

85:7

up to 2

Copy 2

# Kansas Farmer

CONTINUING MAIL & BREEZE

APRIL 3, 1948



They Learn by Building . . . See Page 4

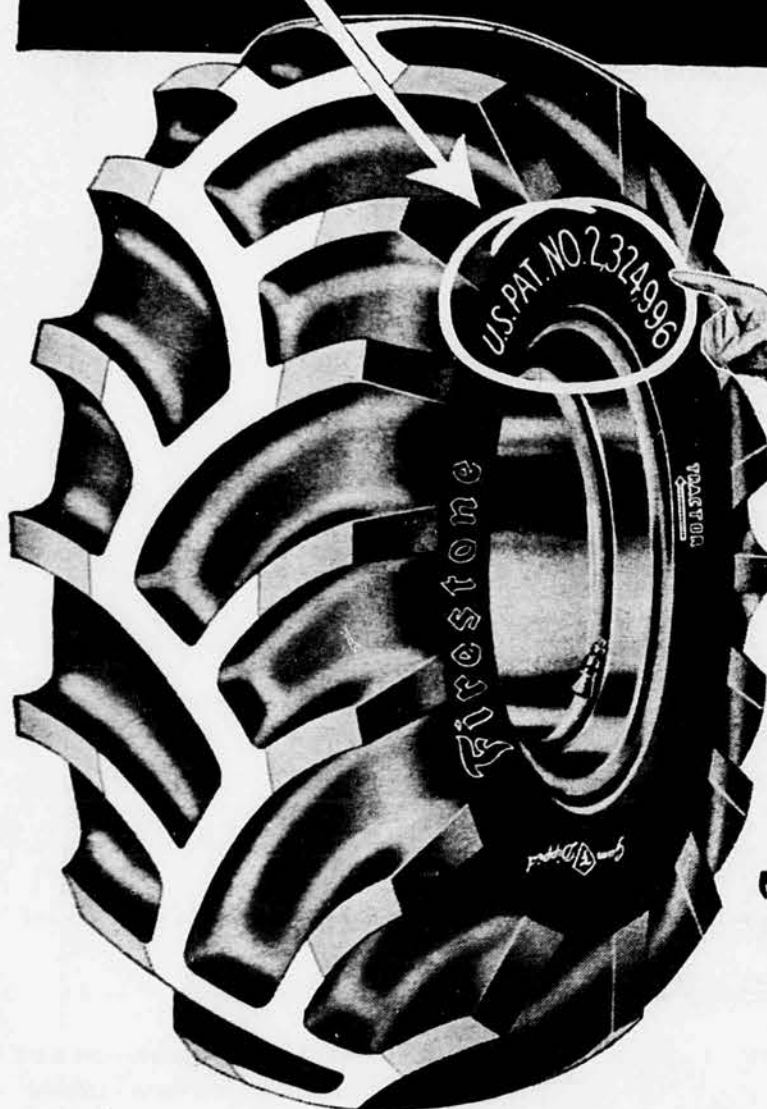


*Here Is Why*

THERE IS NO OTHER TIRE LIKE THE

**Firestone**  
**CHAMPION** **GROUND GRIP**

*It's Patented!*



**The Only  
Tire That  
Takes A  
"CENTER  
BITE"**

AS THE owner or operator of a tractor you are entitled to know why the Firestone Champion Ground Grip is the only tire with connected, Triple-Braced traction bars.

This is the answer — The Champion Ground Grip is patented.

Much as others would like to build a tire with the performance advantages and long life of the Champion Ground Grip, they cannot duplicate the Champion tread design which gives the Champion Ground Grip tractor tire the following advantages . . .

- Up to 100% More Effective Cleaning
- Up to 62% More Drawbar Pull
- As Much as 91% Longer Life

And because the Ground Grip tread is Triple-Braced, the traction bars can be made higher, stronger . . . to take a deeper, more powerful bite — a "center bite" right in the heart of the traction zone.

When you buy a new tractor or replace the tires on your present tractor, specify the one and only tractor tire that gives you all of the above advantages — the Firestone patented Ground Grip.

*Listen to the Voice of Firestone every Monday evening over NBC*

Copyright, 1948, The Firestone Tire & Rubber Co.

