governor Carlson is seated at his desk, and Doctor C. H. Lerrigo, at his right, looks at the signing.

A significant feature of the Rural Health Bill (House Bill No. 9), was its introduction in the legislature by Representative Lawrence Blythe, chairman, House Committee on Agriculture, and his colleagues, MacNair and Shanahan, 3 outstanding Kansans with definite rural interests, representing Morris, Hodgeman and Saline counties.

Good for All of Kansas

Mr. Blythe said: "We call it the Rural Health Bill, but we know it is good for all of Kansas. In my own lifetime I have seen the lives of Kansas men and women increase an average of 15 years and the one best reason is that citizens know more about health, doctors know more about medicine, educators of all degrees spread health education, and the destructive diseases are on the run.

"There aren't enough doctors and nurses to go around, and here comes this Doctor Murphy and his helpers to show us how to get more, and get them from hand-picked Kansas boys and girls.

"In my boyhood, typhoid was a common disease, now we never hear of it. Diphtheria was terrible, now it has been immunized out of the state. Infant diarrhoea made mothers dread that 'second summer' but now the babies are safe. We believe Kansas doctors had a big hand in that and we give them the chance to do better yet.

"We want them to make a finish to tuberculosis, put heart disease under control, give people with sick minds a chance, find out ways to check cancer and cure infantile paralysis. This House Bill No. 9, urged on us by the doctors

and approved by Governor Carlson and the Legislative Council, is our answer. And the doctors will put it across.

"One way we shall know it is when we see that Morris county and Saline county and Hodgeman county and the rest of our 105 counties have doctors and nurses enough to keep us well. We've done what we can as our share. Now we want the doctors to take this seriously; not try to make extra jobs, but simplify matters so that treatment will strike the rural as well as the city level, avoid a lot of duplication of effort, and see that the doctors of Kansas give a square deal to the people of Kansas."

The man in Kansas best qualified to advise as to the wisdom of our health expenditures, Doctor Floyd C. Beelman, the young, energetic and experienced secretary of the Kansas State Board of Health, has this to say:

"The investment of \$3,800,000 by the State of Kansas to expand facilities at the University of Kansas Medical Center will return rich benefits to the people of Kansas. Not only will more physicians be trained, but they will receive better training because of improved facilities, equipment, and the increased number of patients with which to work.

"The building for diseases of the chest will give great impetus to the study and treatment of tuberculosis, bronchiectasis, asthma, heart diseases and many other related diseases. The building to be erected to house the division of psychology and neurology also will act as a screening center for numerous cases of mental diseases.

The Guiding Hand

Doctor Franklin D. Murphy, dean of Kansas University Medical School, the man to whom Kansas owes especial thanks for promoting and backing this awakening in the field of medical resources, will be the guiding hand in planning its execution. His plans for medical care have obtained national recognition. They include selection of young persons best fitted for the wide field of "health for everyone," providing for them proper backing, and bringing genuine health education into every home. To quote his own words:

"Thus the young doctor on entering a remote rural practice begins his professional life with the full understanding that the state medical school is keenly interested in his maintaining professional competence, and the further understanding that instead of being medically isolated, he actually is in continual contact with the newest advances in medical diagnosis and treatment. The people of Kansas, on the other hand, thru this mechanism are assured of the best medical care, both present and future, no matter whether they live in the city or in the country."

KANSAS FARMER will be happy to supply any inquirer or group a full account of Doctor Murphy's program in which (to quote once more), "lies the opportunity for the state of Kansas to set an example for the other essentially rural states of the Union."



Governor Carlson signs a rural health bill witnessed by physicians of the Kansas Medical Society and House members.



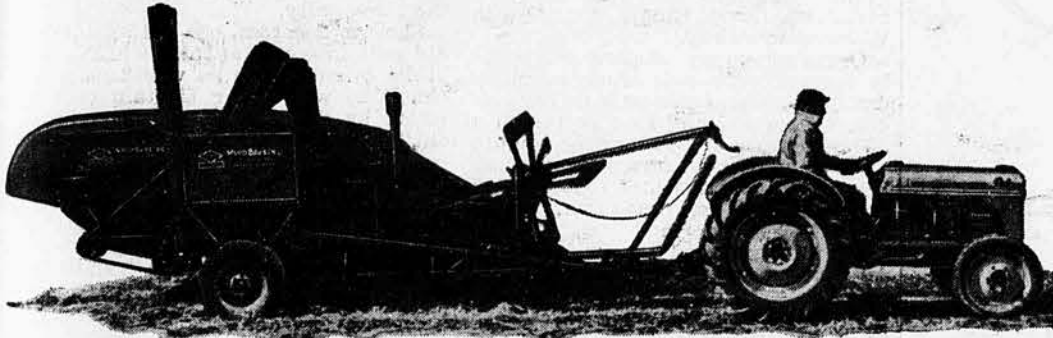
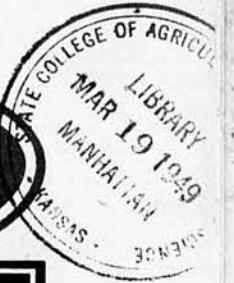
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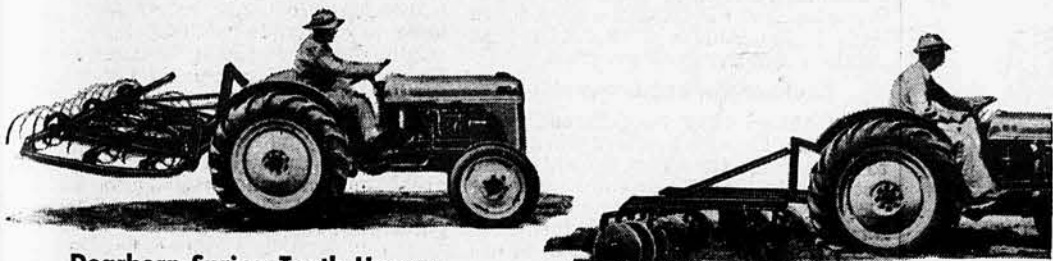


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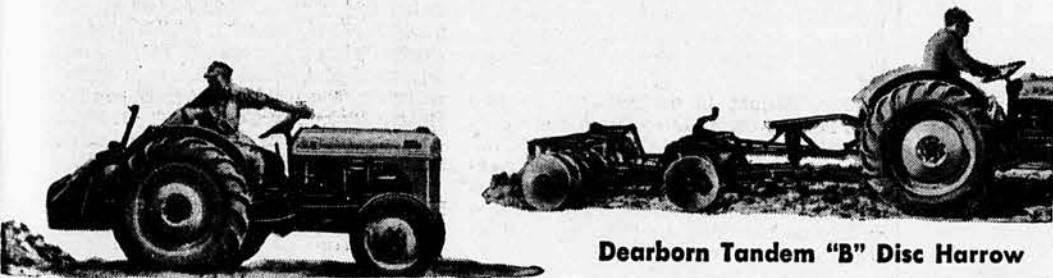
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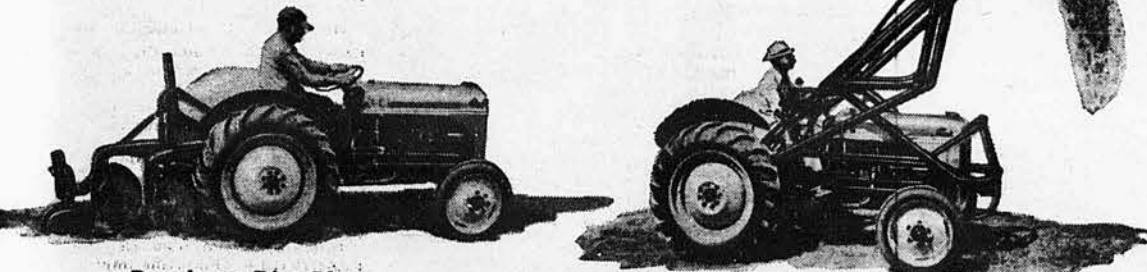
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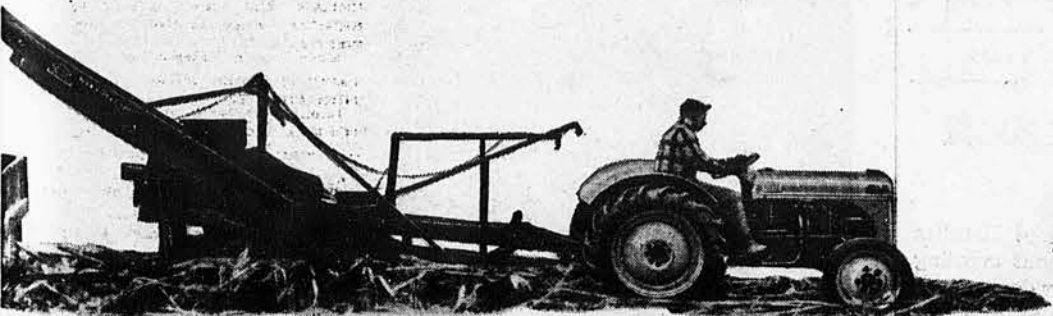


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He Is a Farm Manager For the First Time

Editor's Note: This is No. 5 of a series of articles on the progress being made by World War II veterans learning to farm under the Veterans Institutional On-the-Farm Training Program.

YOU don't have to own a farm to qualify for the Veterans Institutional On-the-Farm Training Program. We found that out when we called on Orvin Elliott recently, in Wabaunsee county.

Orvin served as company carpenter in the quartermaster truck company during the war, and now is taking veterans farm training as a renter on a 320-acre farm in Wabaunsee county. "I have worked on farms most of my life, but this is the first experience I have had as a farm manager," Orvin says.

Mr. Elliott rented 2 other farms before ending up on his present place in November, 1947. He is renting on a crop-share basis. Altho his veterans training course is the same as he would get if he owned his farm, Orvin is not able to take full advantage of it. "I have to farm this place differently than I would if I owned it," says Mr. Elliott. What he means is that on a crop-share basis, he is unable to work out the best rotation and livestock program.

Looking Toward Ownership

But things may be different soon. Mr. Elliott says his landlord has agreed to sell him the farm next year if he can get an FHA loan. He already has made plans to apply for a loan and is looking forward to ownership of the farm.

"If I can buy this place I plan to use alfalfa 2 years in rotation instead of applying fertilizer," he states. "I also would do less row-cropping. What I would like to do is to change over from grain farming to a grass and legume program with a deferred-fed beef project."

Mrs. Elliott is an Australian and was reared on a sheep farm near Sidney. She met and married Mr. Elliott at Sidney, where he was stationed during the war. Mrs. Elliott and her daughter, Kay, came to America 3 years ago and have not met another Australian since arriving here.

Mrs. Elliott likes Kansas and the type of farming done here. "I had no difficulty in adjusting myself to Kansas farm life except for the climate," she says, "which is colder here."

Her daughter, Kay, takes to Kansas farming like a veteran. Kay was 7 years old when she arrived in Kansas and had never ridden a horse. Now she is considered one of the best riders in the community.

She has 2 horses, one a 15-months-old colt named Captain, which she broke to ride when he was 8 months old. "She was riding Captain everywhere by the time he was 9 months old," says Mrs. Elliott.

Kay is so fond of her horses that the day we were there she stayed home from school due to an injury to one of her pets. The horse had been kicked in the head that morning, and Kay just couldn't bear to leave her until she was sure the horse was going to be all right. Kay also helps with the farm work and loves it.

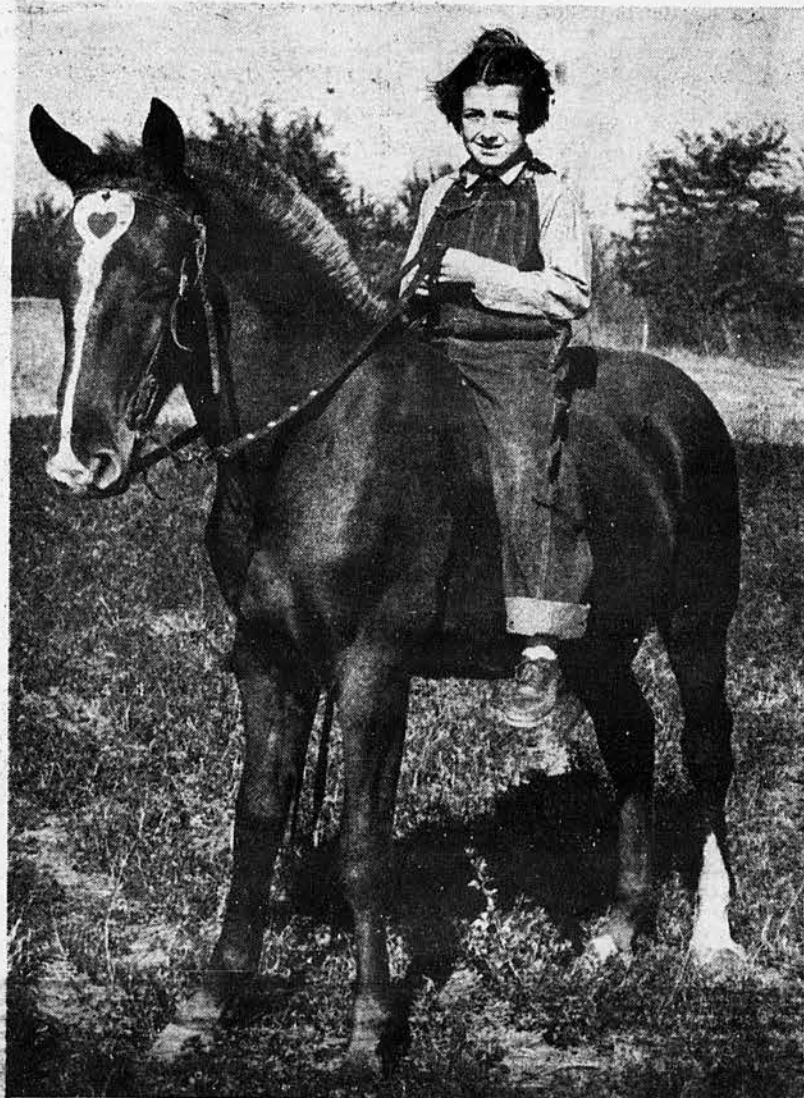
Altho Kay gets good grades in school now, the adjustment was pretty tough at first. She was just starting to school in Australia when she and her mother had to leave for America. "I never did have any trouble with spelling and reading here," she said, "but arithmetic was tough for me. All the books here are different."

Mrs. Elliott pointed out that the teachers here had set Kay back a year in school so the strain wouldn't be too great for her. "It has been a good thing for her, too," she added, "as Kay is getting all A's and B's now."

Congratulations, Jim!

Twenty-five years of service to the dairy industry of Kansas were recognized recently when J. W. Linn, Kansas State College Extension dairy specialist, was presented with a gold wrist watch by the Kansas Inter-Breed Dairy Cattle Breeders' Council. C. O. Heiderbrecht, Inman, president of the council, made the presentation.

Mr. Linn, who has been ill since the Kansas State Fair, last fall, is improved enough to assume some of his office duties now.



Kay Elliott, 9, of Wabaunsee county, was born in Australia and came to her present Kansas farm home with her mother 3 years ago. She is shown here on her pony, Captain, which she broke to ride when he was only 8 months old.

Lamb Feeders Day

Garden City Experiment Station, Saturday, March 26

SOME 550 lambs have been fed various rations and results of these tests will be reported Saturday, March 26, at the 15th annual Lamb Feeders Day, Garden City. Among tests of interest to many feeders are those involving bicarbonate of soda for control of death losses; as well as the comparative value of various grain and rough feeds for fattening lambs.

In the forenoon the meeting will be at the Experiment Station 5 miles northeast of Garden City on U.S. Highway North 50, where the lambs in the 10 experimental lots, as well as the

feeds, equipment and methods of feeding, will be available for inspection.

In the afternoon the meeting will be in the Garfield school auditorium in Garden City.

In addition to a report of the experimental results there will be a guest speaker prominent in the affairs of interest to all sheep men.

A question and open discussion period, in which all may participate, will be a prominent part of the program.

A good attendance of Kansas and Colorado feeders is expected.

You are cordially invited.

A \$10 Penalty On Stored Grain!

(Clip this for future reference)

ARE YOU willing to pay a penalty of \$10 a month on insect damage in your farm-stored grains? That's what many Reno county farmers have been paying the last 5 years, according to U. S. Bureau of Agriculture entomologists stationed at Hutchinson.

These entomologists have been checking stored grain on Reno county farms, and say that damage from insects has averaged 2½ per cent during the first 5 months of storage after harvest. They figure this has been costing those farmers at least \$10 a month.

If you don't want to take that loss this year on your stored grain, what should you? Entomologists offer this simple outline:

1. Prepare bin by cleaning thoroughly, including cracks in walls and bins. Cracks are the worst source of infestation. When cleaning, repair any leaks where water can seep into the bin.

2. Spray walls with 2½ per cent DDT wettable powder. Use ¾ pound of 50 per cent wettable powder in 2 gallons of water. This 2 gallons of mixture will cover 1,000 square feet of wall area, including studdings.

3. When to spray bin—Between April 15 and harvest. Be sure temperature is above 70 degrees F. The longer the interval between spraying and harvest, the better. Spraying bin early gives a longer period for insects to emerge from cracks and be killed. Stir spray

mixture occasionally while using it.

4. After bins are filled with new grain, watch them closely. If insects appear about August 15, the bin should be fumigated with any one of several commercial fumigants. See your county agent for correct fumigant and then follow manufacturer's directions. If 2 weevils can be found in a one-quart sample of grain, you should fumigate, entomologists say. If you fumigate anytime between August 15 and September 15 the grain generally will need no further attention.

5. Dosage—Amount to use depends on tightness of bin. Amount required will vary from 3 to 8 gallons per 1,000 bushels of grain.

6. Method of application—Ordinary hand garden sprayer is sufficient. It will do a better job, however, if you take off the disc and use a piece of ¼-inch gas pipe flattened on one end for a nozzle. The fumigant should be applied evenly over surface of the grain as a coarse spray.

7. CAUTION—Don't get into the bin while fumigating. Apply from door of bin. Best to have a second person present. All fumigants are toxic to humans and you should avoid breathing the fumes or spilling fumigant on hands or clothes. Wear a mask if you have one, but be sure it is equipped with the proper chemicals to counteract the fumigant being used.

Flying Farmers

DODGE CITY, Monday and Tuesday, May 23 and 24. Those are the dates for the fourth annual convention of the Kansas Flying Farmers Club. Preliminary arrangements for the convention were discussed at a meeting of the directors in Dodge City, March 7.

Earnest Bressler, Bird City, vice-president of the club, is chairman of the convention committee. Working with him will be the directors from 4 western districts, George Galloway, Wakeeney; L. C. Bell, McDonald; Eugene Coats, Plains, and G. A. Bertram, Greensburg. Also assisting this group will be the co-chairmen of the activities committee, Lyle Peck, Liberal, and Don Von Schrittz, Healy.

Plans call for another efficiency race this year to be started in the morning of the first day. In charge of the race will be Raymond Stewart, director from the southeast district. Mr. Stewart later will announce the number of aircraft classes for the race and the course will be made known to each flyer when ready for take-off.

Due to the large number of activities in which Flying Farmers will take a part this year, members of the board are not planning a spring tour. In its place the Flying Farmers will co-operate with the Aeronautical division of the Kansas Industrial Development Commission and the Flight Operators Association in staging a series of 6 Fly-In events at the rate of one a month beginning in April. These Fly-Ins will be scattered about the state to give each pilot in the state an opportunity to join the aviation-boasting program.

Tentative plans for these events were made during the board of directors meeting. Announcements of final arrangements will be made by Riley Whearty, KIDC Aeronautical division director.

Members of the Flying Farmer ex-

ecutive committee were guests of the Dodge City Rotary club at a luncheon during the noon hour March 7. President Ailiff Neel, Windom, presented a verbal description of the January vacation trip to Mexico. Then William Janssen, McPherson, presented 2 reels of colored movies which were taken along the route from Kansas to Monterrey, down to Mexico City and return.

The many pictures taken on the trip serve to refresh the memories of those who made the excursion. And they prove interesting to others who did not accompany the group. There quite probably will be several occasions for Flying Farmers to view these films at the time of the state convention. Some of the pictures will be shown during the efficiency race while waiting for flyers to return. There may be other times during the 2-day meet when these colored movies can be thrown on the screen.

Actually, enough colored movies were taken on the trip to keep one projector busy thru much of the convention.

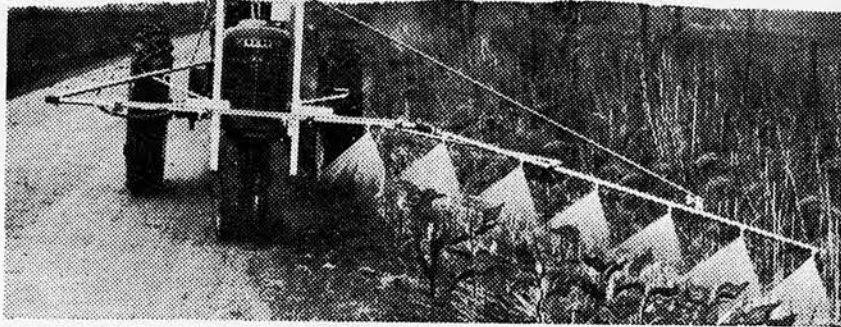
The Kansas Flying Farmers Club soon will have a new name. It will be Kansas Flying Farmers, Inc. How does that sound? Several times in the last few years it had been recommended that the club become a non-profit corporation. Application for charter now is being made in accordance with a decision reached by the board of directors.

To Remove Rust

In case the moldboard of the plow or plow shovels were not oiled and a coat of rust has formed on the surface, saturate with kerosene 30 to 60 minutes before plowing. The kerosene seems to soften the rust and the plow begins to shed in a short time.—C. S. K.

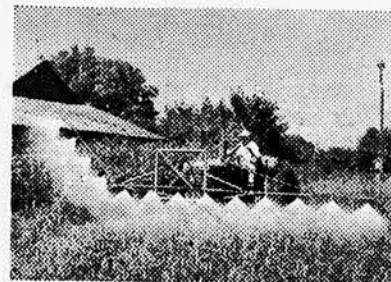
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killing power promptly eliminates weeds that rob your crops of sun and soil food. Available in a wide range of 2,4-D and the new 2,4,5-T formulations for hard-to-kill growth. Ideal for low volume use in hard or soft water for general weed and brush control.



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Photos courtesy of Automatic Equipment Mfg. Co. and Keystone Trailer Co.

* Reg. U.S. Pat. Off. 94

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This section inside loafing-barn.

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The A-B-C of Furniture Refinishing

By Florence McKinney

THE lure of the antique has created interest in furniture refinishing in a great many rural homes. Tables have been moved to the living room from the back porch and grandmother's chairs from the attic to the dining room.

Sentimental value and money value are not synonymous. Just because great-grandfather carried a walnut chest across Ohio and Illinois in a covered wagon doesn't add a dime to its value. Don't sell it. Fix it up, refinish it and use it . . . that is, if you cherish it.

The sale value of certain styles, however, is high; all the more reason for great-granddaughter to keep them. Actually, according to law, an antique is not an antique until it is 100 years old. An expensive table made in 1800 or even 1850 is likely to be a valuable table in 1949. But the lines must be simple, the wood first quality and the workmanship skilled. Solid walnut alone is not a measure of merit. Most of the atrocious mid- and late-Victorian furniture is solid walnut.

To refinish or discard is sometimes the question. Not all old furniture is good, for age does not necessarily add merit. America has gone thru stages of furniture manufacture and styling known as Colonial, Early American, Empire, Early Victorian, mid-Victorian and late-Victorian. Then came the Mission Oak style which had a short life. Now we have modernistic styling. Time only will tell whether this new trend will last and be loved.

Before the days of the mid- and late-Victorian era, that is before 1870, furniture was more often made of pine, plain and curly maple, mahogany, cherry and other fruit woods. Some of the most cherished pieces were made of several woods. These pieces are more likely to be older, have better and more conservative styling, less decoration and there you may have more money value.

The creation of a soft, satiny finish on cherry, maple, pine and walnut is satisfying to both the amateur and the professional woodworker. The table and chair take on value, too, as their appearance changes. Some of the finest pieces have been covered with layers of paint and enamel and eventually discarded. Scarcely a farm homemaker lives today, who has not learned something about the value, both monetary and sentimental, of her furniture.

After that first important decision is made, whether to preserve or not to preserve, the finish on the piece right now should be considered.



Above: An example of a sewing table about 75 years old, top and drop leaves of cherry, front of drawers curly maple and the remainder plain hard maple. All finished in natural color, no stain used.

In almost every case, the old finish should be removed. This is fairly safe to say. Some good soul has likely covered varnish with enamel, even more than one coat. All this should come off.

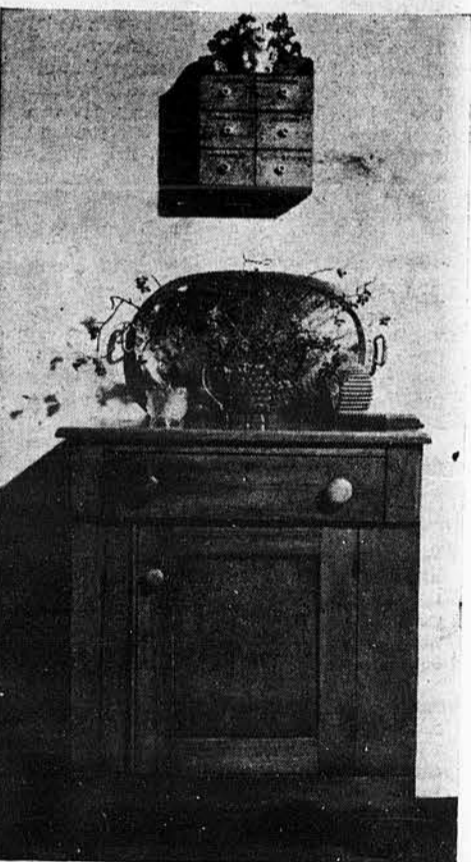
There is no substitute for "elbow grease" in the business of furniture refinishing. But don't let this discourage you. Results will repay you fully. Work for what the collectors call a patina, or a look of soft satin. A shiny, glaring, brittle appearance is not to be desired in good furniture, no matter what the type or age. "Elbow grease" makes the difference.

Buy a good grade of paint-and-varnish remover. Homemade ones are none too satisfactory, for they are likely to bleach the wood beyond redemption. Too, it's a messy job, eats holes in your clothes and puts your eyes out. One medium-size paintbrush will do the job. Get a supply of sandpaper, mixed numbers from coarse to fine and a package of steel wool. Your putty knife will make a fine scraper to remove the old finish. A pointed knife you may have about the kitchen may be needed to get into grooves and carvings. Some clean rags, some clear furniture varnish, turpentine, a little pumice stone, and a small amount of rotten stone and oil completes the list of supplies. It is possible that a small, stiff brush will be useful.

With the paintbrush, spread some paint remover over a section of the furniture. Allow it to stay there for a few minutes to soften the layers of old finish, but not too long or it will begin to adhere.



Above: An old washstand modernized, displaying nowadays a knife-and-fork tray, a wooden butter bowl now used for salads. Above is a good type of spice cabinet.



Above: This old commode of birch and maple finished in natural color is now used in the dining room. Above it is a spice cabinet, drawers for cloves, allspice and the rest. Common in the late 19th century.

At Left: A drop-leaf dining table probably manufactured in the middle of the 19th century, made with top and 2 center legs of hard maple, 4 corner legs of cherry and end pieces of black walnut. Chairs are Pennsylvania Dutch-type kitchen chairs. All pieces finished in natural colors.

Experience will help in this respect. Then with the putty knife, scrape the surface. Repeat this step if most of the old finish does not come off easily. Use the rags to help remove the finish on legs and the pointed knife in grooves.

When you are satisfied that all the old finish is off, rub with a rag, wet with turpentine. Now you are able to see what the wood looks like, whether there are stains or holes. Now comes that application of "elbow grease." Wrap a piece of sandpaper around a block of wood and sand all the flat surfaces. Be cautious when you sand near the edges. Keep them straight and square. The piece of sandpaper you use will depend on the condition of the wood. If rough and worn, use a coarse grade for the first sanding, progressing to a fine grade. Sand without the block of wood on round and curved surfaces.

If there are holes, fill with plastic wood and then stain the spot to match. A drop or two of stain will go a remarkably long way, so be cautious as to amount. If possible always sand with the grain of the wood.

Here, it is best to rub the entire surface of the wood with steel wool. This will remove tiny particles of wood that fuzz up the coat of finish yet to be applied. Then remove all dust with a damp cloth.

Next, comes the first coat of varnish. Despite the directions on the can, thin with turpentine, half and half. Spread this on with the brush with the grain of the wood. The temperature of the room should be about 70 degrees and the room must be free of dust. Otherwise varnish will cause trouble.

After the first coat has dried well (usually 24 hours will do it), rub over the surface with steel wool or a very fine

[Continued on Page 23]

Homemaking

Furniture Refinishing

(Continued from Page 22)

grade of sandpaper. Dust the surface again with a damp cloth and apply a second coat of thinned varnish. Repeat this process for the third coat, if desired. When the last coat of varnish has dried, wet a cloth in water and with it rub pumice stone over the surface. This will remove rough spots and imperfections. Follow this with a rub of rotten stone and oil.

Now you have that patina, that much-to-be-desired look of soft satin and a finish that will withstand hard wear, the everyday scuffing and is resistant to water spotting. Wax such a finish from time to time on cleaning days and it will last a lifetime.

Now, there are other ways to finish fine furniture, but we believe that we have given the best for ordinary use, the longest lasting and most resistant. However, there are lovers of the oil finish, which requires hours of rubbing, that old "elbow grease" again. And too, it darkens wood and repeat jobs are necessary.

Shellac will finish wood to a fine luster, but it is not resistant to water and heat. Shellac on a chair seat will stick to clothes on a warm day and it will wear off quickly on a table top that is washed now and then. One merit it has, tho, is that it is easy to apply and might be a wise choice for the new beginner.

Then, of course, there is paint and enamel, either of which is right for certain types of our oldest furniture. The Windsor chairs, the Pennsylvania Dutch kitchen chairs and Boston rockers were painted originally and may be repainted if you wish. All these, however, may be refinished in their natural wood color and the choice is yours to make.

The Old Walnut Desk

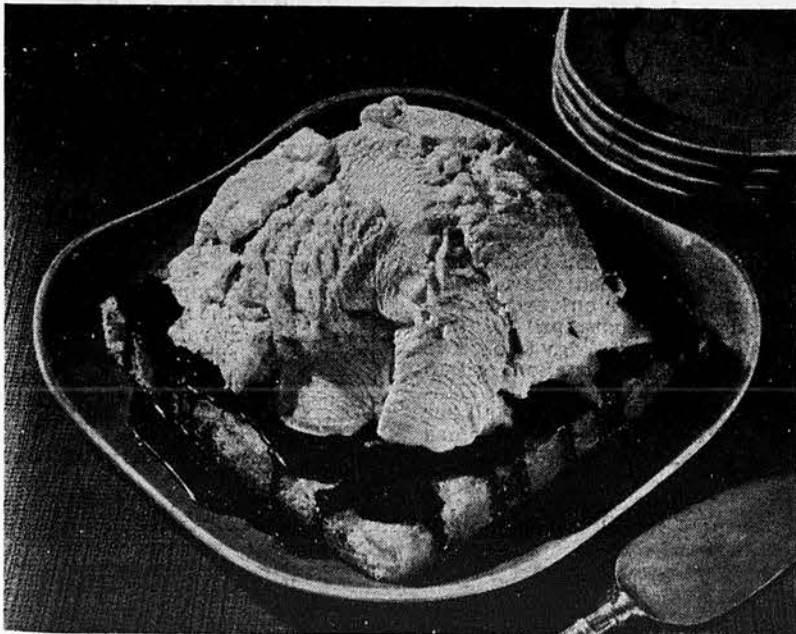
'Twas at this very desk grandmother sat
And wrote to him with fine Spencerian skill,
She wore a dainty flowered challis dress
And for a pen she used a feather quill.

This smoothly polished desk has held
A candle's gleam and firelight's glow.
And toil-worn hands have loved the satin wood,
And tended it with care long years ago.

Salvaged from the attic, now my room
Holds this fine old desk grandmother prized,
Structure-sound, refinished by my hands,
It catches evening sun, its beauty emphasized.

—By M. H. G.

The Recipe Corner



Cake squares, chocolate sauce and ice cream combined to make Ice Cream Fudge Squares.

Ice Cream Fudge Squares

- 2 cups sifted cake flour
- 1 1/2 cups sugar
- 1 cup milk, scalded
- 1/2 teaspoon salt
- 2 teaspoons baking powder
- 4 eggs

Sift flour, measure, add baking powder and salt and sift again. Beat eggs until light and lemon colored. Add sugar gradually and beat until light. Fold in flour mixture. Add scalded milk, flavoring and melted butter. Fold until well blended. Pour into oiled baking pans, after lining bottom with oil paper. Bake in moderate oven (350° F.) for about 30 minutes. Cool in pans. Top first with hot fudge sauce, then ice cream. See recipe below.

Hot Fudge Sauce

- 2 squares chocolate
- 2 tablespoons butter
- 1/2 cup milk, scalded
- 1 cup sugar
- 2 tablespoons light corn sirup
- 1/2 teaspoon salt
- 1/2 teaspoon vanilla

Melt chocolate over hot water, add butter and blend. Stir in scalded milk slowly, stir and cook until mixture thickens, stirring constantly. Add sugar, corn sirup and salt and boil together 6 or 8 minutes or until mixture forms a soft ball in cold water. Add vanilla and serve hot or cold over cake squares. Top fudge sauce with ice cream.

Pork Chop Casserole

- 6 pork chops
- 1 teaspoon salt
- pepper
- 2 tablespoons butter
- 2 tablespoons flour
- 2 1/2 cups milk
- 6 potatoes
- 1 teaspoon onion, chopped

Season the pork chops and brown in a frying pan. Melt butter, add flour and blend thoroughly. Add milk and cook until it thickens, stirring constantly. Put pork chops in casserole, place potatoes and onions on top and season with salt and pepper. Pour cream sauce over the potatoes. Cover and bake in a moderate oven (350° F.) for about 1 1/2 hours. Uncover the last few minutes to brown. Serves 6.

Gingerbread

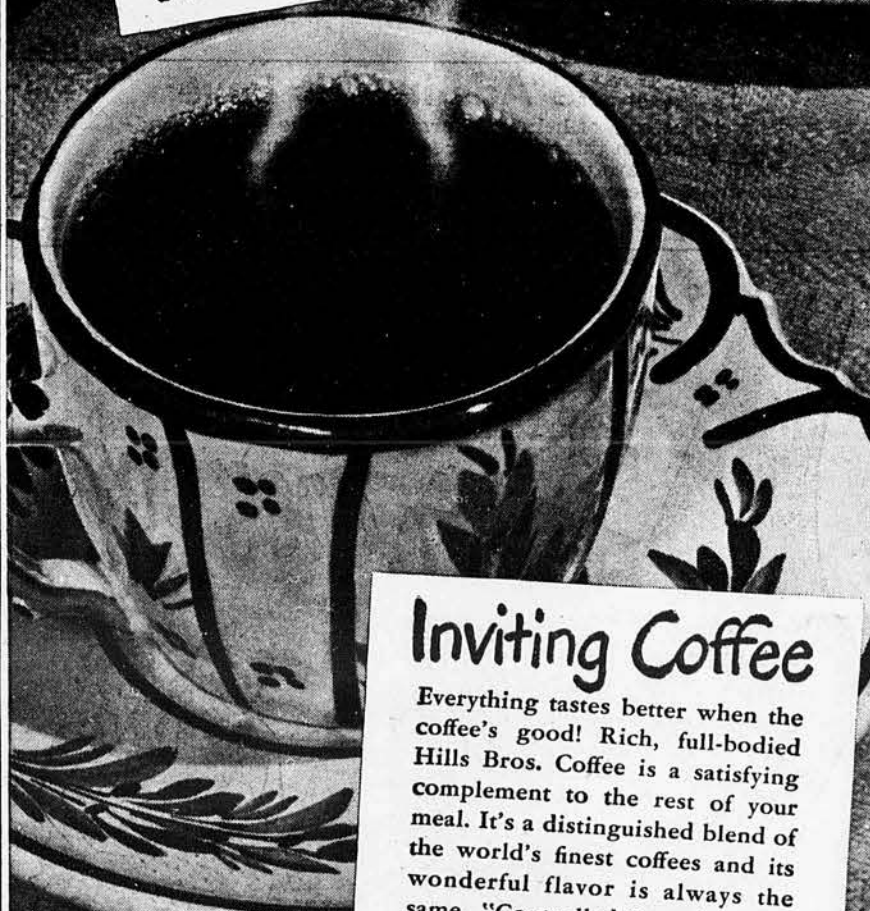
- 1/2 cup sugar
- 1/4 cup shortening
- 1 egg, beaten
- 1/2 cup molasses
- 2 1/4 cups sifted flour
- 1 teaspoon soda
- 1/4 cup sour milk
- 2 teaspoons ginger
- 1 teaspoon cinnamon
- 1/2 teaspoon salt
- 1 teaspoon baking powder

Cream shortening, add sugar gradually and cream well together. Add beaten egg and molasses and mix thoroughly. Sift all dry ingredients together. Add alternately with milk to the creamed mixture. Mix very thoroughly. Pour into an oiled baking pan and bake in a preheated oven in moderate oven (350° F.) for 35 to 45 minutes.

Good together
-for luncheon

Chicken Casserole

RECIPE: Place thin slices of cooked chicken in greased casseroles. Add cooked or canned asparagus tips. Cover with cheese sauce, place 4" from broiler heat until sauce browns and bubbles. For sauce: Melt 4 tbs. butter or margarine, stir in 4 tbs. flour, 1 tsp. salt, 1/8 tsp. pepper and 1 tsp. dry mustard. Add 2 cups hot milk, stirring over low heat until sauce thickens and boils. Add 2 cups grated cheese, stir until melted. Add 1 tsp. Worcestershire sauce.



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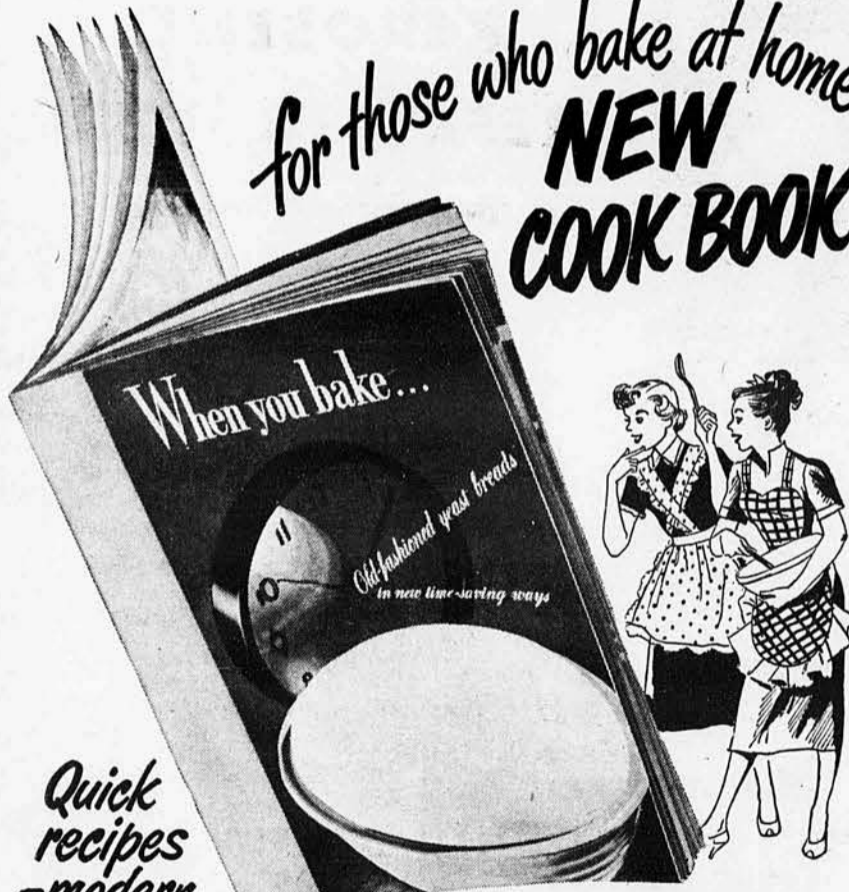


Read the Ads in This Issue

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.

You Can Buy Advertised Products With Confidence!

for those who bake at home
NEW COOK BOOK



Quick recipes - modern methods!

HURRY—SEND TODAY! Modern recipes, newest techniques. Step by step illustrated directions for making breads, rolls, dessert breads quickly - with Fleischmann's Fast Rising Dry Yeast!



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Enclosed find 25¢ for your new 32-page cook-book "When You Bake."

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Homemaking

Let's All Plant a Tree

ARBOR DAY, March 25, is tree-planting day for Kansans. The day has considerable history behind it, years of precedence and grown folks can still recall tree-planting celebrations they participated in when little children. A part of the afternoon was declared a school holiday and they went trooping out into the park or schoolyard and with song, some readings and speech making, a tree was planted.

Since that day celebrations take place hit or miss at the discretion of mayors and school superintendents. It seems a too-often-neglected day, especially in those spots in Kansas where trees are few and far between and none too large at best. The more trees the better. We don't know who said this, but it's right, "The value of a shade tree can scarcely be overestimated for it delights the eye, cools and purifies the surrounding air, comforts and re-

Arbor Day and Kansas celebrated April 23 of that year.

On that same day, Topeka had a celebration. The mayor asked all the residents of the Capital city to gather on the Statehouse grounds in the afternoon of that date to plant trees. And they did. Perhaps our historical cottonwood tree southeast of the Capitol is one planted on that memorable day. At any rate the local historians agree that it has been there since very early days.

Wichita, Miami, Pottawatomie and Wyandotte counties were named after Indian tribes.

Some stories circulated around since indicate that it was a stake driven in the ground to hold guyropes during the construction of the Capitol. Others say it came up a seedling thru the debris of building. At any rate it is old and beautiful and was saved from the ax of the landscape artist who wanted to chop it down.

There is an old oak in Council Grove said to be the tree under which the United States Government came to terms with the Indians. There are many old trees in Kansas, dear to the hearts of people old and young.

In 1941, the governor of Kansas was given authority by law to proclaim Arbor Day as the last Friday in March. So it is. Let's plant more trees.

Arbor Day often is referred to as Nebraska's gift to the Union and J. Sterling Morton as the Father of Arbor Day. In observing it, we are presenting a memorial to the future instead of the past.

Redbud Time in Kansas

It's redbud time, it's redbud time,
It's redbud time in Kansas!
And all the flowers are springing,
And all the brooks are singing,
And all the buds are winging,
It's redbud time in Kansas.

It's redbud time in Kansas!
While springtime odors heavenward fly,
And fleecy clouds are floating high,
And balmy breezes softly sigh,
It's redbud time in Kansas.

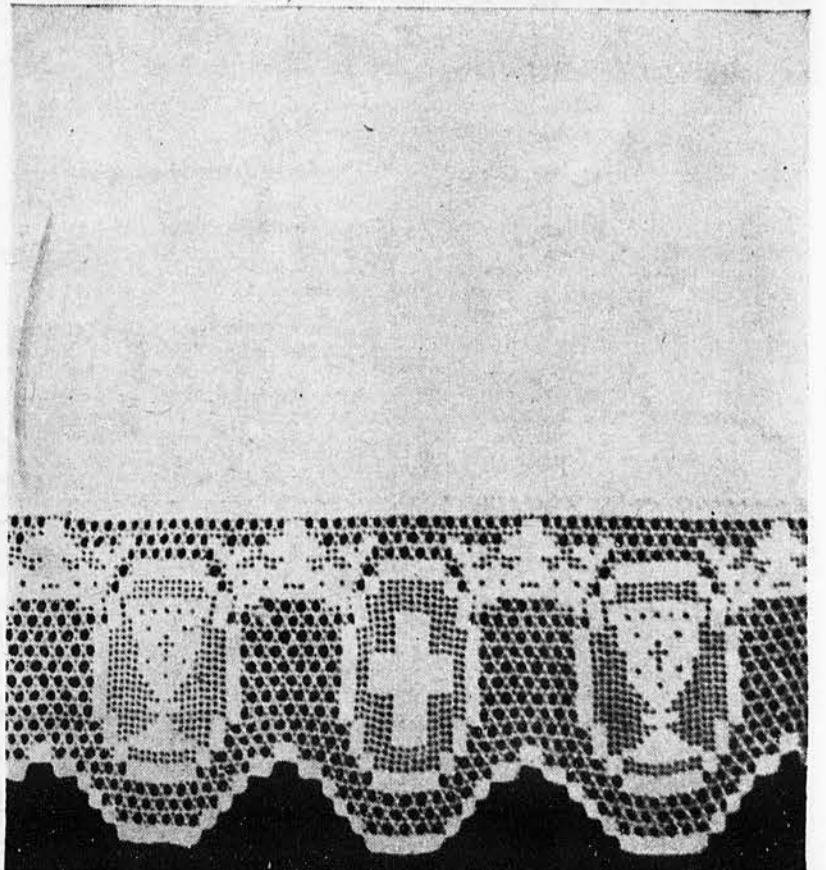
It's redbud time in Kansas!
Magenta splashes deck the fields,
A master's brush the painter yields,
Foretaste of hues the summer yields,
It's redbud time in Kansas.