**OUTCLEANS**  
Up to 100% More Effectively

**OUTPULLS**  
Up to 62% More

**OUTLASTS**  
Up to 91% Longer

## Congratulations, Mr. Lyness!

By JAMES SENTER BRAZELTON

MORE than 250 friends of C. E. Lyness, Doniphan county extension agent, gathered in the high-school auditorium at Troy on the evening of March 15, to celebrate the completion of his 25th year of service in that county. Almost everyone, excepting Mr. Lyness, knew of the approaching event for days but it came as a complete surprise to him. He was ushered into the auditorium during the opening concert by the Troy high-school band. Here several surprises awaited him. Perhaps the greatest of these was the presence of several members of his family from more or less distant places.

Three brothers, George E. Lyness, county agent of Andrew county, Mo.; Willard Lyness, agronomist at Nebraska State University, and Herbert Lyness, a farmer in Crawford county, were present. Richard Lyness, a son, with his wife and 7-weeks-old Ricky,



C. E. Lyness

were here from Lincoln, Neb. The wife and daughter of another son, Captain Charles J. Lyness, now in Manila, participated in the celebration. Anita Lyness, a daughter, who is a student at Kansas State College, came home for the occasion.

Three county agents from bordering counties helped make the surprise more complete. They were Webb Embrey, of Buchanan county, Mo.; William Duitman from Brown county; and C. E. Vetter, of Atchison county. Other out-of-town guests were Henry Baker, agricultural agent of the St. Joseph Chamber of Commerce; Herb Owen, president of the St. Joseph Implement Dealers' Association; Bob Rollins, director of Farm Management Association, Manhattan; and Mr. Cecil, district field representative of the Kansas State Farm Bureau.

Don Spaulding, chairman of the agricultural committee of the St. Joseph Chamber of Commerce, presented Mr. Lyness with a lifetime pen and pencil set in appreciation of the things he has done for the chamber. Fred Dubach, former president of the Doniphan County Farm Bureau, presented Mr. Lyness with an Epsilon Sigma Phi honorary fraternity pin. This pin, studded

## KANSAS FARMER

Continuing Mail & Breeze

Topeka, Kansas

Vol. 85, No. 7

ARTHUR CAPPER	Publisher
H. S. BLAKE	General Manager
Raymond H. Gilkeson	Editor
Dick Mann	Associate Editor
Edward W. Rupp	Associate Editor
Florence McKinney	Women's Editor
Dr. C. H. Lerrigo	Medical Department
James S. Brazelton	Horticulture
Mrs. Henry Farnsworth	Poultry
Jesse R. Johnson	Livestock Editor
J. M. Parks	Protective Service
Roy R. Moore	Advertising Manager
R. W. Wohlford	Circulation Manager

Member: Audit Bureau of Circulations, Agricultural Publishers Association, National Publishers Association.

Published the first and third Saturdays each month at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered as second class matter at the post office, Topeka, Kan., U. S. A., under Act of Congress of March 3, 1879.

Three years, \$1; one year, 50 cents. Copy 60c.



with 3 diamonds, is especially prized by Mr. Lyness because each diamond represents 10 years of extension service. Besides this beautiful pin Mr. Dubach presented a combination electric clock and radio.

Mrs. James Etherton read a tribute to Mr. Lyness from the Doniphan County Farm Bureau board. V. M. Dubach, of Wathena, told of the agent's untiring work in the church. E. E. Doughty recalled the service Charlie has given the Troy Masonic lodge. Warren Culp told of his leadership in the Troy Kiwanis Club. Claude Clutz, representing past presidents of the Farm Bureau, said that Charlie had led the bureau instead of the bureau leading him.

A. F. Turner, of Manhattan, who helped organize the Doniphan County Farm Bureau many years ago, was a special guest as also were Otis Glover, district county agent, and Mabel Ellis, office secretary for Mr. Lyness for many years. Besides the music provided by the band there were two 4-H Club numbers. One of these was a vocal solo by Leroy Sherman, of the Leona 4-H Club, and the other was a piano solo masterfully played by Leota Elliot, of the Bendena 4-H Club.

Principal address of the evening was given by L. C. Williams, new dean of the Extension division, Kansas State College. This was followed by a movie called, "Permanent Agriculture," depicting the need for soil-conservation practices. The party closed with a delicious lunch served by unit ladies.