—By Bailey.

Poultry Information

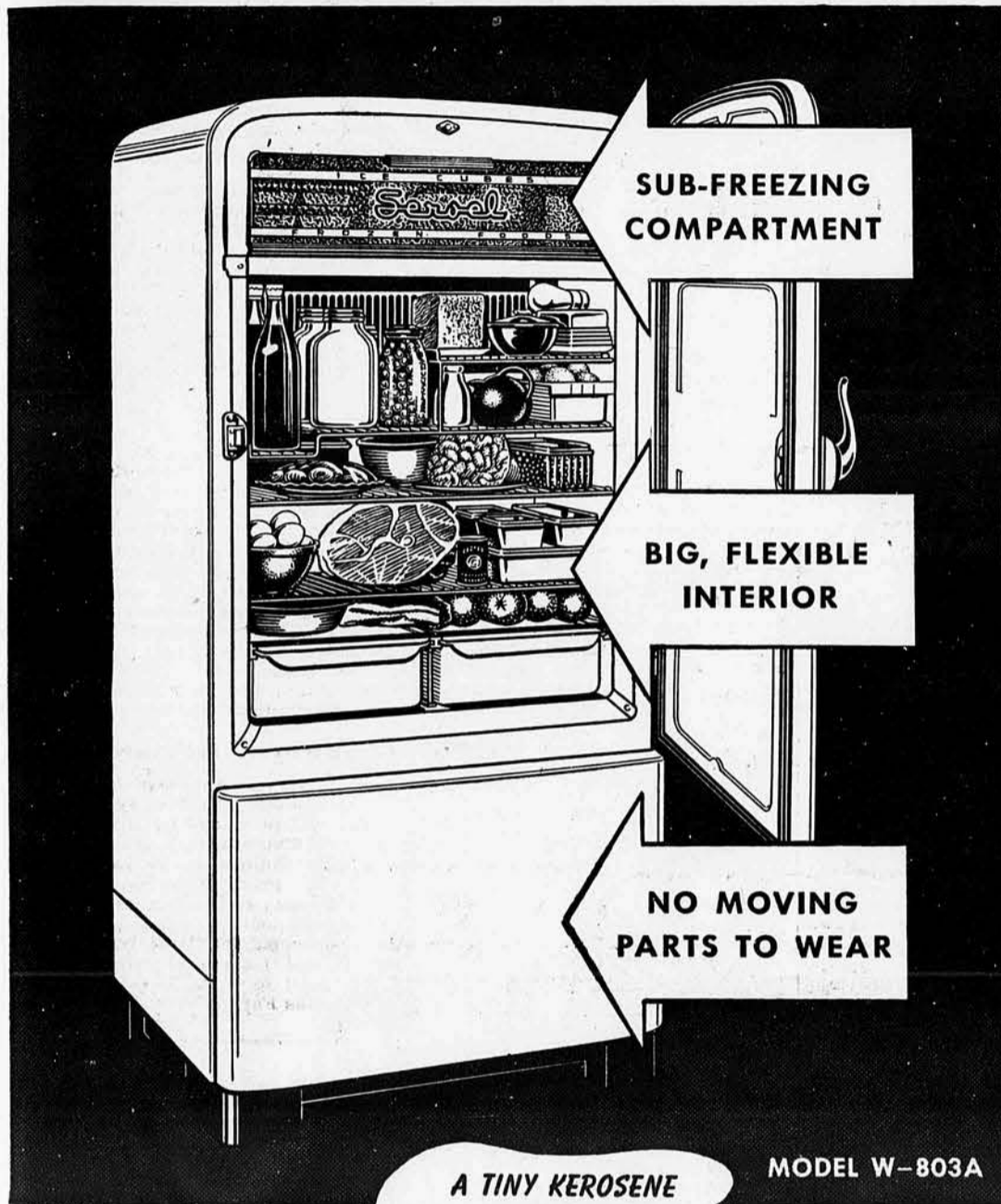
A very useful booklet for poultry raisers is "Poultry Management," published by the Agricultural Experiment Station, Kansas State College. In its 78 pages it covers many important subjects necessary to the successful operation of poultry raising. As long as the supply lasts, we will have a copy of the booklet sent free upon request to Farm Service Editor, Kansas Farmer, Topeka.

Altar Cloth for Church



The Cross, the Cup and the Crown makes a beautiful and suitable crocheted edge for the altar cloth or communion table. Sew to either white linen or cotton. If you wish complete crochet directions send 3 cents to the Farm Service Editor, Kansas Farmer, Topeka.

New Freedom



WITH A
NEW
SERVEL
KEROSENE
REFRIGERATOR
(NO ELECTRICITY NEEDED)

A TINY KEROSENE
FLAME DOES
ALL THE WORK

MODEL W-803A

You'll wish you'd never been without one! What a joy and convenience. This refrigerator is meant for a big family. Lots of space even for bulky things like watermelons. Makes plenty of ice cubes in warm weather . . . even freezes ice cream for you!

And remember . . . this silent Servel has no moving parts to get out of order. Just a tiny, economical kerosene flame does all the work. Come in and get full details or write to Phillips Petroleum Company, Bartlesville, Oklahoma, for descriptive literature.

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COSTS ONLY A FEW
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Homemaking

News to You?

BEFORE discarding that purse or handbag which looks shabby, try rejuvenating it with a little home work. To hide water spots or other stains on a smooth leather purse, rub with colored shoe cream or wax polish, either colored or clear. Shiny spots on a suede bag often may be removed just by lightly rubbing with the finest sandpaper. Scratched places or worn corners on colored leather may be touched up with matching shoe dye. India ink may be used to touch up black leather. Don't use dry cleaning fluid on leather, because it removes the natural oils and may make it crack. But on fabric purses, cleaning fluid may be used successfully not only to take out spots but also to remove the dinginess that is the result of dirt and long use.

For the lunch box, grind ham and carrots and combine with sour cream dressing on whole-wheat bread. Chopped beef or other meat and cabbage with salad dressing is a good combination. For another to make variety chop carrots, raisins or prunes and nuts with salad dressing on buttered bread.

ation, adding the rest of the oil gradually. Adding oil too rapidly will sometimes cause mayonnaise to separate. Or it may be caused by insufficient beating. Iridescent gingham and pique are this year added to the list of beautiful new cotton materials. Printed organdy is new and lovely for the high-school graduate's party dress. Dotted Swiss trimmed with ruffles will make a beautiful dress for the little tot.

Cottons, new and smart make the finest of slip covers and draperies. They are laundry- and sunproof in any number of patterns, flowers, stripes and plain. They are a good investment.

A potato skin protects food values underneath if cooked without paring. Not so the carrot. The skin of a carrot gives little or no protection to nutritive value in cooking. Pared or unpared they are equal in food value. If carrots are small and tender brush them before cooking. If they are older and have been stored for some time, they will be more appetizing if pared.

To shrink a piece of wool, roll it in a wet towel or sheet and leave it for about 6 hours. Then straighten and spread on a flat surface to dry. To shrink cotton, leave for about 2 hours, then straighten and dry.

Did your mayonnaise ever curdle when you were making it? There is a remedy. Start the preparation again. Use a clean bowl and a well-beaten egg yolk and gradually beat in the curdled dressing. Once the mixture is thick and smooth, complete the prep-

For Easter Party

Suggestions for entertaining at Easter time are given in our 2 leaflets, "Easter Eggsibit," and "New Fashions in Easter Favors." As long as the supply lasts we will send both copies of these leaflets for 5c. Please address Entertainment Editor, Kansas Farmer, Topeka.

Pattern News



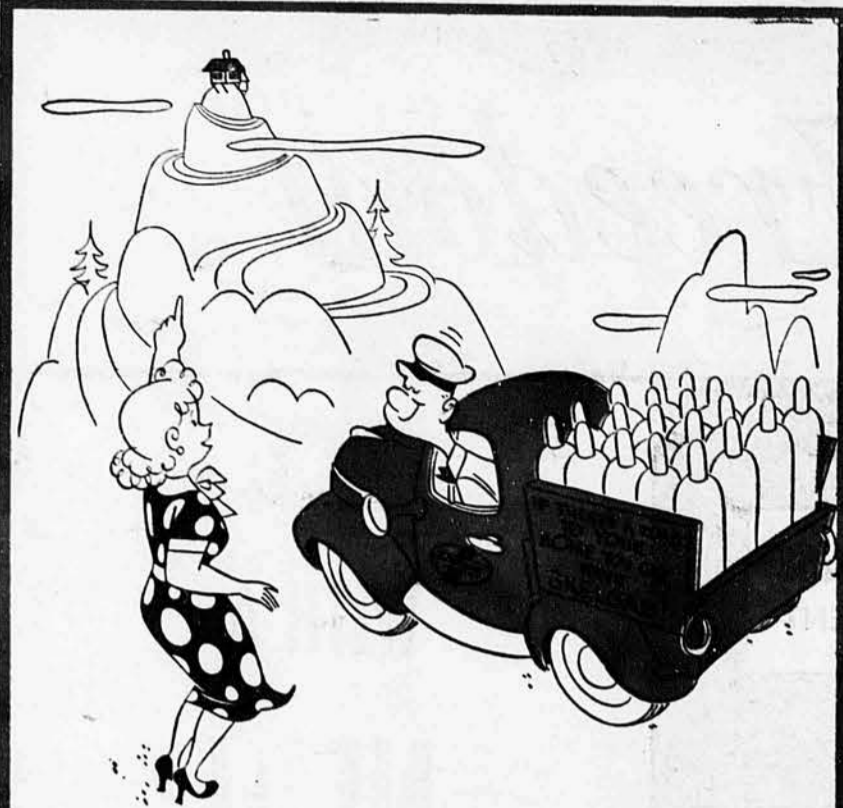
9093—A side-swept beauty to go with any skirt or suit. Easy sewing with a minimum of seams and parts to cut. Sizes 12 to 20. Size 16 requires 1½ yards of 39-inch material. Skirt also can be cut at waist. Sizes 12 to 20. Size 16 dress and jacket require 4¼ yards of 39-inch material.

9251—Thrifty cut and quick to make. In size 2, jumper takes one yard, jacket ¾ yard more. Blouse is cut in one piece. Sizes 1 to 6 years. Size 2 requires 1¾ yards of 35-inch material.

9373—Fashionable, slenderizing and youthful with a deep yoke, scalloped neck and full skirt. Sizes 34 to 48. Size 36 requires 3¾ yards and ¾ yard of contrasting 39-inch fabric.

9491—Two-piece attractive dress. Wear it as a jumper or for sunning. In size 2, jumper takes one yard, jacket ¾ yard more. Blouse is cut in one piece. Sizes 1 to 6 years. Size 2 requires 1¾ yards of 35-inch material.

9030—Whistle while you work in this gay housefrock. Wear it downtown too. Sizes 12 to 20 and 30 to 42. Size 16 requires 3¾ yards; ¾ yard of contrasting 35-inch material.



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 - 3 Red Lake Currants, 2 yr..... 1.25
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For use on all 32 Volt Home Light Plants. Makes two slices of delicious toast. Order today! Enclose \$8.95 and we pay postage — or shipped C.O.D. and you pay postage 1 Year Guarantee! **\$8.95** HAINES MFG. CORP. Minneapolis 2, Minnesota

Reliable Advertisers Only Are Accepted in Kansas Farmer

Do you suffer distress from 'periodic' **FEMALE WEAKNESS**

With Its Nervous, Highstrung Feelings?

Are you troubled by distress of female functional monthly disturbances? Does it make you feel so nervous, cranky, restless, weak, a bit moody—at such times? Then do try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms! Women by the thousands have reported remarkable benefits.

Pinkham's Compound is what Doctors call a uterine sedative. It has a grand soothing effect on one of woman's most important organs. Taken regularly—Pinkham's Compound helps build up resistance against such distress. It's ALSO a great stomachic tonic! All drugstores.

Monthly Female Pains

Pinkham's Compound is very effective to relieve monthly cramps, headache, backache,—when due to female functional monthly disturbances.

Change of Life

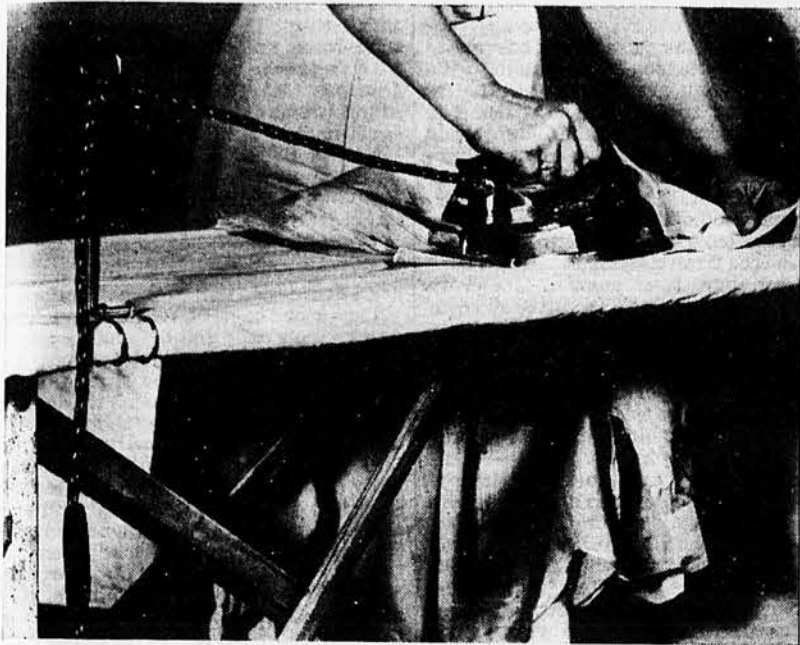
If the functional 'middle-age' period peculiar to women makes you suffer from hot flashes, weak, highstrung, irritable feelings—try Pinkham's Compound to relieve such symptoms. It's famous for this purpose.

Lydia E. Pinkham's **VEGETABLE COMPOUND**

Send 25 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka. Fifteen cents more will bring you the Spring Pattern Book with a free pattern printed in book.

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Hinton—Student, Soldier, Crusader

He Made Kansas History

THE struggle for the free state of Kansas is well told in journals in the library of the Kansas State Historical Society. One of the most important of these is one by Col. Richard J. Hinton who, in August, 1856, arrived with a wagon train of freedom-loving, anti-slavery easterners to make and keep the territory of Kansas free.

Colonel Hinton was one of the many zealous, energetic, even intellectual men and women who were willing to face any hardship to achieve the cause of freedom against slavery. In 1856 there were no railroads in the territory. His party of pioneers started at

New York City, went west to Buffalo, by steamer to Detroit, thence by rail to Chicago and Iowa City. Here the railroad ended. The rest of the journey must be made by wagon train. They crossed the north line of Kansas territory on August, 1856. Of this event, Colonel Hinton writes in his journal as follows:

"In the train now moving there are 53 wagons, with teams of oxen or horses, some 25 horsemen, and over 500 other persons on foot. This morning, we started at about seven, and at about ten crossed the Kansas line. For the first time I stood upon her soil, and after six weeks of toil and fatigue, have reached the promised land. My heart is too full to find words to express my thoughts, and it seems hard to realize that we are on the prairies destined by the slave oligarchy to be blackened by the hell of men in bondage. But the good God who provides for all, in His infinite providence, will not let this evil fall upon us and overcome us like a summer cloud. The fair prospects of

Bluebird Spread



7031

Bluebirds are for brides. Make this spread with its flower frame for her. Simple to embroider and lovely too. Easy embroidery pattern 7031 has transfer of a 15½- by 18-inch motif. Five motifs 3 by 5½ to 2½ by 10½ inches. There are easy-to-see charts and photos and complete directions. Makes needlework easy.

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

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"Happy Go Luckies," is the title of a new playlet in poetry which will make clever entertainment at a club or school meeting. It is a colored minstrel play, requiring 4 characters who can sing. Very little stage setting required. The scene is laid outdoors. Please address Entertainment Editor, Kansas Farmer, Topeka, for copies of the play. Price 5c each.

humanity must not be blotted, nor the hope of the world blasted."

Later, during the Civil War, Hinton served in the Union army in important positions, was given special commendation by President Lincoln. Being a journalist as well as freedom-loving crusader, he held high positions on some of the largest newspapers in the country. Some of the magazines to which he contributed were the Atlantic, Scribners, and many which are not now in existence. In all his varied labors of worker, writer and soldier, he remained a student. Such is the type of men who were inspired to make Kansas a free state.

Store Bread Crumbs

Well dried bread crumbs will be ideal for sprinkling on top casserole dishes, making croquettes, coating meat and fish before frying. Run them thru the food chopper and store in a tightly covered glass jar.

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We Are Seeing America

Why Don't More Farm Folks Take Vacation Trips?

By **FRANCES R. WILLIAMS, Marshall County**

This time Mrs. Williams brings you more about her visit to Maine, where they grow big potato crops and have big forest fires....

LOCATED in the northeastern part of Maine is the Aroostook Valley, which is the great potato-producing section. The income from the lowly "spud" in Aroostook county, which is the principal potato-producing county, amounted to \$65,000,000 in 1947.

Maine often is called the Pine Tree state, and the Pine Tree Trail, (Maine No. 1) highway, traverses this region of prosperous farms and bustling villages. The large farmhouses, the immense hip-roofed barns and other buildings were for the most part newly painted. The yards were neat; fields and fence rows were remarkably free from weeds, oats and barley were green, red clover red with bloom. Judging from the size of the haymows of the great barns, hay is an important crop. The hundreds of acres of potato fields in full bloom, made an attractive picture. Altho it was mid-August, the entire country had the appearance of Kansas in early June.

At Presque Isle, in the heart of the potato country, the state experiment station is located. Here, also each summer, the Potato Blossom Festival is held, and the "Potato Blossom Queen" is selected.

The seed, for which the region is famous, came originally from Prince Edward Island. It was brought by early settlers who came from "Spud Island" or P.E.I. (potato every inch) as the island is often called. During the years different varieties, better suited to the region, have been developed and the quality improved.

Potatoes Look Thicker

In comparison with the Kaw Valley potato fields, the Maine potatoes appear to be planted much thicker, or it may be the varieties have more foliage. In cultivation the dirt had been thrown up against the plants, leaving a deep furrow between the rows. Tractors in the fields were equipped with spraying attachments. Some were using liquid spray, while others were using a dust. Airplanes also are used in many sections to do the job of dusting. In our small potato patch at home, the spraying or dusting is done to kill potato bugs. But wilt and rust are the enemies that must be kept under control by the Maine farmer. By mid-August the potato harvest in the Kaw Valley is over. But in Maine, the vines were lush and green. Only 2 or 3 farms in the entire region were offering potatoes for sale. The prices asked at the farm roadside stands were 65 to 70 cents a peck.

The potato cellars, where the crop is stored, were of special interest to us. At least one, and often more, storage cellars are located on every farm, depending on the number of acres planted to potatoes. The cellars are banked to the eaves with dirt, every cellar has its ventilating chimney.

The majority are built so they may be entered from 2 levels. Trucks or wagons may be driven into the cellar on the upper level at one end and unload by dumping into the bins below. Or the cellar may be entered from the ground level by means of double doors.

Some of the cellars were open. Wooden barrels were piled high in the

interior. "Do they use these barrels to store the potatoes?" we asked. We were told they are filled in the fields, then hauled to the cellars where the potatoes are sorted, graded and put in bins. There were signs on many cellars which read, "Keep Door Closed to Prevent Ring Rot." Producers of certified seed are subject to frequent inspection and every care is taken to produce seed that is free from disease. Legume crops play an important part in the crop-rotation system and many fields of clover were being plowed under, in preparation for the next year's potato crop.

Starch, an important by-product, is manufactured at Presque Isle and Houlton. These 2 cities are also important potato-shipping centers.

Directly west and north of the potato-producing region is an area where lakes and forests abound. Mt. Katahdin, altho about 50 miles away, was visible from our highway. This mountain, the highest point in Maine, is the northern terminus of the Appalachian foot trail, which extends south into Georgia. The mountain is surrounded by Baxter State Park and is considered one of the most beautiful sections of the state.

Missed One Thing

We had hoped to include a visit to Mt. Katahdin, while we were in the vicinity. The filling-station attendant where we stopped to inquire was a bit impatient with us. He could see no good reason for anyone wanting to travel over the road that leads to Baxter Park. "The road ain't fit to drive a car over. You would be crazy to even try it. You just don't have any idea what some of these roads in Maine are like," he declared. We still think it would have been an interesting trip.

After leaving the potato country we traveled thru forests. There were numerous sawmills. The streams were filled with logs that were on their way to the mills to be made into pulp and paper. Old Town (what a strange name for a city) is located in a lumbering section and produces paper and wood products. The campus of the state university, also located here, was beautifully landscaped with trees and shrubs.

Maine has many manufacturing cities, located on rivers, whose factories are run by water power and produce textiles and many products. Gorgeous goldenrod and black-eyed Susan made roadsides bright with color, and wild raspberry vines were red with ripe fruit.

Forest Fires

Pine and pitch-laden evergreen forests cover much of the state. One has only to walk under the trees to be aware of the spongy carpet of pine needles, dry as tinder; only a spark of fire is needed to start a conflagration.

It will never be known just who or what was responsible for the forest fires of 1947, which took a toll of 15 lives and destroyed untold millions of property. The fires swept thru several sections. Bar Harbor, Biddleford and Kennebecport were among the sections that were damaged.

The great summer homes of the rich, the modest clapboard houses of the natives, whose ancestors perhaps had settled on the same patch of ground where the house stood, as well as the

(Continued on Page 29)

Please Be Careful

WHILE walking thru a cow lot, an elderly farm woman was kicked in the chest by a cow—the injury caused her death a few days later.

A farmer was driving a tractor as motive power for a ditcher—to clean the irrigation ditches on his farm. He detached the ditcher and made a turn at the intersection of 2 ditches. When he attempted to drive out of the ditch, both back wheels were in it. He turned on the power sufficient to raise the front of the tractor, which fell back on him. He was killed instantly.

A young farmer—only 34 years old—was gored by a bull; he died the day of the accident. No matter how friendly a bull may seem, each one should be handled with as much care as if he were known to be vicious.

—Kansas State Board of Health.

Wonderful Results

Raising Baby Chicks

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers. Read her experience in her own words: "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 50c and \$1.00; breeders sizes \$2.50 and \$4.00.

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SCIENTIFIC FACTS: Both coffee and tea contain caffeine—a drug—a nerve stimulant. So, while many people can drink coffee or tea without ill-effects—others suffer nervousness, indigestion, sleepless nights. But POSTUM contains no caffeine—nothing that can possibly cause nervousness, indigestion, sleeplessness.

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Please send information on:
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shacks of the fishermen, all went down before the onslaught of the fire.

Today the blackened skeletons of the trees stand bare and desolate except where fireweed flaunts its sickly-pink blooms. Many trees have toppled over, showing how shallow their roots were anchored in the thin topsoil.

Here and there, a pile of crumbled brick, a heap of rubbish, or a lone chimney remains standing to mark the spot that once had been a home. Some of the houses have been or are being rebuilt. Some of the trees have been cut down for wood, or for lumber, but the greater part is entirely lost.

In the township of Kennebuckport, 5 houses stood in a row. Four burned to the ground, the fifth remains untouched. Altho in a direct line of the fire, the wind shifted just in time to save the 200-year-old house.

Another home is located near the palatial home of Kenneth Roberts, the novelist. The owner said, "Fires were all around us. On a Tuesday night we were ordered to vacate. We walked out with only what we could carry in our hands and were taken by boat across the bay to a safer place. The next morning we were allowed to return. We were amazed to see the house and barn standing untouched. The firemen had battled to save the barn for it stands on a rise of ground. It was filled with dry hay and wood. If the barn had caught fire, nothing could have saved the house and many other homes. Just when the firemen thought the battle was lost, the wind suddenly shifted. It was almost like a miracle." In many

places the fire burned to the edge of the beach.

Three Sisters

Three sister villages—Kennebuck, Kennebuckport, and Kennebuck Beach—are located near together along the seacoast. Kennebuck is the oldest, having been settled in 1650. Several interesting homes built by rich sea captains are located along the elm-shaded streets of the village. One of the most famous is the "Wedding Cake House." The house is large and built of yellow brick. It is decorated with a lacy white fretwork of elaborately carved wood festoons, not unlike the frosted decorations of a wedding cake. The house was built by a rich sea captain for his wife. When the boy married his sweetheart, they were so poor they could not afford a wedding cake and the bride mourned. The boy went to sea. In the years that followed he became rich and when he retired he built the house to make up for the lack of the wedding cake for his bride, many years before. The house is now a tourist home, and visited by many sight-seers.

In nearby Kennebuckport, the novelist, Kenneth Roberts, has his summer home. The town and the locality were once called Arundel. The novelist has used the locale, local events and characters in his books. This village also was the home of another famous writer, Booth Tarkington. The ship, "Regina," where Tarkington did some of his writing, is still tied up at the pier of the village.

Apples From Canada

By JAMES SENTER BRAZELTON

GROCERY stores in Troy are offering their customers boxed apples from Canada. There is something ironical about that. It recently has become a common practice to ship apples from Washington and Oregon into this apple-producing section, and growers here have become accustomed to seeing fancy Delicious from Wenatchee and Yakima displayed in the local stores. Brokerage firms in St. Joseph have even brought Jonathans from Illinois to compete with our home-grown Jonathans right at apple-packing time.

But this is the first time I have known of apples from a foreign country being offered for sale here. It cannot be argued that the local supply is exhausted, for that certainly is not the case. There are thousands of carloads of apples grown in the United States now in cold storage plants thruout the nation and as yet unsold. It cannot be said that better quality was desired, for the Canadian apples I saw were Grimes Golden, smaller and much inferior to the Grimes we grow here.

A short time ago the Canadian government announced that an order-in-council had been passed easing the export restrictions on all fruits and vegetables from Canada, except potatoes, beans and peas. Since then apples from the province of Ontario have been allowed to enter this country without restriction. We have difficulties enough getting our own apples sold. We certainly should not have to add the competition of Canadian apples to our worries.

The Washington state legislature recently drafted a memorial to President Truman and the Congress, protesting the "indiscriminate exports of Canadian apples into the American market." Key legislators asked in the resolution that an investigation and possible legislation be made by Congress "to prevent the recurrence of the heavy 1948 export program by the Canadians" to this country.

The marketing situation for apples produced in this country has been bad ever since we lost our European outlet some years ago. Virginia and New York formerly enjoyed a brisk export trade. A large per cent of the Pacific

Northwest apples found their way to England via the Panama Canal. Other apple-producing areas easily took care of the domestic demand.

At present about the only foreign markets we have are the Philippines, Venezuela and Cuba. Growers thruout the nation are hopeful that eventually the economies of the European nations will be back to the point where it will be possible for the United States to ship apples to them as formerly. It is a certainty that before we can get anywhere with the export business we will have to regain the European market.

A truckload of lettuce from El Centro, Calif., recently arrived at Richmond, Va., as the opening move of a wholesale revolt against increased freight rates. The truck is said to have made the trip in 5 days in contrast to average freight time of 10 to 11 days. If the shipment had been made by rail the consignee would have been obliged to pay 5 cents a package for hauling from rail siding to store door, whereas the truck shipment was store-door delivery.

Similarly a truckload of 650 boxes of Washington apples moved from Wenatchee to Chicago, about 2,000 miles. This initial truck shipment made the run in 5 days despite adverse highway and storm conditions.

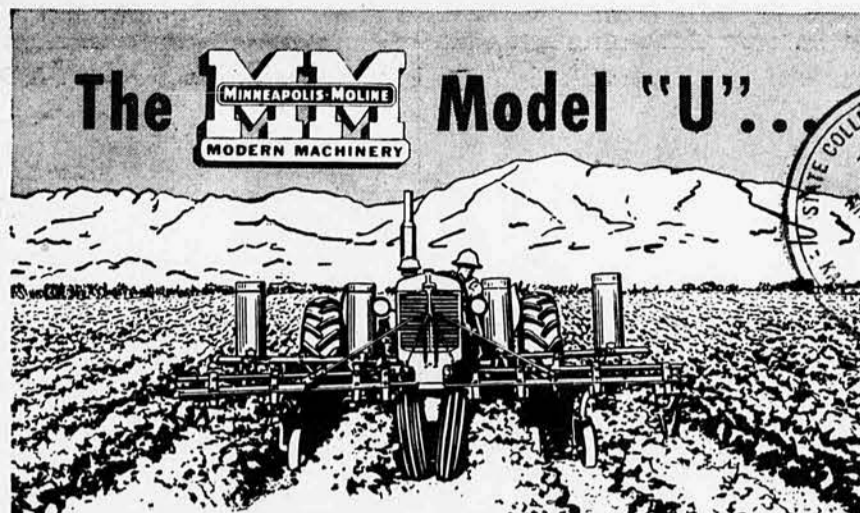
Up to this time prospects are bright for good fruit crops in Northeast Kansas this summer. If everything goes well from here on there will be more strawberries shipped from Doniphan county in 1949 than for several years. This is because the acreage is larger, the plants had good growing weather last summer and put out an abundance of runners, and the patches received better care than usual.

Altho the winter has been severe strawberries seem to have suffered no damage. In fact the steady cold with no alternating warm spells has kept the plants from making premature growth. Growers are reconciled to the fact that prices will be less than for several years.

Prospect for a peach crop is good. At no time during the winter did the temperature drop low enough and remain low long enough to do any harm. At present the buds look good and are ready to begin to swell with the first warm days. There always is that danger here in Kansas of the peach buds being nipped by a late frost. This has happened here many times when the peach trees were in full bloom. So a peach crop is something that cannot be assured until the peaches are in the basket.

V-Feeder for Hens

There is now available a leaflet entitled, "V-Feeder for Laying Flock," published by Kansas State College Extension Service. For a copy of this leaflet, please address Bulletin Service, Kansas Farmer, Topeka.



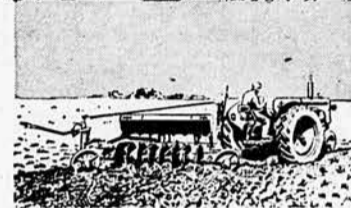
... Will Step-Up Profits for You!

The 3 to 4 plow Model U provides economical power for drawbar, power lift, belt pulley and power take-off applications. Variable speed governor, five forward speeds, swinging-type drawbar, and adjustable rear tread economically adapt the U for any farm task.

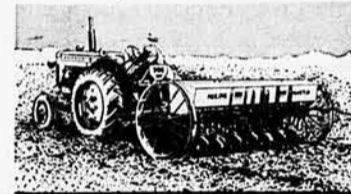
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Time-tested for effectiveness—backed by experience and fine reputation, Niagara machines and formulations do mean effective production.

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NIAGARA DUSTERS and DUSTS SPELL DOOM
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Corn in Kansas Is a Problem Child

In Kansas, corn is the problem-child crop when it comes to economic fertilizer application rates. In test plots it does not seem to comply with logical fertilizer applications—applications synchronized with plant food requirements of corn. In this article, the fourth in a series being carried in Kansas Farmer, some of the possible reasons for corn fertility difficulties are pointed out. Also listed are general fertilizer recommendations for corn in Kansas as prescribed by Dr. Harold E. Myers.

CORN in Kansas is a difficult crop to fertilize economically, says Dr. Harold E. Myers, head of the agronomy department, Kansas State College. It responds well to good soil-management practices, such as crop rotation with legumes and the use of barnyard manure.

Peculiar sets of figures have come out of corn-fertility demonstration plots. Last year, comparatively heavy rates of fertilizer applications in good bottom-land soil produced economical increases in yields. But similar rates of application in poorer upland soils within the same county produced hardly an appreciable difference in yield. That would seem to indicate that good soil will respond more favorably to the use of fertilizer with corn than poor soil. Just the opposite of what you would suppose because the poorer soil is known to be low in necessary plant food, the good soil not so low.

Grows in Hottest Season

Some of this may be due to the fact that corn is not so well adapted to the Kansas climate as wheat. Most of the growth on wheat takes place during the cool months. Corn must grow and mature during the hottest season. One theory holds that the rate of transpiration of corn during those hot months is so high during the day, that corn has all it can do at night just to keep up with daytime loss. And that doesn't leave any reserve for putting ears on the stalk.

In addition, topsoil usually becomes dry which limits the ability of the corn roots to supply plant food. With the combination of those 2 factors, corn begins to "fire." And that firing, contrary to common assumption, is usually due to a lack of nitrogen rather than drought.

Nothing can be done about temperature. We have it high or we have it medium during the corn-growing season. And usually it is high. That limits potential corn production in Kansas. But, apparently, something can be done to provide plant food for growing corn even when the top 6 or 7 inches of soil become too dry for corn roots to utilize plant food in that area of the soil profile.

Limited experiments have been conducted in other states with deep placement of fertilizer. When plant food is

available down deep, corn roots will seek that fertility. And if a sufficient number of corn roots are down below the 7- to 8-inch level, they will be able to supply plant food after roots in the upper strata are rendered ineffective due to dry topsoil. That requires plant food down 10 inches or more below the surface.

Last fall this writer saw corn planted with normal rates of fertilizer plowed down 7 to 8 inches deep. That corn was "dead ripe" early in September. More dead than ripe. It made from 50 to 70 bushels an acre. In adjoining fields he saw corn that still was green to the bottom leaf. Here heavy amounts of necessary plant food were plowed down 12 inches deep. Then several hundred pounds of mixed fertilizer were applied while planting and used as a starter. This corn, 800 acres of it, averaged more than 120 bushels an acre.

Look at plant food required to make a 40-bushel crop of corn: About 63 pounds of elemental nitrogen, 23 pounds of phosphorus in the form of P205, 57 pounds of potassium (K20), and 42 pounds of calcium carbonate. For 80 bushels double those figures.

Will Pay Well

According to test results, Doctor Myers points out, both nitrogen and phosphorus should be included for the fertilization of upland corn in South-eastern Kansas. Nitrogen alone appears to be of greatest importance in Northeastern Kansas and on bottom-land soils of Southeastern Kansas. However, he points out, on some Northeast Kansas soils phosphatic fertilizers along with nitrogen will give an economical response in some years.

Doctor Myers points out that the best rate of fertilization for corn has not been determined adequately. But it appears that nitrogen fertilizers applied at such a rate as to supply about 40 pounds of nitrogen an acre is approaching the optimum rate. That would require about 120 pounds of ammonium nitrate.

The phosphorus should be applied at the rate of about 100 to 150 pounds of 20 per cent superphosphate, which would give from 20 to 30 pounds of available phosphorus an acre.

Potassium is not generally needed, altho there may be occasional fields in Southeast Kansas where potassium may be deficient enough to limit corn yields. The most likely situation for this condition to exist is where corn follows a legume on land that has been heavily limed, but not previously manured or treated with a mixed fertilizer supplying potash. On these fields about half as much potassium should be applied as phosphorus.

In general much more experimental work is yet to be done with corn fertilization in Kansas. This work has been hampered by a lack of funds.

Twenty-Five People a Minute

That Is the Rate the Population Increases

By JAMES SENTER BRAZELTON

IN HIS much-read book, Malabar Farm, Louis Bromfield discloses the terrifying fact that the population of the world is now increasing at the rate of 25 people a minute.

This is happening in a world where at least two thirds of the population already suffer from malnutrition, and hundreds of millions live at a starvation level; being born and dying without having enough to eat for a single day in their lives.

Even in the United States, in city slums and worn-out agricultural areas, thousands of people suffer from severe malnutrition approaching slow starvation.

In one chapter in his book, Bromfield tells of an English scholar who, more than a century ago, advanced the theory that the population of the world would, at a time not too far distant, outstrip its available food supply. This man was Thomas Robert Malthus and his theory became known as the Malthus theory.

Malthus claimed that population, when unchecked by artificial means, increases in geometric ratio while sub-

sistence only increases in mathematical ratio. This theory has been the subject of hot controversy by philosophers, intellectuals, economists and sociologists everywhere.

It is now just beginning to dawn upon most of us that the theories of Malthus were not so fantastic after all. With agricultural production per acre constantly declining, it is becoming more and more clear that the population of the world has outstripped the means of its subsistence.

According to Department of Agriculture figures, the ratio of all possible agricultural land in the world, available for producing food under any existing methods of agriculture, is about 2 acres per person. Bromfield says that under this ratio, even if every individual in the world had his proportionate share of food, the world would still be unable to feed itself on any but a near-starvation diet of cereals.

High-protein animal foods, he says, such as meat, dairy and poultry products would largely have to be abandoned, and we should all have to live

(Continued on Page 31)

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upon a meager diet of grains, relieved only by wild game or the high-protein foods available from the sea.

We know that such a diet is a fact in India, China and Japan where the population has for a long time exceeded food production, based on the diet to which Americans and most Europeans are accustomed. The author contends this is so because it requires about 7 pounds of grain to produce one pound of meat, a ratio which holds largely in the production of milk, eggs, cheese and other high-protein feeds.

Another Serious Menace

In addition to the declining ratio of agricultural land to population, there is another element that has become serious since Malthus advanced his theory. And that is the declining agricultural production per acre over most of the world's area. Bromfield points out that this decline has been going on steadily ever since the land was put under cultivation. The reason for it, he says, is because of the devastation caused by wind and water erosion and by poor, destructive and inefficient farming.

"Some once richly productive areas like that of North Africa (once the granary of the Roman Empire), the valley of the Tigrus and the Euphrates and vast areas of India and China have ceased to grow even sufficient food for the population of the immediate areas or have been turned virtually into desert regions."

The author reveals the startling fact that already one fourth of the good agricultural land of this nation has been destroyed by erosion and a poor agriculture, and all but about 10 per cent of what remains is in the process of more or less rapid destruction by floods, wind and water erosion, and by an agriculture which depletes the soil and lowers production per acre thru a con-

stant process of taking off more than is put back.

Meanwhile the population of the United States continues to increase. Bromfield points out that this is exactly the process experienced by India and China in the past. The only fundamental difference, he says, is that it is occurring much more rapidly in this country than it did in India or China.

The declining production per acre is serious also from the economic viewpoint. The less food produced per acre, the more the cost of production is increased. This accounts for the rising cost of food for the last two generations which in turn is responsible for the constant demand for higher and higher wages. Rises in industrial wages, the writer says, do not compensate since inevitably they are passed on to manufactured commodities which, in turn, increase costs for farmers and consequently costs of his economic survival and of production and imperil the living standards of all.

Will We Be Hungry?

As the costs, particularly of high-protein foods, increase thru growing scarcities, lowered production per acre, and increased cost of production per bushel of corn and wheat and consequently per egg or quart of milk or pound of meat, the prices of these foods rise higher and higher and restrict more and more the markets for them. Consumers financially hard pressed are forced to forego high-protein animal foods and eat eggs and butter fewer and fewer times a week. The author arrives at the inevitable conclusion that we are in the first stages of approaching the dietary standards of Asiatics thru declining food production and increasing population.

Malbar Farm, by Louis Bromfield is published by Harper & Brothers, New York. Price, \$3.75.

"To the Beloved Christian Who Sent Us This Food"

MESSAGES of thanks for the Kansas food given to the Christian Rural Overseas Program, (CROP), are coming from children, sick and aged people, and pastors and priests in many parts of Europe, according to Leonard M. Lowe, Kansas CROP director.

Undernourished kindergarten children in Germany sent crayon drawings of CROP food activities—pictures of the food-bearing ships, of the unloading, and of themselves waiting for a share of the CROP given them for lunch at school.

Some of the pictures were the painstaking scrawls of 4-year-olds, directed by the hand of their teacher, "To the beloved Christian in America who sent us this food."

An official in a camp for homeless boys wrote: "Recently a great number of youths are secretly leaving the Russian zone. They mostly arrive in rags only and in a state of grave malnutrition. We take care of them until they can find an apprenticeship or some job."

"We put them to work daily. Yet their capacity is low, as rations are insufficient. They often had empty stomachs until lunch. For lunch, and for supper on 4 days of the week, they have a watery soup. Out of the CROP gift we are now able to give them a few slices of bread for breakfast."

A Westphalian pastor said: "Is it possible for you Americans to understand what it has meant for a big family to receive unexpectedly several extra pounds of flour? Or appreciate the joy in a children's home when they suddenly get a whole bag of flour? May God bless the givers."

Wrote the Archbishop of Paderborn: "The milk was distributed among the children. It was, and still is, a horrible picture to see these children so undernourished and poorly clad. Thanking God, I can see that thru the generous donations of the American Christians to CROP much misery was alleviated."

The director of a Protestant refugee camp reported the feeding of "people from the Baltic provinces, who have returned from Denmark. On the following day there was a letter of thanks, signed by every one of the recipients."

Additional gifts are being received daily in the Kansas CROP office in Topeka, Lowe said. They are added together and a carload of food is sent as soon as possible. Only carload lots are sent abroad in order to keep shipping costs low.

CROP is the agency of Church World Service, Lutheran World Relief, and the Catholic Rural Life Conference. Church agencies distribute the food overseas, but it goes to the neediest persons, regardless of their creed or nationality.



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Starting Right With Good Chicks

By TOM AVERY, Kansas State College

THE successful poultryman observes 2 main points before he gets his chicks. These are (1) be prepared for the chicks before they arrive, and (2) start with the right kind of chicks. Just what kind of chicks are going to best suit your needs? There may be as much difference between strains within a breed as there is between breeds themselves. If chicks are kept primarily for broilers, then by all means buy chicks that come from a broiler strain. If you intend your poultry enterprise to be essentially that of producing eggs, then buy chicks from an egg-producing strain.

I recently heard a poultryman comment that last spring he bought 600 chicks and he had never raised chicks that grew so well as these, but the same chickens were poor egg producers. When I learned the particular strain of birds these had come from, it was not hard to understand that he had purchased chicks bred primarily for the broiler trade, but were not bred for high egg production. If one is to expect maximum performance, then start with good birds that are bred for the particular purpose you have in mind.

Don't Take a Chance

Cheap chicks usually prove to be expensive chicks. No hatcheryman who is doing a first-class job of producing top-quality chicks can continue to operate for long at a loss. One of the first requisites for top quality is that chicks be free from pullorum disease. Proper blood testing of the parent stock, and proper sanitation in the incubator, have in many hatcheries eliminated this dreaded baby chick disease. Chicks affected with this disease are most likely to die when they are from 7 to 9 days old, and usually little mortality occurs after they are 14 days old. This disease also may be picked up from other chicks if it is necessary to ship them long distances.

Assuming that proper management practices are followed, there are still

many inherited factors that may greatly influence your poultry profits. Some of these are—rate of feathering, rate of growth, age at first egg; size, shape, and color of the eggs; rate of laying, and broodiness. Even heavy breed chickens can be bred for early feathering. This is of particular importance to the broiler grower.

Let us assume that we are starting with the best birds we can buy. Then we owe it to the chicks to give them a suitable place to live. The brooder house should be well constructed and roomy. Each chick that is confined should have at least 1/2 square foot of floor space. This means that a 10- by 12-foot brooder house would adequately accommodate 240 chicks. There should be about 7 square inches of hover space per chick.