How often, in our reading, do we come across the words, "Or ask your county agent!" It would seem he has all the answers. He knows more people than any other man in the county. And the chances are he is one of the hardest working, and most patient, of all public servants. His job is a complicated one and grows more so with each passing year. The county agent is an expert in a wide variety of subjects. Farmers bring him samples of soil from their fields. He makes a chemical analysis and tells them what plant foods are deficient.

As a plant pathologist he can recognize plant diseases at sight and recommend the correct treatment. He is asked to identify all sort of bugs and insects and recommend measures for their control. In this he is an entomologist.

In this county, more particularly than in any other in the state, the county agent must be a specialist in many lines.

#### Senator Capper on Radio



Senator Arthur Capper

Reporting direct to the people of Kansas, Senator Arthur Capper broadcasts over WIBW radio station every Sunday afternoon at 4:15 o'clock. As chairman of the Senate Committee on Agriculture, nothing of interest or importance to farm folks in his home state escapes his notice. This up-to-the-minute information, and what it means, is worked up by Senator Capper. He then makes a record of his talk, and this record is rushed by airplane from Washington to WIBW in Topeka at the last possible minute. The photographer snapped this picture of Senator Capper in the Washington studio the other day as he was making a record.

# PEAK

**Power  
Means More  
Production!**



**KEEP FARM ENGINES** *Mobiloil Clean* . . . help keep vital parts free of harmful deposits that can cause fuel waste, engine troubles.

**SHIELD GEARS** from scuffing wear, costly repairs. Check gear oil regularly—and get clean, tough Mobilube Gear Oils—for adequate protection.

**CUT LAY-OFF TIME** with famous Mobilgreases that *stay put*, give extra protection against heat, pressure—seal out water, dirt and dust!

# Mobil Farm Lubrication



**PROVED TIME AND MONEY-SAVER ON THOUSANDS  
OF MID-WEST FARMS!**

## Mobiloil Mobilgrease Mobilube Gear Oil

**M**ORE AND MORE farmers Coast-to-Coast are finding that Mobil Farm Lubrication products pay big dividends in machine protection and performance — save maintenance time and costs.

They're famous products—backed by 82 years of experience—endorsed by 72 of the nation's biggest farm equipment builders.

And they're delivered right to your farm by your friendly Mobilgas-Mobiloil Man. *Call him today!*



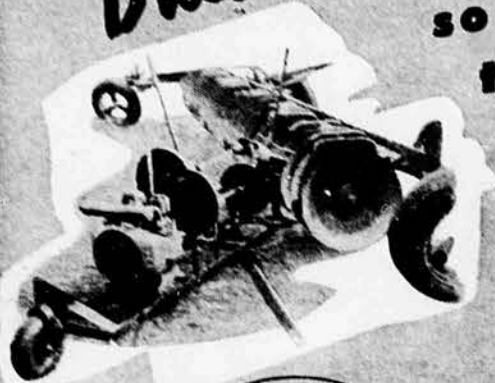


You wouldn't waste time and effort with

"Dull Hoe"

so why waste time, effort and fuel with...

"Dull Discs"



**Hodges PORTABLE DISC SHARPENER**

Now you can sharpen your disc equipment when it needs it—easily and quickly—on the farm—without wasted effort of dismantling.

This low-cost, precision-built grinder sharpens one-ways, tandems and disc plows right in the field without removing the blades. You can also sharpen plain or hard-surfaced discs, drill furrow openers, rolling colters and rotary beet topper blades.