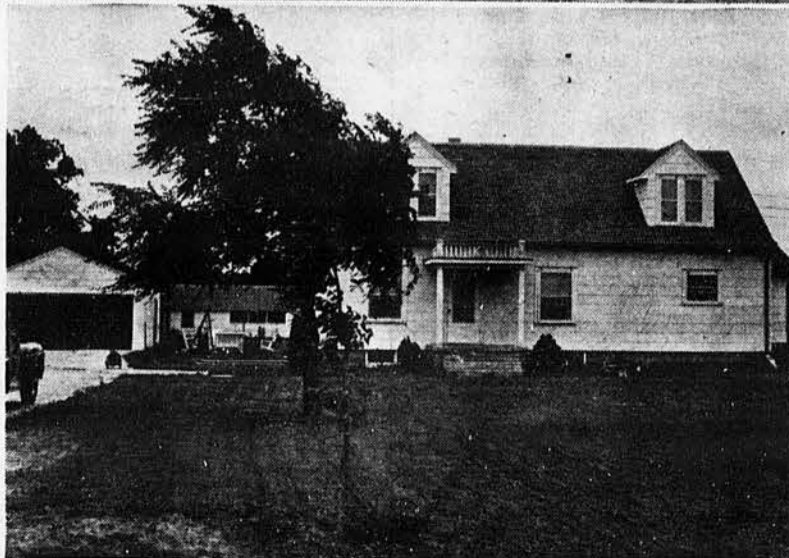
Clean the Brooder

The brooder house and all equipment should be cleaned and disinfected. One pound of lye to 6 gallons of hot water makes a very effective disinfectant. It is not good management to have the brooder house located too close to the adult birds. Certain diseases are airborne and may be carried to the chicks. Provide a good absorbent litter to the floor. It is not advisable to use a litter that contains much chaff for the first few days, as chicks are likely to eat excessive amounts of it before they realize where their food is.

The brooder stove should be started several days before the chicks are to arrive so the floor will be thoroly dry and all necessary adjustments made. Unless the brooder house is very small, it is best to place a guard around the brooder so the chicks will be kept near the heat for the first few days. At least 1/2 inch of water space and 1 inch of feeder space should be supplied for each chick.

Early chicks are usually the most profitable. Records show egg prices average about 30 per cent higher between July 1 and January 1, than they do between January 1 and July 1.

Beautify Their Home



The top picture of the Orville Henderson farm home, Cloud county, was taken soon after the house was completed. Note barren appearance of yard. Now the Henderson home, below, is beautified by an attractive lawn, shrubs and trees, a new driveway and garage. Between the garage and house can be seen lawn chairs and benches, part of an outdoor picnic area being developed.

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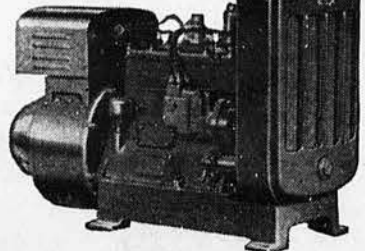
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Rodeo Season

(Continued from Page 4)

a rodeo star. She was a girl bronc buster before that event was thrown out by promoters and now is a featured trick-riding star.

Come April, the 1949 rodeo season will get underway in Kansas. Some 250,000 to 300,000 persons will flock to the 30 or more major RCA-approved shows in the state this year. While possibly 300,000 Kansans will attend at least one rodeo in 1949, few of them know anything about the organization behind these shows, or about the lives of those connected with such shows.

All rodeos must belong either to the Rodeo Cowboys Association or the International Rodeo Association, and a promoter must pay his association \$25 for each approved show. Points awarded in these approved shows count toward the world's championship in all events. Biggest money winner in all events becomes the world's champion all-around cowboy.

The rodeo season starts for the cowboys in January at the big Denver show and continues until the last of November, when it ends at the Los Angeles Stockyards Rodeo. Madison Square Garden Show, in September and October, at New York, is the biggest money show of the year.

Compete for Big Money

All cowboys competing must belong to the Rodeo Cowboys Association, to which they pay \$10 annual dues. They also must pay entry fees for each event entered. These fees are added onto winning purses. Last year, some 2,100 cowboys competed for \$1,750,000 in prize money, with entry fees making up \$300,000 of this amount.

These cowboys, says Ken, are completely dependent upon winning. They draw no salaries, expenses or guarantees. They pay their own way and accept all responsibility for injuries and hospital bills. "We can't get accident insurance as the sport is too dangerous," says Ken.

Ken and Gerald have both received bad injuries competing. Ken has had both shoulders severely damaged and both legs broken. In October, 1947, Gerald had one leg almost torn off and an amputation was considered. He was competing again at Houston, Tex., by February of 1948 and went on from there to win the world's championship. "The most dangerous time is at the end of the ride," says Ken. "Jumping clear of the animal takes real skill."

Cowboys reach their peak at from 25 to 30 years old and are considered too old for the game at 35, says Ken.

"The rodeo is the cleanest of all major sports," Ken claims. "No rodeo has ever been connected with a gambling syndicate and there is very little gambling connected with the sport," he maintains. "And cowboys are top sportsmen. Your closest competitor will give you tips on any animal he has ridden. There are a lot of brothers riding against brothers, too, which makes the competition a family affair."

When a Cowboy Goes Broke

What happens when a cowboy goes broke on the road? If he is in good standing he can borrow up to \$200 from the association. "You can always get a loan from a more fortunate competitor, too," says Ken. "I've been broke several times but always had friends who helped me out. Expenses are tough because we have to live in hotels and cabin camps. Many of the big rodeo towns also are tourist centers and they sock us heavy. I've paid up to \$16 a night for a room. To make it worse, we have to have receipts for all meals and lodging to get credit on our income tax. I overlooked that one year and it cost me plenty."

Cowboys belonging to the RCA must toe the line on conduct. Buckboard, official publication for the RCA, prints a monthly blacklist and names the deadbeats, along with details on hot checks, and skipping hotel bills. The association will make good on hot checks given by wayward members. But, if the cowboy is allowed to stay in the association, he is fined, suspended, or both. The association gets the money back from the cowboy's next winnings.

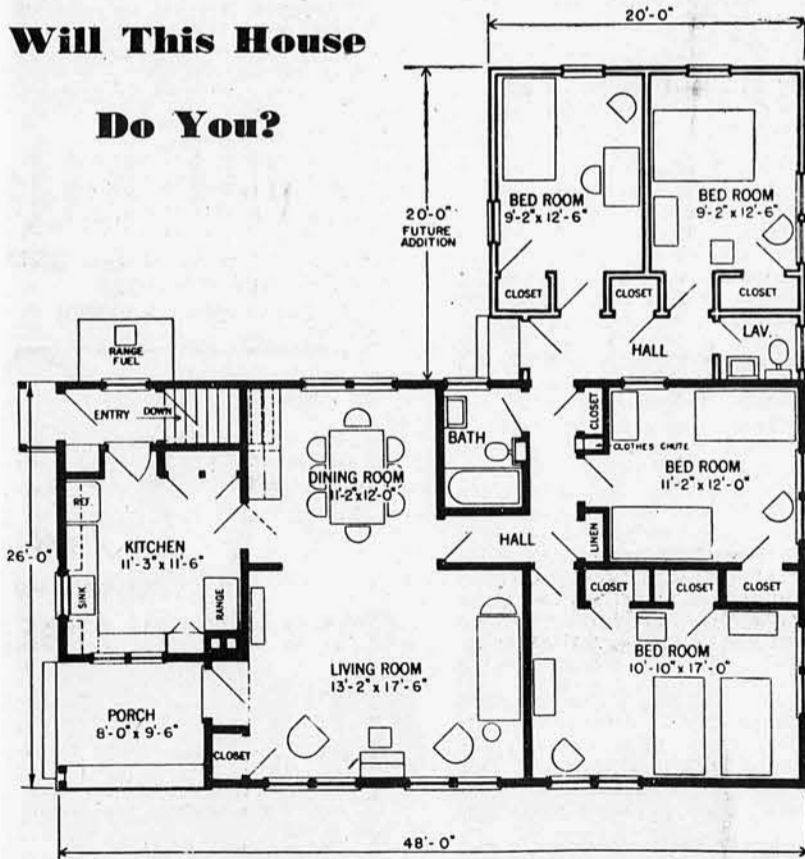
A cowboy may be blacklisted for rowdyism, drunkenness in the arena, quarreling with officials, beating a bill or passing hot checks.

Cowboys never know what bronc or bull they will draw in competition. Names of horses or numbers of bulls are put in a hat and drawn by officials. All riding events are judged by 2 competent field judges, while roping and bulldogging events are run by the stopwatch between start and finish lines.

Judges in riding events score both the animal and the rider. Toughness of the mount, plus attempts by the rider to make the animal do its worst are considered.

(Continued on Page 38)

Will This House Do You?



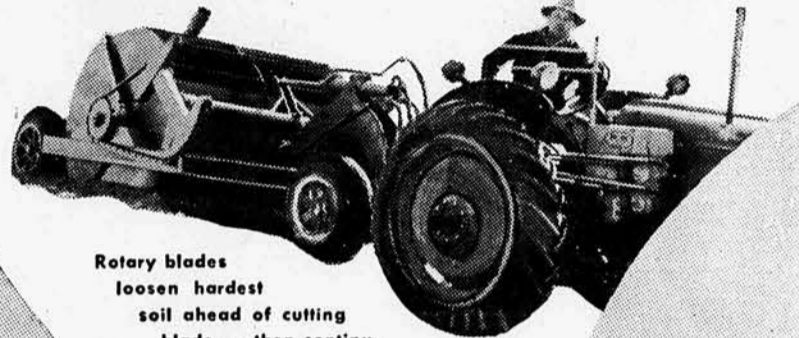
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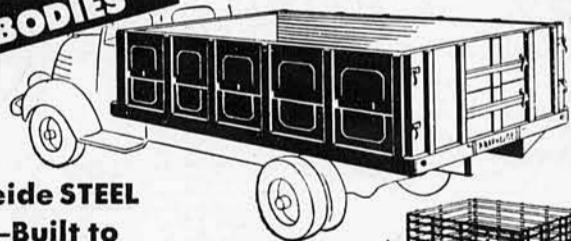
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Now That You Have Electricity

By CHARLES HOWES

THE Electrical Association of Kansas City used television, which soon will reach that community, to fashion a theme for a huge exposition of electrical progress early in March. This writer was amazed and pleased to meet a lot of Kansas farm people at this show.

Some folks came 100 miles to see the latest items in appliances and electrical equipment. For the farm home there was plenty to see. Radios, ironers, sweepers, fans, washers, water heaters, dishwashers, garbage-disposal units, lighting equipment, refrigerators, freezers, ventilators, clocks—that's a start to the list. Television, of course, was the headliner.

Almost every manufacturer of television sets had one or more units in operation in the exhibition hall of Kansas City's municipal auditorium. They displayed images televised by cameras on the floor of the hall and in the television theater. In all, the demonstration produced some convincing evidence that farmers may have profitable use of this equipment before too many years.

The women enjoyed such exhibits as the lightweight iron which even a child can use; and use it while sitting beside the ironing board. They also were paying close attention to the automatic electric dishwashers, washing machines and ironers. A model of the heat pump, the all-in-one home heating and cooling unit, received close scrutiny from all. Welding equipment prompted the greatest male attention.

The largest crowds followed the antics of "Junior," a robot refrigerator which rolled about the floor and aisles, opened its doors with no apparent mechanism, sang songs, whistled at the girls, danced, and otherwise entertained the large crowds every hour during the 5 days. "Junior" is a part of a traveling exhibit sponsored by a major manufacturer of electric appliances.

There is more evidence that refrigerator sizes will be increasing. Families now are demanding greater space as the utility of electric refrigeration becomes more apparent. Demand seems to be to include enough frozen-food space for at least 8 packages, according to recent studies, which is roughly a week's supply for an average family.

A light awakening for light sleepers is incorporated in an electric alarm clock improvement recently announced. The manufacturer calls it the Moon-beam alarm. It blinks a light silently for several minutes, then—if the sleeper hasn't responded—it clangs away in familiar tones.

There's a technique in replacing a fuse, say the experts, that is worthy of consideration. The simple act of removing the bad one and substituting a good one is not recommended, it seems. In the first place, and if possible, disconnect the appliance that apparently caused the fuse to blow. Then, throw the breaker switch to "off." Make sure you are not standing on a good conductor (use a board if you are in doubt), and touch only the fuse box and fuses when one hand is at your side or behind you. Then you can replace the offending item and return the switch to "on."

We read of an idea to help replace light bulbs in yard lights or other high places. It consists of an ordinary tin can fastened to the end of a pole. The can is lined with inner-tube rubber so the bulbs fit snugly. The rest is simple.

Good electric service depends much on proper size of the wires which supply each piece of equipment. Some major appliances require special attention to this detail, with care exercised to avoid using too small a circuit. For instance, these minimum sizes are recommended on the following appliances: Dishwasher, No. 12; garbage-disposal unit, No. 14; ironer or mangle, No. 12 or No. 10 if element is small; home

freezer, No. 14; stoker or blower, No. 14; electric range, No. 6; electric water heater, No. 12.

Just look at it this way. If your wire is too small it is similar to trying to force too much water thru a garden hose. Too much pressure creates friction, or resistance, and in the case of electricity the friction creates heat which causes a loss of energy. Thus, if the wire is too small for the load it is required to carry, the heat reduces the amount of current that finally may reach the appliance so the item does not perform properly.

There is a lot of interest in the tabletop idea for major home appliances. Washers, dishwashers, hot-water heaters, refrigerators and home freezers come in work-high models now. New home planning puts a premium on space in some instances, and utilization of appliances for off-hour work space offers an efficient answer to some kitchen and utility-room problems.

Turkey \$31 a Pound!

A record price of \$31 a pound was paid by Dr. J. E. Salsbury, president of Doctor Salsbury's Laboratories, Charles City, Iowa, for the first national grand champion dressed turkey exhibited at the National Turkey Federation Show, in Des Moines, January 6 to 8.

Since the champion bird, a tom, weighed 36 pounds, 10 ounces, the total price paid by Doctor Salsbury was \$1,135.37—a staggering sum. The bird, of the Broad Breasted Bronze breed, was produced by the Guy Lovelace Turkey Ranch, Dinuba, Calif.

Doctor Salsbury announced that the blue-ribbon bird would be contributed to a worthy cause. In commenting on his purchase, he said:

"I am, indeed, glad to pay \$1,135.37 for this splendid first national grand champion dressed turkey to indicate the interest of Doctor Salsbury's Laboratories in the production of quality birds, and to encourage all turkey breeders and growers in their efforts to improve the breed.

"This improvement is evidenced especially in good breeding, proper selection and care of hatching eggs, good feeding, good management and proper sanitation and medication."

The previous record high—\$30.50 a pound—was paid in December at the Far West Turkey Show.

Better Layers

Altho there were 3 per cent fewer hens and pullets in Kansas laying flocks on January 1, 1949, those layers produced 9 per cent more eggs than flocks during December, 1948, it is reported.

Production per layer averaged 9.7 eggs a month compared with 8.7 eggs a year earlier. This rate of lay per hen was the second high on record for December.

Total Kansas egg production during 1948 is estimated at 1,999,000,000, compared with 2,053,000,000 eggs in 1947.



"Darling, would you tell the police that it's perfectly all right for me to use your driver's license?"

For Tomato Success

By WILLIAM G. AMSTEIN
Kansas State College Extension Horticulturist

IF EVERY Kansas farm family grows the needed supply of tomatoes this year, we can call the garden a success. However, many problems often interfere to keep us from reaching this goal. No other vegetable creates as many questions and problems in getting satisfactory production as does the tomato. In Central and Western Kansas, failure of the plants to set fruit until late in the season is a condition commonly referred to as "blossom drop."

After we get tomato production, another problem nearly as important is to produce fruits free of various types of injury. In many gardens, half of our tomatoes are culls for various reasons. Sunscald, during July and August when temperatures are high with a strong southwest wind prevailing, causes heavy fruit losses on light-vined plants. Varieties that have good fruiting ability are often very subject to this sunscald injury since they are shy of foliage. Earlier in the summer during periods of wet weather, foliage losses often occur from diseases.

Other tomato plant problems and losses arise due to the presence of soil-borne diseases which cause a loss of foliage, stunting of plants, or in the case of wilt and nematodes, total plant loss in many cases.

Need Better Varieties

The first point for success in Kansas tomato growing is better variety selection. Many of our present varieties need to be discarded. At their time of introduction they probably were valuable. However, many of them do not carry these same values today.

In Eastern Kansas or on garden soils frequently planted to tomatoes, use of wilt-resistant varieties such as Rutgers, Marglobe, Break O' Day, or Pritchard is good insurance of plant survival. Some symptoms of wilt include yellowing of the lower leaves followed by complete loss of foliage and death of the plant. A plant with wilt will show a dark-brown discoloration of the woody tissue between the pith and the outer green portion of the stem. Wilt lives over in the soil, making the successful growing of varieties not wilt-resistant virtually impossible in some locations.

In Central and Western Kansas counties, a variety with a determinate or semi-determinate habit of growth needs to be selected to guarantee a crop. These varieties produce plants with small vine habit of growth, with light vegetative growth that produce flowers freely and usually set fruit even under adverse conditions. Extra foliage or protection is needed to keep the fruit from sunburning.

There are several useful tomato varieties for Central and Western Kansas locations, or for use wherever good set and yield have not been obtained. Sioux, Firesteel, Victor, Porter, Danmark, Bounty, Red Cloud, or similar varieties are among the most dependable varieties. If they are shy of necessary foliage, and they will be, follow a succotash style of planting. To do it, alternate one of these light foliage varieties, such as Sioux, with a Rutgers to get needed foliage for fruit protection. Later in the season the Rutgers will start to produce. Supporting the plants to stakes will help keep down sunscald injury. Do not prune the vines, however.

Stokesdale and/or Valiant are very useful tomato varieties in Eastern Kansas soils if wilt is not your problem. Market gardeners find these varieties both early and profitable. Home gardeners will find their use equally profitable.

Take a Heavy Toll

Many Eastern and Central Kansas gardens have root knot nematodes present. They take a heavy toll often unknown to the average gardener. Nematode injured plants are sickly, wilt readily in dry weather, and may lose their leaves early, thus outwardly resembling wilt in many ways. Nematodes are usually introduced into the soil by infested plants that have been shipped in. These plants develop characteristic galls or swollen areas on the roots. Many failures with tomatoes may be traced to this condition

that goes undetected, since it shows only on the root system of the plants. Changing the location in which you plant tomatoes is often the best practice to cut down on nematode injury. However, nematodes will cause damage to many other crops. In harvesting root crops such as carrots, beets, parsnips or turnips, you may recall bumps or swollen areas on these crops indicating the presence of nematodes.

Use Seed Treatment

Tomato foliage disease problems encountered during the growing season could be controlled in part by seed treatment. Soaking the seed in hot water for 25 minutes at 122 degree F. will help control many foliage and fruit diseases that cannot be entirely reached by practices such as surface seed treatment or use of clean soil for bedding and planting. In this hot-water method, have an accurate thermometer and do not overheat. The seed must be dried out at once by spreading in thin layers. This treatment does not protect against a common loss of seedlings due to damping off. The seed when dry should next be coated with cuprous oxide, Semesan, Spergon or one of the other chemicals available for this purpose.

You will notice this year that many packages of tomato seed have been given this hot-water treatment. Do not retreat this seed in hot water.

In Eastern and Central Kansas, many tomato failures are due to poor soil-growing conditions. Often the production of tomato fruits is upset by the excess of nitrates compared to the phosphorus supply available in the soil. The liberal use of manure high in available nitrates, especially poultry and sheep manures, will often prove injurious to early tomato production in Kansas. Frequent heavy applications of manure to tomato ground may not give the desired results unless this is balanced with phosphate fertilizers.

Use of phosphate fertilizers is recommended to promote both earlier fruiting and large yields. The use of from 200 to 250 pounds to the acre of a 20 per cent phosphate fertilizer or its equivalent in other phosphate fertilizers is needed. Its use will help overcome the effect of a liberal supply of nitrogen that often results in an over-vegetative plant.

Poor-quality tomato plants that are old, overgrown, and tough when planted out will fail to grow off as they should. Young, tender plants will often do better. The old plants find transplanting too much of a shock.

Now Is Quite Common

Direct seeding of tomatoes is coming into common practice in many commercial canning crop areas. Many Kansas families now follow this same practice in their home garden plantings. Many think that direct seeding will delay production several weeks behind that obtained from the use of transplanted plants. Common practical experience does not bear out this belief. Many gardeners report as early yields from plants started directly from seed as where transplanted plants are used.

In following this direct seeding practice, 4 to 6 seeds are placed in a hill a week to two weeks before the average frost-free date. Later they thin the hill to one good plant. Alternating 2 varieties in the row will give better foliage protection as well as early and late production.

Many questions are asked on the subject of hybrid tomatoes. In the next year or two, we will have answers. For the present I would suggest trying some of them. Our knowledge of hybrid corn was somewhat in the same position 15 years ago. Today we know the best corn varieties. Careful tests will bring the same needed answer in a few years on hybrid tomatoes. Try to choose hybrid tomatoes for your use that mature or develop in about the same season as your present successful varieties. That is, if you find an early season variety best adapted to your needs, choose a hybrid tomato variety that appears to have this same ability. There is just as much variation in season of maturity in tomatoes as in corn.

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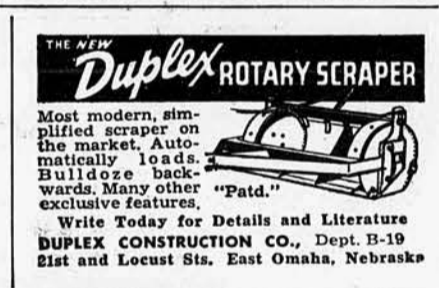
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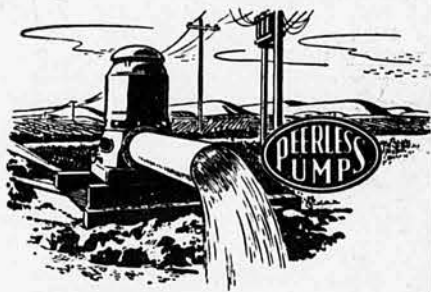
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Talk Livestock Problems

At Annual Convention Held in Wichita

RALPH PERKINS, of Howard, was elected president of the Kansas Livestock Association in its final meeting of the convention at Wichita, March 8, 9 and 10. O. W. Lynam, Burdett, was elected vice-president.

This livestock convention was one of the best in recent years and attendance was good. Convention theme was "Meat on the Table," and the various talks covered almost every phase of the livestock industry.

E. W. Phelps, general manager, Swift & Company's Kansas City Plant, pointed out that packers have the narrowest profit margin in the entire food industry. He warned stockmen against concentrating on one type of beef since consumer preference varies over the U. S. and it takes many kinds of meat to satisfy the demand. Producers should stay with the kind of cattle program that is best suited to their farms, and should not worry too much about the market as that is the packers' job," he said.

R. C. Pollock, of the National Live Stock and Meat Board, Chicago, reported that the meat industry is much better understood and received by consumers now than when the board was organized. He recalled that meat was getting very unfavorable publicity from dietitians when the board was organized because research facts on the value of meat in the diet were not known. "We now know," he said, "that meat is the richest source of vitamins, is recommended by doctors for invalids as a body builder, is a good source of iron, is now being recommended for infants 6 months old, and that lard is a better shortening than any vegetable shortening." Dietitians now are recommending lean meat for reducing diets and fat meats for gaining diets, he added.

New Selling Method

One change taking place in the meat industry, Mr. Pollock said, is the cutting up of carcasses at the packing plant and shipping of cuts to large users of meat. He predicted that self-service meat retailing will increase and be of great benefit to the industry and to the consumers.

"Self-service meat stores have learned," said Mr. Pollock, "that the woman shopper wants to know the total price of a cut rather than the price per pound. Most successful stores put the name of each cut on the package, its weight and total cost. Retailers found out," he said "that self-service meat cases move the cuts formerly hard to sell. They believe most women did not know how to call for these cuts by name under old retail methods of selling."

Dr. William A. Albrecht, chairman of the department of soils at the Missouri University, told stockmen that "We must quit thinking of crop production in terms of bulk and bushels and think in terms of protein production per acre." He said in experiments at Missouri University he had increased the tonnage of pasture forage while actually reducing the amount of protein per acre. "It isn't how much bulk the cow eats but what value the grass and other forage contains that makes her healthy and productive," he said.

"If we don't keep up the fertility of our soils we will lose the amino acids in plants and animals and they, in turn, will lose the power to reproduce," he warned.

60 Million Meals

Stockmen were told by H. L. Wortz, Wichita, fieldman for the Kansas Restaurant Association, that U. S. eating places serve 60 million meals a day and are the meat industry's best customers. "The restaurant business is the nation's third largest retail business," he said. The restaurant people of the U. S. will spend one billion dollars this year for food and half of it will go for meat. They want the top-quality choice and good grades, he concluded.

Bruce Brockett, of Rimrock, Ariz., a cattleman, told the convention that the industry is too modest in selling its products. We must not only produce good meat but do a better job of selling it and in helping educate consumers, he pointed out.

F. E. Mollin, Denver, secretary of the American National Livestock Association, called for better support of the national so a better selling job ca

be done. He pointed out that while some folks have been kicking about high meat prices in recent months, figures actually show that in good times and bad the consumer spends about 6 per cent of his income for meat.

Blame for the recent break in cattle prices was laid at the door of the Federal Government by Mr. Mollin. He pointed out that failure to reduce imports of live cattle from Canada and canned meats from South America resulted in imports equaling 1 million head of cattle during 1948.

The quarantine station set up by the U. S. on foot-and-mouth disease is not working out as a safeguard, he said, and recommended return of the former embargo act preventing import of animals from disease areas. He also blasted President Truman's request for standby controls on meat prices as too drastic to pass. Some changes probably will be made by this Congress, he said, in the present law on feeding of livestock in transit. These changes are designed to answer stockmen's criticisms.

Who Got Benefit?

E. T. Anderson, Lyon county stockman, tore into the retail and restaurant trade for not passing all of the reduction in meat prices on to consumers. "We try to produce our meat as well and as cheaply as possible," he said, "while the rest of the industry seems to be trying to see how high a price it can charge." He suggested that during the recent market crisis the restaurant industry could have stopped the market break by increasing meat servings by 3 ounces to the meal. "That would mean increased consumption of 12 million pounds of meat a day," he said.

Albert K. Mitchell, manager of the Bell Ranch, in New Mexico, predicted higher meat prices this summer, but a decline next fall and winter due to the huge increase expected this spring in hog production. "This competition of pork will force other meat prices down," he said.

C. B. Watson, president of the Illinois and Corn Belt Feeders' Association, gave a 4-point program to benefit producers, sellers and consumers. He recommended lifting of Government restrictions on lard exports, suggested that lockers and deep-freeze units be filled now against higher meat prices this summer, proposed that hotel and restaurant operators reduce prices on

From a Marketing Viewpoint

By C. P. Wilson, Livestock; John H. McCoy, Feed Grains; Paul L. Kelley, Dairy Products; Joe W. Koudele, Poultry and Eggs.

I have some lambs on feed that probably weigh 90 to 95 pounds. When should I plan on selling?—H. O.

Lamb prices advanced sharply during the week ending March 12. Top prices for old-crop woolled lambs were quoted as high as \$27.50 at Kansas City. A few new-crop lambs were bringing \$28.50. This sudden upturn in lamb prices was caused by a combination of short supplies of fat lambs along with a temporary increase in consumer demand. The volume of lambs marketed is expected to continue light until new-crop spring lambs start moving in volume. This may be a good time to sell your old-crop fed lambs since there is no assurance that consumer demand will continue as strong as indicated during the past week. There is a possibility that prices may work a little higher, but there also is a possibility of a quick downturn in prices if the markets become jittery again.

What differential do you expect between corn prices at the present and corn prices as of July 1, assuming prospects for a normal corn crop for 1949?—F. E. R.

Corn prices normally tend to rise from March to July. On the average, this rise is about 10 per cent of the March price. It should be understood that this refers to the average of a number of years and individual years often show considerable irregularity from the average. However, conditions

meat dishes to increase consumption, and that buyers for the army and navy buy and process large amounts of meat now.

Mrs. Willard Greene, Topeka, better known as "Peggy of the Flint Hills," gave a humorous talk on the housewife's view. She assured stockmen that women were doing less kicking now about meat prices, and that they will do without almost anything else in the food line before they will cut meats from the menu.

A. D. Weber, head of the animal husbandry department, Kansas State College, summarized the meeting. He said the association is fulfilling its objective of tackling those problems outside the ranch fence line. He pointed out that the livestock industry cannot stand by itself because it is affected by many outside influences. "We must study and understand those influences and know how to meet them," he concluded.

New Horse Association

Sixty-two charter members met and organized the Kansas Quarter Horse Association during the convention. Orville Burtis, Manhattan, was elected president of the new group and Mrs. Burtis was elected secretary-treasurer. Harry Wilson, Towanda, is vice-president. The organization announced its intention to "further the interest of quarter-horse breeding and to promote the use of quarter-horses in roping, cutting, racing and show events."

Hog producers and sheep producers also held separate luncheon or dinner meetings during the convention.

Here are highlights from the resolutions passed at the convention:

Urged Federal long-term, low-interest loans to livestock producers in disaster areas.

Opposed repeal of Taft-Hartley Act and urged any modifications be to interest of general public.

Protested inclusion of agricultural labor in the social security system.

Urged a "pay as you go" policy for all governments, national, state and local, and early reduction of debts.

Opposed standby price controls for the president.

Urged the passage of a more rigid brand law now being considered in the Kansas legislature.

Urged reorganization of the executive department of the Federal Government.

Called for reinstatement of daily market reports at Wichita market.

Endorsed present fund-raising campaign for state 4-H Club camp at Rock Springs.

Urged legislature to approve in full the budget for Kansas State College.

at this time indicate that a 10 per cent rise is probable this season. Such a rise would still leave prices at most country points below the loan level.

What can a producer expect the price of dairy products to be relative to most other farm commodities during the next few months?—E. B.

If it is true that we are in a downward period of price adjustment, then it seems reasonable to expect some repetition of past price relationships. In the past, dairying has been relatively more favorable than other types of farming in periods of generally declining farm prices. This would mean that one could expect the relative price of dairy products to improve in relation to costs of feed, and in relation to alternative enterprises.

What has been the cost of the egg price support program to the Government?—A. G.

The United States Government spent 38 million dollars in egg-price support operations during the 8 months that the program was necessary in 1948. In 1949, an estimated 11 million dollars have already been spent. The dried eggs purchased were used for foreign-relief feeding during 1948 at a reduced cost to relief agencies.

Assaria, in Saline county, took the name of a congregation of Swedish Lutherans, who established a church on the site of the village previous to the incorporation of the town. It means, "In God is our help."

"Fair Deal" Program Snags

(Continued from Page 5)

Social Council of UN) by the Security Council. ECO could then parcel it out to UNICEF, U.N.A.C., I.L.O., F.A.O., UNESCO, I.C.A.O., WHO, U.P.U., I.T.U., I.T.O., I.M.C.O., I.M.F., I.B.R.D., E.C.E., E.C.L.A., E.C.A.F.E., and perhaps some other alphabetical agencies of the UN.

By the time all those organizations have taken a whack at the bold new program for leveling off the backward areas, and the more prosperous non-backward areas of the world, thru their many and various subcommittees, the bold new program may be ready for Congressional consideration by some Congress later than the present Eighty-first.

Not the least of the troubles of the United Nations Organization seems to be that the mania for expansion has resulted in the UN attempting to cover too much territory. More specifically, it was supposed when the Charter was written at San Francisco that the purpose of UNO was to bring about a peaceful world thru international co-operation and agreements. But a goodly number of its subdivisions have been drawing up programs for UN direction of changes in the internal affairs of member nations; changing their patterns of government, their traditions, their dealing with their own nationals (citizens to some), and their social and economic systems, their way of life generally, to conform to some, so far, rather nebulous world pattern which the UN itself has not yet begun to define.

The two domestic sections of the Administration three-in-one panacea, in other words, seem to be getting no farther no faster in the Democrat Eighty-first Congress than in the Republican Eightieth Congress.

Last July, when he recalled the Eightieth Congress into special session to give it a chance to enact his social-welfare and price- and wage-control program into laws, President Truman announced the Eightieth Congress could do it all in 15 days. The Eighty-first Congress has been in session 75 calendar days—5 times that long. And beyond increasing the President's salary and expense allowances, enjoying a Senate filibuster, and changing the House rules in the interest of speeding legislation (for the benefit of Rep. John Rankin, Miss., Dixiecrat, as it turned out) has done nothing more for the Truman social-welfare and control programs than the Eightieth did.

However, the Eighty-first Congress, once the breach between the President's Big City pressure groups and his Southern Democrats has been healed, might get down to business and do all the President asks. But if it does, everybody, including the White House, will be surprised. But everybody, including the White House, enjoyed a wonderful surprise last November 2, so there is one precedent in the line of surprises, at least.

The upward swing for which the Administration has been waiting to make up its mind on the farm price-support program has swung, moderately.

"Prices of farm products recovered part of the sharp decline which occurred in early February," the BAE reports (Demand and Price Situation, released last week) "but average prices received by farmers February 15 still were 4 per cent lower than in mid-January."



"We just wanted to see how well the snow plow works."

"Since mid-July prices received by farmers have declined an average of 2 per cent a month. They are now 16 per cent below the January, 1948, peak.

"For the most part, declines during 1948 and in early 1949 represented adjustments to sharply increased supplies of many agricultural commodities and substantial improvement in the world food situation." (Recognition of the "outdated" law of supply and demand?)

"Average prices received by farmers on February 15 were the lowest in more than 2 years. The BAE index of prices received was 258 (1909-14 being 100 in the index).

"Average prices paid by farmers, including taxes and interest, in mid-February also were down from a month earlier. Was 245, off 3 points from January and February, 1948. . . . As a result of the greater decline in prices received than prices paid, the parity ratio (index of prices received and prices paid, interest and taxes) declined to 105 in mid-February, the lowest since 1942."

Exports of grain for the current marketing year (ending next June 30) promise to hit 700 million bushels, compared to 588 million bushels last year, which was the record to that time.

Even with these record exports, due to Government buying for foreign relief, it looks like wheat and corn, particularly corn, will continue "two price" systems this year and next (barring crop failures or unexpected foreign demand).

We've had a two-price system on corn since last October, Wayne Darrow points out in his weekly FARM-LETTER. Farm price averaged \$1.20 November thru February—75.7 per cent of parity and 24 cents under the loan; the average spread ranged from 19 cents in January to 32 cents in February.

Wheat has fared better (took its big drop more than a year ago), in relation of loan to farm price. Price has slipped below loan, at times, but has hung pretty close to loan value, on monthly averages since harvest rush.

Crop controls—at any rate acreage allotments—look to be in order for next year's crops. Those made will be set this year, but will apply to 1950 crops. Wheat is to be first up. Marketing quotas are not expected to be imposed (proclamation due July 1, if any). Acreage allotments can be held off until July 15. Talk in Department is it may be cut 20 per cent, from around 81 million acres to about 65 million. Reduction will be less if Department thinks it at all safe.

Support prices will be slightly lower for basic crops the coming year than this year; considerably lower on some others, based on expectation that parity index will drop a few percentage points.

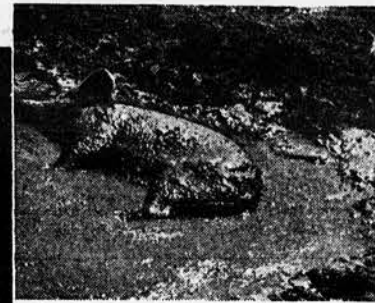
Wayne Darrow, whose Farm Reports, Inc., does some pretty accurate figuring, estimates that support price for wheat will be about \$1.95 a bushel; corn, \$1.39; rice, \$1.79; all 3 down 5 cents or so; cotton, 27.34 cents a pound (7/8 middling) nearly 1 1/2 cents lower; peanuts, 10 1/2 cents a pound compared to 10.8 cents this season; flue-cured tobacco down 8/10 cent to 43.1 cents a pound; burley, 40.3 cents, down 2.1 cents.

On 4 commodities, price floors can range between 60 and 90 per cent of parity; soybeans, between \$2.07 and \$1.38 a bushel (\$2.18 on 1948) top price reasonably certain; dry edible beans, \$7.40 to \$4.95 a bag (\$7.70 for 1948 crop); dry edible peas \$4.50 to \$3 a bag (\$4.70 on 1948); turkeys, 31 cents to 20.7 cents a pound, if support is required at all.

Darrow believes loan rates for grain sorghums, barley and oats will be set on basis of their feeding value in relation to corn, rate of 70 to 75 per cent of parity now being talked. Southwest Congressmen want full 90 per cent.

Hog-price floors are to be announced within the next 10 days; should range from about \$16.25 (Chicago) in May and June to \$18.25 late August and September. Darrow estimates about \$16.35 for 1949 spring pig crop, on basis of 2 per cent drop in parity index by next September 15.

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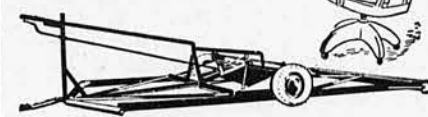
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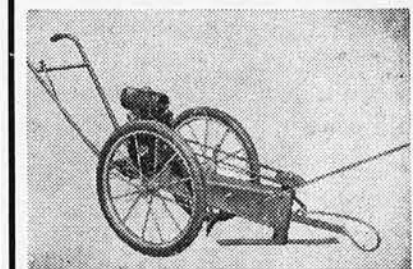
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Rodeo Season

(Continued from Page 33)

Promoting is tougher than riding, says Ken, who ought to know. The promoter must carry his stock the year around. His winters are spent caring for the stock and promoting shows for the next season. Then, starting in the spring, he must keep his show operating and his stock in condition. Transporting stock from show to show is done by rail.

It takes from 150 to 200 head of horses, broncs, steers and calves to run an average-size show thru the season. Roberts keeps 200 head of broncs. They use half of them for several weeks, then bring in a fresh string. "One or 2 broncs quit bucking at every show," says Ken, "and must be sold."

Most of the good broncs come from the Dakotas as wild horses still are available there. A cold climate is important, too, in producing a good bucking horse, Ken explains. Some southern promoters ship their bucking stock north during the winter to "freeze them out" so they will be lively during the season.

Buy Carloads of Horses

Ken and his father buy broncs by the carload at \$25 to \$30 a head, but may get only one or 2 top bucking horses out of a load. There is little or no market for the poor ones and they often take a loss when selling them off.

Some of the best bucking horses, however, may be found on local farms. Take Wigwam, for instance. He is one of the top bucking horses in the Roberts string. No cowboy was able to stick on Wigwam the required 10 seconds during all of 1946. The world's champion bronc rider was the first one to stick in 1947. Yet, back in 1944, a 12-year-old Chase county schoolboy rode the horse bareback to school all winter.

"Some horses start out as terrific buckers but soon give up, while others start slow and get better all the time," says Ken. "A horse has to have a fighting heart and like to buck. A tame horse like Wigwam that turns mean often proves to be the best at learning all the tricks." Schoolboy Rowe, the top bucking horse in the Roberts string, is gentle to handle but almost impossible to ride.

Have Their "Off" Days

Both horses and cowboys have their off days, too, Ken says. "Any horse can be ridden on some days. Then there are days when the top cowboys will be thrown from almost every horse they ride."

While poor-bucking horses are a bad investment to a promoter, steers and calves usually pay out. The calves are sold on the market when they get too big for roping, and the steers usually can be sold for as much as they cost.

The Roberts company handled 16 professional rodeos in Kansas in 1948 and supplied the stock for the amateur intercollegiate rodeo at Manhattan.

Ken is particularly interested in these young college riders. He also is sympathetic to local farm boy riders wherever he is putting on a show. "Most professional shows don't have amateur events but I like them," says Ken, "and this year I am going to try to have at least one amateur riding event at every show. The local boys can't afford to plank down entry fees to compete against professionals, and yet they may be our future stars if given a break."

In addition to having amateur events at his professional shows, Ken would like to see college rodeos expanded. To encourage amateurs, he is awarding a

Ken Roberts trophy this year to the best Kansas amateur bronc rider. The award will include competition in college shows, amateur events in Kansas professional shows and the amateur riding event at Cheyenne, Wyo., which is the only major show having an amateur event.

Where do the best cowboys come from? Not from Texas, as you might expect. "The best riders come from the northern range states," Ken explains, "while the best ropers and bulldoggers come from the southern range states." No southern cowhand ever has won the riding event at Cheyenne, considered the toughest bronc event in the U. S.

USDA Bulletins

If in need of information contained in the following USDA publications, Kansas Farmer's Bulletin Service will be glad to send free copies to anyone requesting them. Please order by number.

- No. AIS-64—Home Canning of Fruits and Vegetables.
- No. FB 1914—Diseases of Swine.
- No. FB 1950—Sewage and Garbage Disposal on the Farm.
- No. FB 1968—Pattern Alteration (for the woman who sews).
- No. FB 1978—Safe Water for the Farm.

The first rodeo ever held in Kansas probably was at Kingman, Ken believes. Phillipsburg is one of the pioneers and The Flint Hills Rodeo, at Strong City, may be the oldest continuous show, having operated for 12 successive years.

Rodeos are growing in number and size in Kansas, and elsewhere, as major sporting events. Perhaps you'll enjoy the next one more now that you have had a peek behind the scenes.

Kansas Rodeo Team

A rodeo team representing Kansas State College will enter the national intercollegiate rodeo in the Cow Palace in San Francisco, April 9 and 10, Sam Koury, Wilmore, president of the Chaparajos Club, announced.

The K-State student council has approved funds necessary to send 6 men to the rodeo, Koury said. "Those to represent the State College will be chosen soon."

At the San Francisco rodeo college cowboys are to participate in bull riding, bulldogging, bareback bronc riding, saddle bronc riding, calf roping and ribbon roping. (Two cowboys attempt to recover a ribbon from a wild steer's tail).

The K-State rodeo team also has been invited to participate in a rodeo at Oklahoma A. and M. in Stillwater, April 15 and 16; University of Wyoming in Laramie, May 14; and Trinidad (Colo.) State College, May 27.

The Chaparajos Club at Kansas State also is sponsoring a rodeo in Manhattan, April 22, 23 and 24.

Students who may represent the college at San Francisco include John Finley, St. Francis; Dick Jepson, Castleton; Sam Koury, Wilmore; Darold Marlow, Alden and Phil Hull, Virgil. Members of the team have not been named, Koury emphasized.

A Valuable Crop

A. W. Heitschmidt, Ellsworth county farmer, has found many ways to cash in on sweet clover.

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Germination 87% Purity 99.5% \$7.50 per cwt. L. B. HARDEN, Centralia, Nemaha Co., Kansas

Kansas Certified Hybrids

K-2234 (white) \$10.00, K-1639-K-1784 (yellow) \$9.00. Good quality and high germination. Freight prepaid. ERNEST BAUER, Broughton, Kan.

CERTIFIED SEEDS

Westland Milo and Norkan Cane F. E. HARNDON, Liberal, Kan.

CERTIFIED KANSAS HYBRIDS

K2234 White, K1639 Yellow
These are top yielding hybrids. Consult your County Agent's variety test. Also Certified Buffalo Alfalfa. HERBERT NILES, Lebo, Kansas

Kansas Certified Hybrids-K-1639, K-1784, U. S. 13 Flats \$9.00, Rounds \$5.50. Freight prepaid. Dealers write for prices. Otto Rosenau, Eudora, Kan.

Certified Red Kafir, germination 92%, 4c lb. U. S. 13 and K-1784 hybrid seed corn, \$7 flats. Alvin Morgan, Osage City, Kan. Elbert Horton, Lebo, Kan.

Certified Seed for Sale: Atlas, Blackhull Kafir, Axtell Sorgo and Soybeans, K-1784, K-1585, K-2234 Seed Corn. J. E. Sowder Seed Co., Toronto, Kan.

Certified Clinton Seed Oats in 3-bushel bags. Small lots \$1.75 per bushel, 10 bags or more \$1.65 per bushel. W. H. Edson, Olathe, Kan.

Certified Flynn Barley, 95% germination, \$2.25 bushel in 2-bushel bags. Laurence Woolley, Osborne, Kan.

PLANTS AND NURSERY STOCK

50 Two-Year Concord grapevines \$4.00, list free. Ponzer Nursery, Rolla, Mo.

FILMS AND PRINTS

3c Deckledge Reprints 3c

Beautiful Velox Deckledge prints made from your negatives only 3c each. 6 or 8 Exposure rolls developed and printed on deckledge paper 25c. Arctar DeLux enlargements three 6x7 only 50c. Four 8x10 enlargements from negatives \$1.00. Your favorite photo copied and 10 printed made 65c. SUMMERS STUDIO, Unionville, Mo.

16 Enlarged Jumbo Oversize Prints from any 6-, 8-, 12- or 16-exposure roll film developed only 35c and this ad. Free coupon. Modern Electronics Co., River Grove, Ill.

This Ad Plus 35c gives you 16 Jumbo, oversize, enlarged prints from any roll developed. Enlargement coupon free. Skrudland, 6444-H Diversey, Chicago.

Three Prints Each 8-exposure roll 40c. Two each 35c. One each 25c. Reprints 3c. L. V. Eastman, Bode, Iowa.