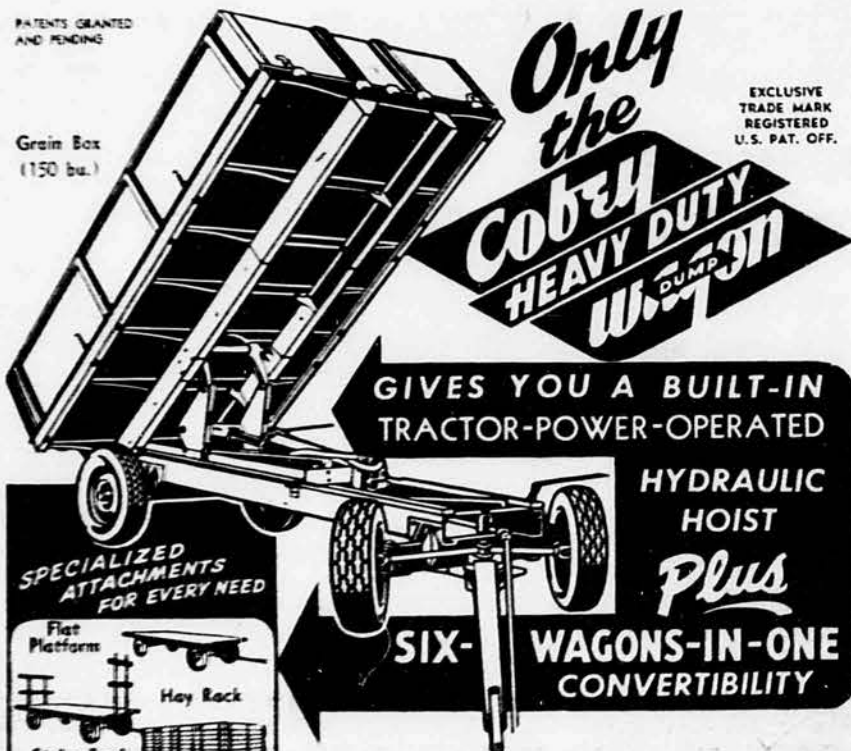
There is no reason now to miss that EXTRA PROFIT from increased yields you can get by keeping sharp blades on all disc and drill equipment. Your savings in fuel, time and money will prove you can't afford to be without this sharpener.

See it at your dealer's, or write to us direct for circular.

**Hodges MANUFACTURING COMPANY**  
JULESBURG COLORADO

PATENTS GRANTED AND PENDING

Grain Box (150 bu.)



Only the **Cobey HEAVY DUTY** WAGON

EXCLUSIVE TRADE MARK REGISTERED U.S. PAT. OFF.

GIVES YOU A BUILT-IN TRACTOR-POWER-OPERATED

HYDRAULIC HOIST

Plus

SIX- WAGONS-IN-ONE CONVERTIBILITY

SPECIALIZED ATTACHMENTS FOR EVERY NEED



BUILT FOR HEAVY DUTY SERVICE

Maximum payload of 4 1/2 tons  
Newest type of 6 ply  
significantly tires  
Dumps a full load in a  
few seconds

With a Cobey Model 31-A Dump Wagon you get hauling jobs done quicker....You work less.... You make more money. Write for name of nearest dealer and complete information on its many valuable, convenient features.

THE PERFECTION STEEL BODY COMPANY  
Dept. K-48 Galion, Ohio, U.S.A.



## What Happened to Sumatra

When the Japanese Moved In . . . and Out Again

By WALTER N. BANGHAM  
Editor, La Hacienda

Here is an article you will read more than once. It tells about far-away Sumatra, a major agricultural region, source of raw rubber, tobacco, palm-oil, tea. It tells what Sumatra was like before the war, what happened when the Japanese overran it, what damage they did, and what it is like today. Also, please see "The Editor's Notebook," in this issue for more about the author.—Raymond H. Gilkeson.

THE East Coast of Sumatra and Kansas may have little in common. There are a few similarities. Each lies at the foothills of a large chain of mountains, and each possesses soil with good, even contour and high fertility. Kansas was admitted as one of the United States in 1861, and the East Coast of Sumatra became a part of the Dutch East Indies 10 years later, in 1871. There the similarity ends.

When the Dutch gained possession of this area they found not a plains area, covered with endless tall grass and bands of nomadic Indians. They gained a swampy coast, behind which were apparently endless forests towering above a fertile volcanic soil of recent origin and watered by well distributed rains. The fall of rain was usually between 8 and 10 inches a month. The coastal fringe was populated by Malays who were fishermen and traders. Interior mountains were occupied by a pagan tribe of Bataks, who had successfully resisted invasions of the Portuguese, British and Dutch for centuries, but who at last had an accord with the Dutch.

### Elephants and Tigers

The jungle-filled strip between the coast and the mountains was populated chiefly by elephants, rhinoceros and tigers. It apparently offered nothing but difficult problems for an agricultural pioneer, yet a tobacco company was ready to start planting as soon as the treaty was signed and 10 years later (1881) 82,000 bales of tobacco, with a value of 14,750,000 guilders, left the new territory. Soon the new plantation crops, rubber, African oil-palm, sisal, gambir, derris, and such old crops as tea and copra were pouring into world commerce from this region.