This Ad and 25c gets you 10 oversize reprints or 5 - 4x6 enlargements. Jumbo Printers, Lake Geneva 5, Wisc.

REMEDIES-TREATMENT

Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCleary Clinic and Hospital, E340, Excelsior Springs, Mo.

Sick! Herbs for Health. Free book. Write Woodland Herbs, Bay Port 9, Mich.

OF INTEREST TO WOMEN

Hooked Rug Patterns on high grade burlap. Reasonable prices. 26-page instruction Book and Catalog. 25c. Wilson Bros., Dept. 19, Springfield, Mo.

Quilt Pieces-Tubfast Cotton Prints 2 pounds and Pattern Book \$1.00 postpaid, 4 pounds \$1.90, also yard goods. Wayne Fox, Pleasanton, N. J.

Eastside Maternity-Seclusion Hospital for unmarried girls. State licensed. Working reduces expenses. 4911 E. 27th. Kansas City, Mo.

MISCELLANEOUS

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K, Topeka, Kansas.

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

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

FARMS-KANSAS

Country Home, 70 acres fenced, 4-ft. woven wire. Two large barns. Large chicken house, 2 brooder houses. Plenty water. Modern 6-room house, electricity, 4 miles town. 3/4 mile highway 166. Priced to sell. L. H. Baldwin, Baxter Springs, Kan.

160 Acres-1 mile town and high school, on main highway, level upland, 100 plowed, 60 good pasture, 50 in wheat goes, good buildings, electricity, \$14,000. T. B. Godsey, Emporia, Kan.

FARMS-MISCELLANEOUS

Close to Town... tractor-equipped 200 Kansas acres watered by spring and pond, good improvements, quality buy at \$12,250 including International tractor, farming equipment, hay time of sale! Gravel RFD road, school bus, creamery routes, 3 miles town, few minutes popular river; 150 tillable, includes 40 bottom, good bluestem and lespedeza pasture; comfortable income reported; 6-room house, electricity, gas, well, good 30:40 barn, 50-ft. poultry house, 12x20 brooder house, cement-floored garage, 40-ft. granary, 12x40 machine shed; retiring owner's stand-off, \$12,250 equipped, only \$4,000 down will handle. Details page 61 big free Spring catalog many states. United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

Just Out! Strout's New Farm Catalog! Spring-Summer Time and Money-saver-Free! Describes 2,790 bargains-equipment and unequipped dairy, beef, grain, alfalfa, truck, fruit, poultry farms. 35 state Coast-to-Coast. Write now for your free copy! Strout Realty, 20 West 9th St., Kansas City 6, Mo.

240 Acres Near Las Animas, Colorado. Level sandy loam. 175 acres irrigated. Good improvements. Price \$15,000. Possession. Louis Miller, Frankfort, Ind.

Scenic Ozarks Forty, highway, REA, 2 miles town, near school, river, 7-room home, fruit, plentiful water. Box 307, Lebanon, Mo.

April 2 Will Be Our Next Issue
Ads for the Classified and Livestock Section must be in our hands by Saturday, March 26
If your ad is late, send it in Special Delivery to 912 Kansas Ave.

Advertising Certainly Pays Sold Out
"Please discontinue my oats ad... I am sold out of both the Nemaha and Neosho oats. A careful recheck of the sales shows that of the several advertising mediums I used KANSAS FARMER MADE 74% of the Sales. I want to thank you for this remarkable showing." VICTOR DOUBRAVA

Clover Doubled Crop Yields

TWENTY years of sweet clover. What would that do for your land? Ask Robert G. Meyer, Cowley county. It has more than doubled his crop yield and his land is in the blue stem region, not as well adapted to high crop yields as many Kansas soils.

It was 21 years ago that Mr. Meyer moved to his present farm. He said he had read sweet clover would improve soil, so he started right out on an improvement program. At first he had difficulty in getting stands. Once he covered seed too deeply. Another time a dashing rain just after seeding time prevented a stand. But he kept on seeding sweet clover.

Clover made an improvement in grain yields, he reports. But the real improvement came after 1940 when he started using commercial fertilizer along with the legume. And, after adding phosphate to his soil, he figured the demand for nitrogen would be greater. So he stepped up his clover rotation to a point that is quite unusual in Kansas today.

Meyer seeds wheat and clover in direct rotation. He seeds sweet clover in the wheat, takes a seed crop of clover, then goes back to wheat. Another plan calls for a rotation of corn, oats and sweet clover. Then he interchanges the 2 rotations for weed control.

All his ground has been limed. He uses 50 pounds of 45 per cent or 100 pounds of 20 per cent superphosphate an acre on wheat and oats. With corn last year he used 300 pounds of 4-12-4 mixed fertilizer.

Look at his yields. Wheat on his farm makes from 25 to 45 bushels an acre. Without that rotation and fertilizer 5 to 10 bushels would be a good average, he claims. When he first started to work his present farm he plowed up new ground for corn. It made 20 bushels an acre, and that was about average in that area. Now he gets 40 bushels an acre. Last year his corn made 60 bushels. A 20-bushel crop of oats is good in that soil, but his makes 40 bushels.

And to top that off, Mr. Meyer believes in light seeding. He seeds 40 pounds of wheat an acre where a bushel or a bushel and a peck is the rule. He started that 15 or 16 years ago.

When he first started farming he noticed wheat on double-seeded corners was usually short and heads smaller. One fall moisture was deficient and wheat didn't come up. It was an extremely thin stand, just spots here and there, he says. But that wheat stood out and made 20 bushels.

His wheat crops are still stooling out for big yields. But it is his fertility program that makes it possible and produces high yields.

Rolling Repair Shops

Down in Texas more than a score of World War II veterans in the area served by the Upshur REA are operating portable repair shops. These shops, mounted on trucks and carrying equipment that can be connected to farm electrical outlets, are equipped with everything from a sturdy workbench to a stock of machine and plow bolts.

Steel shelves in the rear carry welding rods, pipe dies, pipe vise, chain hoist, socket set, and tap and die set. Bolted to one wall are oxygen and acetylene tanks for welding. These veterans are equipped and trained to tackle any repair job within reason right on the farm or ranch.

Training these veterans is under supervision of the Texas Vocational Agriculture Department.

Hog Price Support

Hog prices will be supported at 90 per cent of parity thru March, 1950. Russell Reitz of the state production and marketing office, at Manhattan, announces.

The U. S. goal for the 1949 spring pig crop is 60 million pigs, 17 per cent more than for the spring of 1948, Reitz said. Farmers' reports indicate they intend to farrow 14 per cent more sows this spring than a year earlier.

To Hold Screws

To insert screws in plaster walls where there is no wood, make a hole twice the size of the screw or hook, and fill with fresh plaster of Paris and set the screw.-Mrs. C. B.

HOGS

Buy Missouri Hampshires



100 HAMPSHIRE BRED GILTS—

The top of 300 head raised last year.

50 Reg. Gilts—50 Purebred, Non-Reg. Gilts These gilts are sired by good boars and bred to good boars. Our herd boars have been selected with discrimination from the O'Bryan herd, Hiattville, Kan.

SALE DAY is SATURDAY, MARCH 26 Auction will be held in the comfortable sales pavilion at the farm 14 miles east of **CARTHAGE, MISSOURI, on Highway 66**

We are selling 8 REGISTERED ABERDEEN-ANGUS BULLS two years old and ready for service.

NOTE: Bred gilts and bulls sold in breeding condition just like you want them. We keep the gilts on clean alfalfa pasture until they are ready to farrow. Write quickly for sale catalog to

SUNNYLAND FARMS, Avilla, Missouri
W. D. EARNST & SON, Owners
Auctioneer—Bert Powell

BERGSTEN'S Improved Hampshires

Now offering outstanding Fall Boars. Immune and registered. New breeding for old customers.

R. E. BERGSTEN & SONS, Randolph, Kan.

ETHYLEDALE FARM Bred and open gilts, same breeding as winners in Carcass Contest at American Royal. Established type. See them.
DALE SCHEEL Emporia, Kan.
PRODUCTION HAMPSHIRE

CHOICE POLAND CHINA BRED GILTS

to farrow last of March and first of April. Sired by Black Prince by Black King and bred to Desirable Limestone.

RAY SAYLOR & SONS
Rt. 3 Manhattan, Kan.

REGISTERED SPOTTED POLAND CHINA BRED GILTS

to farrow last of March and first of April. Also fall boars and gilts; top quality, efficient pork producers.

CARL BILLMAN, Holton, Kan.

SPOTTED POLAND CHINA BOARS

Ready for service. Sows and gilts sired by or bred to Buster Boy and his helper, Advancer Grandview Supreme. Weanling pigs champion breeding.
DALE KONKEL, Haviland, Kansas

Poland China Bred Gilts

for March and April farrow, mated to Gladstone and Copyright. Also fall boars sired by Desirable and Copyright. Write
BAUER BROS., Gladstone, Nebr.

REG. SPOTTED POLANDS

Choice fall boars sired by "Pawnee Sunset."
SUNNYBROOK FARM, Richland, Kansas
H. E. Holliday, Owner

Spotted Poland China Gilts

Bred for March farrow. Also a few late fall boars. Double immune. See or write
RANDALL TUCKER, Codell, Kansas

REG. SPOTTED POLANDS

Choice, blocky, heavy boned fall boars. Serviceable age, also unrelated gilts.
EVERGREEN FARMS, HERBERT HOLLIDAY
Berryton, Kansas

BOOKING ORDERS for Registered Blocky Taped Weanlings
PETERSON & SONS
Osage City, Kan.

Good Duroc Fall Boars

Sired by He'll Do. They are dark red, straight legged, deep bodied, good doing kind. Registered, cholera immune. Ready for service now. We are 11 miles south of St. Joseph, Mo., on 71 highway. Inquire of

FRED FARRIS, FAUCETT, MO.

SHEPHERD'S SUPERIOR DUROCS Offering excellent Bred Gilts sired by or bred to Super-Spotlight, Lo Thickmaster, Perfect Trend for latter February and March farrow. Also serviceable boars—big thick, deep bodied. Real Red heavy hammed. Visitors say "Best I ever saw." None better. Registered. Immuned. See these or write before buying elsewhere. Durocs only since 1904. Prices right. G. M. Shepherd, Lyons, Kan.

DUROC BRED GILTS AND BOARS All ages, by Top Crown by the Illinois champion Crown Prince. Satisfaction or your money back. Best we ever raised.
BEN M. HOOK & SON, Silver Lake, Kansas

Coming Events

March 19—Chase county 4-H Club day.
March 19—Seward county 4-H festival.
March 19—Lane county 4-H Club day.
March 21—Johnson county fruit and vegetable meeting, W. G. Amstein, leader.

March 21—Jackson county tractor maintenance school, Holton.

March 22-23—Seward county. Five-state farm forum, Liberal.

March 23—Norton county crops, livestock and insect school, also outlook. Norton, 10 a. m.

March 24—Jewell county district county planning meeting, Mankato, C. R. Jaccard.

March 24—Johnson county clothing meeting, Christine Wiggins, leader.

March 24—Shawnee county third stag night, Garfield Park shelterhouse. 7 p. m. Program, power farming. Phone 8682 for reservations.

March 24—Allen county district publicity school for Extension agents, Tola.

March 25—Lyon county tractor maintenance program for 4-H members and adults.

March 26—Lyon county 4-H festival, Emporia.

March 26—Jewell county sub-district 4-H day.

March 29—Johnson county farm management and farm and home planning meeting. Steve Love and Gladys Myers, leaders.

March 30—Johnson county clothing meeting, Christine Wiggins, leader.

March 30—Chautauqua county engineering meeting, "Tillage Demonstrations," Walter Selby, leader.

March 31-April 1—Mitchell county sectional farm and home week, Beloit Municipal building.

April 2—Osborne county cattlemen's association annual meeting, Osborne.

April 6—Pottawatomie county farm management summary, Westmoreland.

April 7—Jewell county 4-H Club meeting, Elsie Border, leader.

April 9—Chase county spring beef show, fairgrounds, Cottonwood Falls.

April 9—District 4-H Club day, Hays.

April 14—Jewell county, farm management summary and analysis meeting, leaders, Paul Griffith, Gladys Myers.

Those Alkali Spots

I have some spots in my field which seem to be alkaline and do not produce crops. Is there anything that can be put on these spots to sweeten the ground or make them produce? They have to be worked with rest of land.—E. C. McDaniel, Barber Co.

I suggest you send us a sample of soil from one of these spots and also send us a description of the spot, including the color of the surface. However, from the brief description given it appears these are alkali spots that occur rather frequently in many sections of the state.

If that actually is the case it will be very difficult to correct the condition, since on non-irrigated areas we have to depend on natural rainfall to leach the undesirable constituents out of the soil. Usually on these alkali spots it is a case of having too much salt which has to be removed in order to correct the condition. It sometimes is possible to correct the conditions temporarily at least by incorporating a relatively large quantity of barnyard manure or other type of organic material.

Occasionally these spots will respond to an application of gypsum or sulfur.—H. E. Myers, KSC.

For the Redbud

Will you please send me any information on the propagation of trees and shrubs. I was given some Redbud seed and don't know how to treat them.—Mrs. C. L. Green, Smith Co.

Redbud seed requires no special treatment if planted in the fall. If you plant it this spring, it may be treated by placing it in a pail and pouring boiling water on it, let it stand until the water is cool then plant the seed.—Ray A. Keen, KSC.

CHOICE DUROC FALL GILTS Mostly by Artese Market Sensation. Growthy and typy. Several out of a sensational litter of 17. Same type as the top boar Mid-Kansas sale.
HERMAN POPP, Haven, Kansas

REGISTERED QUALITY HEREFORD HOGS

Offering choice Fall Boars and Gilts, good breed, type and best of ancestors.
ROY HUBBARD, Junction City, Kansas

HAMPSHIRE FALL BOARS We have a good selection of the real packer-feeder-breeder type fall boars. They are sired by our good herd boars that have sired so many champion barrows at leading shows. Vaccinated for cholera. Registered. Priced \$75 to \$150. F.O.B. Hiattville.
O'BRYAN RANCH HIATTVILLE, KANSAS

Mid-Kansas Presents--- TWO OUTSTANDING EVENTS!

Ninth Annual Spring Sale WEDNESDAY, APRIL 12

State Fairgrounds, Hutchinson Show 9:00 A. M. — Sale 1:00 P. M. 12 Bulls and 45 Females

A grand lot of young cattle. Popular and proven bloodlines with years of profitable production ahead of them. We invite you to attend this sale. H. L. Ficken, Sale Manager, Bison, Kansas.

Annual Spring Field Day FRIDAY, APRIL 1—10:00

Lloyd Ericsson Farm, 4 miles west 2 miles north and 1/2 east of Marquette, Kansas. We invite you to this popular event. See our cattle. They are making Mid-Kansas herds better every year. If you have never seen the Kanapolis Reservoir, do so on this day—its only a few minutes drive.

Mid-Kansas Aberdeen Angus Breeders' Association
Irwin Thalman, Haven, President Phil Sterling, Canton, Secretary



For Top Shorthorns Attend the Central Kansas Sale and Show Hutchinson, Wednesday, March 23

20 Breeders consign 53 HEAD (none better bred), Quality to Match 27 BULLS — 26 FEMALES

For catalog write

FRANK LESLIE, Sale Mgr., 516 West 15th St., Hutchinson, Kan.
Auctioneer: Bert Powell Mike and Jess with Kansas Farmer

FREE BOOKLET tells why... WIN-DEL Herefords are better for you

Please send me your free, illustrated booklet telling all about Win-Del operations and the type of calves we market annually.

STOP at the ranch. See our calves & yearlings. NAME _____ POST OFFICE _____

WIN-DEL RANCHES
Colorado Springs, Colo.
DEL LICHTENBERG MAIN 0205 R1

Jones and Kleinschmidt Hereford Sale

(Dickinson Co. Sale Pavilion)

Abilene, Kansas, March 26



40 HEAD, 6 bulls 10 to 18 months, 19 Cows and Heifers bred to or sired by prize winning herd bulls, 15 open heifers. Same type and breeding as previous prize winners in our herds.

Our herd bulls were first in class at 1948 Dickinson County Spring Show. More cattle selling in this sale carry the blood of WHR TREDWAY 8th than in any previous sale to be held in Kansas. Both herds have been heavy winners in strong shows. Selling in nice breeding form without fitting.

For catalog write either of us

JONES HEREFORD FARM, Detroit, Kansas
LOUIS KLEINSCHMIDT, Hope, Kansas

Auct.—Ross B. Schauls

Mike Wilson with Kansas Farmer

Dairy CATTLE

REGISTERED AYRSHIRES
Bull and Heifer Calves sired by Locust Lea Nick, 3 times grand champion at the Kansas State Fair, and out of dams that classified Ex. and Very Good, with records of 400-500 Fat. (305 days). Heifers suitable for 4-H projects.
PRAIRIE BELLE FARM
Lancaster, Kansas

FREE "BREEDING GUERNSEY CATTLE"

SEND for valuable booklet on profitable Guernsey breeding. There's always a ready market for quality Guernsey offspring and an ever-increasing demand for premium-priced GOLDEN GUERNSEY MILK. **THE AMERICAN GUERNSEY CATTLE CLUB**
925 Grove St., Peterborough, N. H.

REG. GUERNSEY HERD BULL Coming 2 years old, Jr. Champion Franklin Co. Fair, 1948. Dam's record 10,845 milk, 559.1 fat, 305 days 2X. Paternal sisters making 400 to 550 BF at 2 and 3 years old. Production and type. Price \$3.50.
WAYNE E. REICHARD, Homewood, Kansas

REGISTERED GUERNSEYS Since 1906 High Production. Correct Type. Popular Bloodlines.
Ransom Farm, Homewood (Franklin Co.), Kan.

Reliable Advertisers Only are accepted in Kansas Farmer

Dairy CATTLE

Offering Reg. HOLSTEIN COWS and YOUNG BULLS

We can spare 3 or 4 1st and 2d calf heifers. They are making records of 400 to 500 lbs. of butterfat this year. All sired by proven bulls and backed by generations of high record dams. Priced to sell.

We also offer young bulls up to 9 months of age. Their dams have records up to 670 lbs. of fat. Prices start at \$250.
ERNEST A. REED & SONS, Lyons, Kansas

YOUNG HOLSTEIN BULL FOR SALE

Registered, 8 months old, and out of a high-producing dam. His sire was the good breeding bull, Mt. Joseph Tidy Vene Vern.
LAURENCE KOCH, Clyde, Kansas

SMOKY VALLEY HOLSTEINS

For Sale—2 service-age bulls from high-producing cows and proven sire. Inquire of
W. G. BIRCHER, Ellsworth, Kan.

BULL CALVES FOR SALE

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

FREE Weed Control Counsel Service

Helps you control weeds on your farm

- 1 Just write us the questions that bother you
- 2 We'll answer them, free of cost or obligation

Does Not Clog Sprayer Nozzles

DR. SALSBUARY'S Weed-Kill



2,4-D (Amine Form)

Dr. Salsbury's Weed-Kill, (Amine form) contains a special agent that prevents precipitation of 2,4-D. Gives you effective weed control . . . with trouble-free application. Especially formulated for use with the hardest waters.

Weed-Kill is the favorite of many successful farmers in your area. So, for easier . . . more effective weed control, buy Dr. Salsbury's Weed-Kill, today. Available in either Amine or Ester forms. At hatcheries, drug, feed stores, elevators and implement dealers.

A Name You Can Depend Upon
DR. SALSBUARY'S LABORATORIES
Charles City, Iowa

Fill Out and Mail Us this "Question and Answer" Coupon . . .

Write on the Margin of This Advertisement Other Questions You Want Answered

Check the questions you want answered:

- Is it safe to spray Minerva flax with 2,4-D? ()
- When should 2,4-D be applied to winter wheat? ()
- How much 2,4-D should be applied to field bindweed in spring wheat? ()
- At what growth stage should 2,4-D be applied on oats? () On corn? ()
- Is there a toxic effect on the soil from use of 2,4-D? ()
- Has there been a lot of crop damage from use of 2,4-D, both to the crops sprayed and to adjacent crops? ()
- How much care must be used in applying 2,4-D to insure against an overdose? ()
- How much will it cost me, per acre, to use 2,4-D? () I plan to spray . . . acres.
- What kind of 2,4-D should I use—"Ester" or "Amine"—on the following kinds of weeds on my farm . . .

Check these and write other questions you may want answered. Tear out coupon, sign your name and address and mail at once to Dr. Salsbury's Laboratories, Charles City, Iowa

Name

Address

R.F.D. State

IN THE FIELD



Jesse R. Johnson
Topeka, Kansas
Livestock Editor

and MIKE WILSON, Livestock Fieldman, Muscotah, Kansas.

HAROLD ROHRER, breeder of registered Milking Shorthorn cattle, at Junction City, purchased a yearling herd bull for \$150 and last fall resold him at 4 1/2 years old for beef off of grass in the Junction City community sale. He weighed 2,210 pounds and brought a total of \$537, the highest priced bull ever sold on that market. About 30 head of his offspring have been sold from the farm for about \$3,000 and 10 heifers and 3 bulls sired by him are still on the farm.

FRANK LESLIE, for years one of the prominent Shorthorn breeders of South Central Kansas, now living at Hutchinson, has been ill in a Hutchinson hospital but has now returned to his home and is getting around again. Mr. Leslie formerly maintained quite a large herd on his farm near Sterling. He has been reducing the herd for some time. Since moving to town he has more spare time and continues to serve as secretary of the Central Kansas Shorthorn Breeders' Association. A recent letter brought material for advertising the Association's big annual sale.

The **KANSAS STATE HEREFORD SALE** was held in Hutchinson, on February 21. Fifty-seven head of Herefords were offered in this consignment. Seventeen females in the auction averaged \$361. The top female was Lot 57, Comprest Lay 220th, consigned by Lappin Bros., at Jetmore, and was purchased by Broken Winecup Ranch, at Marion, for \$825. Forty bulls averaged \$484. Top bull, Lot 5, Royal Tone, consigned by the Kansas State College, sold at \$1,550 to AL-Mae Farm, of Claflin. The 57 Herefords sold in this auction beat their 1948 average by \$53 a head. The general average was \$447 a head.

MARSHALL COUNTY HEREFORD BREEDERS gathered at Marysville, on March 7, for their annual spring show and sale. The morning was spent in placing the cattle in the various age groups. This work was done by Lot Taylor, of Kansas State College. Harold Stump, of Blue Rapids, was successful in showing the champion and top-selling bull. He was purchased by R. B. Cole, of Washington, for \$760. Mr. Stump also showed the champion and top-selling female. Lowell Henry, of Blue Rapids, purchased this good daughter of WHR Sufficiency 17th at \$500. A \$328 average was made on the bulls sold. Females did \$325, and a general average of \$327 was made on the entire offering.

On February 14, the **KANSAS POLAND CHINA BREEDERS** held their Annual Bred Gilt sale, at the Rezac Sale Barn, in St. Marys. Most of the roads in Eastern Kansas were covered with ice, therefore several consignors were unable to get their hogs to the sale. Driving was very difficult and kept many prospective buyers away from the sale. However, this was the best sale ever held by this organization. The top gilt of the sale, consigned by C. R. Rowe & Son, Scranton, was purchased by O. G. Smith & Sons, of Moran, for \$255. Mr. Rowe also consigned the second top-selling gilt at \$250, going to the same firm. Henry J. Hain, of Spearville, purchased the top fall boar at \$160. This pig was also consigned by Mr. Rowe. The bred gilts made a general average of \$135 a head. Mike Wilson was the auctioneer and was assisted by livestock press representatives.

Officers for the **KANSAS MILKING SHORTHORN SOCIETY** for 1949 have been elected as follows: Joe Hunter, Geneseo, president; vice-president, Locke Theils, Dodge City; secretary-treasurer, C. O. Heldebrecht, Inman. Officers have also been selected for the 5 Kansas districts. Spring shows will be held during the week starting April 25 and ending April 30 at the following towns: Chanute, Horton, Hutchinson, Junction City, Kinsley and Wakeeney. Dates for the different shows will be announced later. Secretaries of the above districts are as follows: Southeast, Mrs. Robert Morarity, Pittsburg; South Central, Dale Leichter, Nickerson; Southwest, Leo F. Breeden, Great Bend; Northeast, Ruth Leslie, Goff; North Central, Chester H. Rolfs, Lorraine; Northwest, Leroy Harvey, Hill City.

Auctioneers have a big part in the distribution of good livestock. Over the years sale methods have changed considerably, and more and more the work of selling at public auction comes to be thought of as sort of a profession.

It is an acknowledged fact that to be a good auctioneer one must have a degree of natural ability. But with this he must have several other very important qualifications, among them honesty of purpose, energy and the ability to hang on; not on to the animal he is selling, but a determination to succeed.

Over the years I have known many successes and some failures. One of these who has succeeded is **ROSS SCHAULS**, of Clay Center. Without any special backing by any business group or individual he has grown in favor, not only by farmers, but his services are in demand by the breeders. Each year he widens the circle and is taking his place as one of the capable salesmen of the territory.

Hereford buyers from 7 states and Canada, attended the **CK HEREFORD RANCH** sale at Brookville, February 26. Sixty-four head of choice Herefords were well fitted and passed thru the auction ring for an average of \$995. Thirty-two bulls were sold for a \$943 average. CK Baca Royal from a WHR Royal Domino 45th dam topped the sale, going to Dr. R. F. Elmers, Enterprise, for \$2,525. A second top bull was sold to Earl Hubbard, of Maple Hill, for \$2,500.

Thirty-two females in the auction brought a nice average at \$1,081. The top female was CK Crescent Beauty 2nd by CK Royal, going to Carl B. Rau, Wakefield, for \$2,000. There were 2 bidders in the auction who were possessors of most of the better females at the end of the auction. Doctor Elmers, of Enterprise, was the successful bidder on 10 head that were sold for an average of \$1,050. Mr. Cook purchased 13 head at an average of \$988 a head. Col. Freddie Chandler was the auctioneer.

The BEAR CAT COMBINATION

Grain and Roughage Mill also Ensilage Cutter



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

NO FEED GAMBLE HERE!

A Dodson Silo protects you from rising feed costs, makes feeding easier, builds better beef, increases butter fat. Customers prove it. Literature on silos, grain bins, water tanks, and farm buildings.

DODSON MFG. CO., INC.
Dept. 102
Wichita and Concordia, Kansas

Beef CATTLE

COME TO BELLEVILLE
Tuesday, March 29
NCK ANNUAL HEREFORD SHOW AND SALE

51 HEAD — Tops from 24 Kansas and Nebraska herds.

24 Bulls — 27 Females
Show at 9:30 A. M. — Sale at 12:30 P. M.

George C. Wreath, Sale Manager
Belleville, Kansas
Joe Lewis, Judge Charles Corkle, Auct.

MRS. R. E. BURCHAM and GEORGE ZIMMERMAN REG. HEREFORD DISPERSION SALE

To be held at the new, clean, modern Johnston Sale Pavilion 1/2 mile west on highway 82 at

Windsor, Mo., Sat., March 26
1 P. M. (Lunch in Pavilion)
46 Lots — 60 Head

An abundance of WHR, Prince Domino and Roll Prince Domino 11th breeding. Herd Bull Sells—Donna's Jupiter 7th 4558525, a grandson of WHR Jupiter Domino 89th. 7 Coming Yearling Bulls, 9 Cows with fall calves, 17 Bred Cows and 4 Bred Heifers, many will calve before sale day. 8 Open Heifers. All females are bred to and all young stock sired by Donna's Jupiter 7th. All tested for TB. and Bang's.

For catalog write
Donald J. Bowman, Sales Mgr., Hamilton, Mo.
Auctioneers: Roy Johnston, Ray Sims, Connie McGennis & Hughie Johnston & Son

HEREFORDS

Registered 2-year-old bulls for sale now. Sons of Jupiter Blueblood 3rd, a grandson of Prince Domino Mixer. This bull stood first in class at Kansas City in Round-Up Sale.

ARTHUR ATTWOOD, Silver Lake, Kan.

Always for Sale High Quality Herefords

of the very best breeding. Bulls, cows with calves, bred and open heifers (suitable for herd foundation). Prices consistent with bloodlines and quality.

Walnut Hill Hereford Ranch
Great Bend, Kansas

REG. HEREFORD BULLS

Hazlett and WHR Breeding
12 big, rugged bulls from 12 to 14 months old.

WAITE BROS., Winfield, Kansas

POLLED HEREFORDS FOR SALE

Bulls and Heifers, 11-12 months old. Sired by Shieldomino 52nd and A. L. F. Beau Rollo 47th.

GRAND VIEW STOCK FARM
O. J. Shields, Lost Springs, Kan.
"Polled Herefords since 1908"

OFFERING REGISTERED POLLED HEREFORD BULLS

Choice yearlings. Sired by our Lewis bull and out of Polled Harmon and Worthmore bred cows. Farmers prices. **HARTWICK HEIDEL & SON, Rt. 2, Junction City, Kansas.**

What Will the Harvest Be?

Good seed is most important.
See the Classified Seed Ads in this issue.



Fertilizing is Easier and accurate with a "Hoppes"

BOB BUNTON
R.R.1. WICHITA, KANSAS

Attaches To Any Drill
Nitrogen, 20% or 47% phosphate or any commercial fertilizer is fed accurately by the new Hoppes Positive Feed mechanism. Consistent poundage is obtained by double augers that grind and distribute. Can be attached to any make drill and is always ready for top dressing, spring or fall planting.
Also Available for Listers

INSUL-WOOL MACH. CO.
119 N. DODGE — WICHITA, KANSAS

IF DEALER IS UNABLE TO SUPPLY—MAIL COUPON

INSUL-WOOL MACHINERY MFG. CO.,
119 North Dodge
Wichita, Kansas

Please send me additional information regarding the Hoppes Positive Feed Fertilizer attachment.

Name

Address

Make of Drill

Size Year

Beef CATTLE

**FOURTH ANNUAL
Kansas-Oklahoma
SHORTHORN SALE**

Thursday, April 7
Fair Grounds

Buffalo, Okla.

**SELLING 40 HEAD
Polled - 11 Head**

7 Bulls

4 Females

Horned - 29 Head

11 Bulls

18 Females

Consigned by leading breeders of this area.
For catalogs write
Max Barth, Jr., Sec., Buffalo, Okla.
C. D. Swaffer, Auctioneer

**LAST CALL
Mid-Kansas Shorthorn
Breeders' Sale**

Salina, Kansas

**Thursday
March 31**

86 TOPS drawn from 27
good Kansas Herds.

50 BULLS - 36 FEMALES
Show at 9 A. M. - Sale at 1 P. M.

Mervin F. Aegerter, Sale Manager
Seward, Nebraska
Auctioneer: Bert Powell

**REGISTERED SHORTHORN
BULLS FOR SALE**

Old enough for service.
A few cows with calves at side.
C. H. THOMPSON & SONS
Perry, Kansas

SCOTCH SHORTHORNS

We offer 2 dark roan bulls, 12 to 16 months old,
grandsons of Duke of Killbuck and Imp. Cal-
rossie Prince Peter. Priced to sell.
GLENN E. LACY & SON, Miltonvale, Kansas

REGISTERED SHORTHORNS

Bulls - FEMALES - 4-H Calves
C. H. RALSTIN, Mullinville, Kan.

Polled Shorthorns

Bull Calves, 6 to 16 months old. Nice reds and
roans, sired by Alpine Charmer and Royal Robin.
Bred right, priced right. Come and see them.
Harry Bird & Sons, Albert, Kansas

Coming July Polled Hereford Bulls
by Choice Domino 152 (a Kuhlman Bull), out of
dams by Perfect Beauty 5th. Calves now on hand
by P. V. F. Advance Worth 35th (a Jess Riffel
bull). Visit us
LESTER H. KOLTERMAN, Onaga, Kansas

Win With the Modern Breed

Angus cattle rank first as
producers of superior beef.
winning 3 times as many
interbreed grand champion-
ships at the Chicago Inter-
national as all other breeds
combined, the Angus record
includes 41 grand champion
carcasses in 43 shows. For
information write:
American Aberdeen-Angus Breeders' Association
7 Dexter Park Ave., Dept. KF, Chicago 9, Ill.



REGISTERED ANGUS BULLS

Good quality and breeding. Yearlings. See them.
LEONARD T. SMITH, Onaga, Kansas

2 REG. ANGUS BULLS

Sunbeam and Revolution breeding. 12 and 24
months old.
UNRUH BROS., Hillsboro, Kan., 4 miles north.

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Sales Service**
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Haven, Kansas

BERT POWELL

AUCTIONEER

LIVESTOCK AND REAL ESTATE
1529 Plass Avenue
Topeka, Kan.

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

Public Sales of Livestock

Aberdeen-Angus Cattle

March 29—South Central Nebraska Angus Breed-
ers, Hebron, Nebr. Claude L. Rowley, Sale
Manager, Hebron, Nebr.
April 6—Southeast Kansas Angus Association,
Iola, Clarence C. Ericson, Sale Manager,
Savonburg, Kan.
April 12—Mid-Kansas Angus Association, Hutch-
inson, Phil Sterling, Secretary, Canton.
April 13—Mid-Continent Angus Association,
Junction City, Vance Collins, Sale Manager,
Junction City, Kan.
May 10—Sunflower Farm, Everest, Kan. Swartz
Brothers, Everest, Kan.
May 11—Krotz Stock Farm, Odell, Nebr., sale
at Marysville, Kan.

Guernsey Cattle

May 2—Missouri Guernsey Breeders' Associa-
tion, Columbia, Mo. H. A. Herman, Secre-
tary, Eccles Hall, Columbia, Mo.
October 21—Kansas State Guernsey Sale, Hutch-
inson, Max Dickerson, Secretary, Hiawatha,
Kan.

Hereford Cattle

March 26—Mrs. R. E. Burcham and George Zim-
merman Registered Dispersion Sale, Wind-
sor, Mo., Donald J. Bowman, Sales Man-
ager, Hamilton, Mo.
March 26—Jones Hereford Farm, Detroit, Kan.,
and Louis Kleinschmidt, Herington, Kan.
Sale at Abilene, Kan.
March 29—North Central Kansas Hereford
Breeders, Belleville, Kan.
April 5—Guy H. Beatty Registered Dispersion
Sale, Cameron, Mo., Donald J. Bowman,
Sales Manager, Hamilton, Mo.
April 22—Northwest Kansas Hereford Breeders'
Association, Atwood, Kan. H. A. Rogers,
Manager, Atwood, Kan.
June 7—Emmadine Farms, Inc., Breckenridge,
Mo.
November 7—Cowley County Hereford Breeders'
Association, Chas. H. Cloud, Secretary, Win-
field, Kan.

Shorthorn Cattle

March 23—Central Kansas Shorthorn Sale, Fair
Grounds, Hutchinson, Kan. Frank E. Leslie,
516 West 15th St., Hutchinson, Kan.
March 31—Mid-Kansas Shorthorn Breeders Sale,
Salina Kan. Mervin F. Aegerter, Sales Man-
ager, Seward, Nebr.
April 6—North Central Kansas Shorthorn Breed-
ers sale, Beloit, Kan. Edwin Hedstrom, Sec-
retary.
April 7—Oklahoma-Kansas Association, Buffalo,
Okla. Max Barth, Jr., Secretary, Buffalo,
Okla.
April 12—Kansas-Nebraska Breeders' Sale, Su-
perior, Nebr., Mervin F. Aegerter, Sale
Manager, Seward, Nebr.
May 21—Lawrence Brungardt, Gorham, Kan.
Sale held at Hays, Kan. Mervin F. Aegerter,
Sales Manager, Seward, Nebr.

Milking Shorthorn Cattle

May 5—South-Central Milking Shorthorn Sale,
Fairgrounds, Hutchinson, Kan. Harry H.
Reeves, Rt. 3, Hutchinson, Kan.

Polled Shorthorn Cattle

April 7—Oklahoma-Kansas Polled Shorthorn
Sale, Buffalo, Okla. Max Barth, Jr., Sale
Manager, Buffalo, Okla.
April 12—Kansas-Nebraska Breeders' Sale, Su-
perior, Nebr., Mervin F. Aegerter, Sales
Manager, Seward, Nebr.

Hampshire Hogs

March 26—Sunnyland Farms—W. D. Earnst &
Son, Avilla, Mo.
April 16—O'Bryan Ranch, Hiattville, Kan.

Sheep—All Breeds

June 24-25—Midwest Stud Ram Show and Sale,
Sedalia, Mo. Rollo E. Singleton, Secretary,
Columbia, Mo.

Trend of the Markets

Please remember that prices quoted
here at Kansas City tops for best qual-
ity offered:

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$27.90	\$26.00	\$40.00
Hogs	22.25	21.50	24.25
Lambs	28.50	24.50	22.50
Hens, 4 to 5 lbs.	.23	.21	.21
Eggs, Standards	.40½	.40½	.41½
Butterfat, No. 1	.57	.58	.76
Wheat, No. 2, Hard	2.31	2.23½	2.75½
Corn, No. 2, Yellow	1.39½	1.38½	2.31½
Oats, No. 2, White	.78½	.86	1.36
Barley, No. 2	1.27	1.27	1.90
Alfalfa, No. 1	30.00	30.00	37.50
Prairie, No. 1	18.00	18.00	16.00

Dual-Purpose CATTLE

**DUALYNN MILKING
SHORTHORNS**

Bull calves, related to the National Grand
Champion cows, Dualynn Juniper and Blue-
jacket Roan Lou, for sale at reasonable
prices. Herd sires: Queenston Babraham
RM; Imported Iford Earl Gwynne 11th;
Neralcam Admiral and Count Perfection.
JOHN B. GAGE, Owner, Eudora, Kan.
Ralph Hager, Manager

**SPRING VALLEY
MILKING SHORTHORNS**

For Sale—Bulls of serviceable age out of
cows classified Very Good and Good Plus and
sired by Nauvoo Champion R. M.

PAUL STUDDT, Ada, Kansas

Polled Milking Shorthorn Bulls

Herd bull, Woodside Bandit QMX classified V.G.,
dark reds and roans. Calves to light serviceable
age. **W. A. HEGLE, Lost Springs, Kan.**

MILKING SHORTHORNS

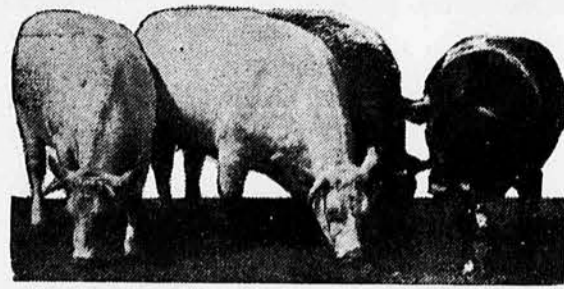
For information, "For Sale" list, state member-
ship directory, or complete sales service, write
**C. O. HEIDEBRECHT, Sec., Kansas Milking
Shorthorn Society, Inman, Kansas.**

Mention

KANSAS FARMER

When Writing Advertisers

**North Central Kansas Shorthorn Breeders
Show and Sale**



**Wednesday
April 6**

SHOW—9 A.M.

24 BULLS

Many ready for heavy service

Beloit, Kansas

H. H. Shearer Sale Pavilion

SALE—1 P.M.

30 FEMALES

Outstanding individuals with the
most desirable bloodlines

CONSIGNORS

	Bulls	Females
H. D. Atkinson & Son, Almena	1	2
J. H. Bowser, Abilene	1	1
Palmer & Adam Dietz, Galatia	1	1
Emerson S. Good, Barnard	4	1
E. C. Lacy, Miltonvale	2	2
Willard Lenhart, Clay Center	1	1
Matt Moritz, Tipton	1	1
Lloyd & Wayne Mathes, Smith Center	1	1
Dale Olson, Leonardville	3	3
Julius Olson, Leonardville	2	4
Booker & Petterson, Beloit	3	3
Ed Visser, Riley	4	2
Harold Visser, Riley	1	1
J. E. Vincent, Long Island	1	3
R. R. Walker & Son, Osborne	2	4
S. B. Young, Osborne	2	4
S. S. Ziegler, Palco	2	2

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the
15th
Offering
of
Purebred
Cattle
the
Association
Has Held

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Plans
to
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For Catalogue and Other Information Write

EDWIN HEDSTROM, Secretary, Mankato, Kan.

Bert Powell—Auctioneer

Mike Wilson—Fieldman

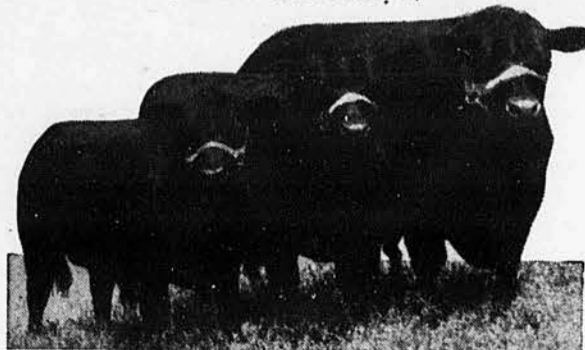
**South Central Nebraska
Aberdeen-Angus Breeders
Association Sale**

Hebron, Nebraska

(Just Over the Line from Kansas)

Tuesday, March 29 at 1 P. M.

(Hebron Sale Pavilion)



40 HEAD selected from 12 good herds. Strongly bred in
Bandolier and *Blackbird* family bloodlines.

20 Bulls suited for herd improvement in registered or com-
mercial herds.

20 Females selected to fill the needs of replacement or for
establishing new herds.

Type School and Show morning of sale.

For catalog write **CLAUDE L. ROWLEY, Sale Mgr.**
South Central Nebraska Angus Breeders Assn.

Auctioneer—Col. Ray Sims

Fieldmen—Mike Wilson, Lawrence Buller, J. L. Miller

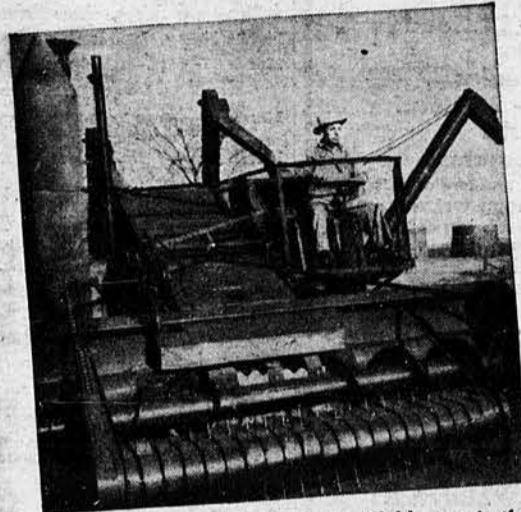


FARM NEWS-GRAPHIC

A picture review of successful farming brought to you by the Standard Oil Company



Homemade Cart Cuts Feeding Time in Half. Rolland Klaassen watches farmhand David Thiessen operate labor-saving feed cart on the Klaassen farm in Butler Co., Kansas. The cart—mounted on old auto wheels without tires—runs smoothly on the metal-topped sides of the feed bunk, which stretches from silo to grain shed. Feeding stock stand on concrete slabs along the bunker walls—which cuts down the mud. Owner Klaassen, always practical, keeps his 3 tractors in trim with Iso-Vis Motor Oil . . . says, "long-lasting Iso-Vis lowers my operating costs, cuts my repair bills by preventing breakdowns."



Doubles Corn and Small Grain Yield—that's the record of Edd Goerger, Barney, N. D., shown here with his self-propelled combine. Edd's yield started to increase as soon as he began soil conservation 7 years ago. Edd gets maximum service from machinery, too; says "I use Red Crown Gas for more power and lower operating costs."



Two Engines Equal 57 Years . . . that's the combined age of pump engines Victor Hessler uses to irrigate his land near Sterling, Colorado. One is an old tractor engine (above), the other is from a truck. Both are kept in shape by good maintenance and Permalube Motor Oil.



Old Enough to Vote . . . This tractor has served Phil Hessler, Victor's brother and neighbor, for 21 years. Phil has equipped it with huge tires and various special devices. "And I use Red Crown Gasoline," says Phil. "It's uniform, full of power and makes starting easy!"



All-Time Record was set at 1948 International Livestock Exposition by entrants of Otis Carter, Eldorado, Illinois. Mr. Carter entered 7 Short-horns, won 13 awards including 6 first places . . . the most firsts with the fewest entries in the International's history. Here Mr. Carter (right), a Standard Oil customer for 30 years, and his son Stanley pose with Sunset Bounce, Reserve Grand Champion at the International and Grand Champion at the Illinois State Fair.



Win \$5.00. Send your farm pictures with descriptions, to Standard Oil Farm Photos, 910 S. Michigan Ave., Chicago, Illinois. For each picture that we use in the News-Graphic we'll pay you \$5.00. Thanks a lot!



Your Standard Oil Man