When the Japanese arrived in 1942, they found here one of the major agricultural regions of the world. For the entire period since it entered the world trade it had given the world's finest wrapper-leaf tobacco for the cigar trade. A monopoly on the plantation production of African palm-oil developed in this zone. When I was in Buitenzorg during this recent trip, I saw the 2 African oil-palm trees planted in 1884, which were the parents of all the trees on the plantations in Sumatra. They are still fruiting there. Sumatra also gave to the rubber industry some of its highest-yielding rubber clones. These were developed by a co-operative experimental station, supported by the rubber plantations of the area. This coast was among the first rank as a producer of raw rubber for the world's needs.

In 70 years the country had almost eliminated the jungle from a strip some 300 miles long and from 10 to 25 miles wide. It was difficult to find truly virgin stands of jungle. All was planted in a continuous belt of plantation crops, thru which one passed on hard-surfaced roads. Abundant labor from overcrowded Java had made this development possible, as most of the crops grown here required a great deal of skilled hand labor, which had to be applied daily thruout the year. The Dutch government used great skill in supervising the living conditions, wages, nutrition, hospitalization and medical care of the labor which was imported from Java. In fact, this government seemed to us to be far ahead of any other government we had known. They made every effort to open new territory for development and used all of their resources for new economic expansion, and almost nothing to support a military machine. This proved to be a fatal error.

### Were Far Outnumbered

At the time the Japanese reached Sumatra in early 1942, the Dutch had made up an army from the Dutch employees of rubber, tobacco and oil-palm estates. These were poorly equipped with ancient weapons. The force so recruited numbered 3,500 men and they were faced by 35,000 well-equipped Japanese with a lust for empire expansion. After skirmishing in a campaign that took them along the length of the island this small force capitulated and left this productive zone to the Japanese conquerors.

The exuberant Japs soon learned they had not found a new road to wealth and to permanent prosperity. American, Dutch and British submarines started to whittle down their merchant fleet and they found that rubber, tobacco, and palm-oil in Sumatra had little value when they could not get them to the homeland. Further, they found that Sumatra did not grow enough rice to feed the thousands of workers and that among the important export crops only palm-oil could possibly be used as a food. This had never been used by the populace here, who preferred their customary coconut oil as a cooking fat. Even a paper currency in generous quantities could not solve their numerous problems. Rubber accumulated, and so did tea, sisal and other products. Still there was no one present to trade rice or cloth for these desirable commodities.

Soon the Japanese found it impossible to continue the production of the customary export crops. They were short of food to maintain the laborers and could not import this food. They must grow it here. This decision, in a land so completely devoted to the production of export crops, meant that some of the land formerly planted to those crops must be released for food production.

Readers should bear in mind the views of the Japanese at this time. They were fully convinced of their supremacy.

(Continued on Page 30)

## A Veteran's Home



Available electricity and a 2-car garage add to the attractiveness of this farm purchased by Leslie Worrel, White City. But additional room for livestock will be necessary for him to operate this 200-acre stock farm efficiently. Mr. Worrel is enrolled in the Morris county veterans on-farm training program. The farm includes 140 acres of good native pasture. The 40 to 50 acres of cropland is divided into small patches along the stream flowing thru the farm.





A popular combination wherever row crops are grown: Farmall H with 2-row cultivator. Other cultivating equipment for the H and M; 4 and 6-row beet and bean cultivators; fertilizing attachments for side-dressing; rear sweep attachments; rotary weeder and shields; weeder attachments; spring-tooth attachments; disk hillers; and 4-row cultivators for Farmall M.

# Cultivating is **FASTER, EASIER** with **FARMALLS**



New Farmall C tractor cultivating cotton. There is also a full line of cultivating equipment for the new Farmall Super-A.



Farmall Cub offers a full line of cultivating equipment, for any crop, row spacing or tillage practice. The popular Farmall Cub vegetable cultivator is shown doing a clean, close up job in beets.

It's at cultivating time that farmers really appreciate all that the FARMALL SYSTEM means. Cultivating with a Farmall Tractor is fast and clean. Cultivating equipment is easy to adjust... easy to change. It's a simple matter to put it on or take it off.

And no matter what size Farmall you have, there's just the right cultivating equipment to fit your particular soil and crop conditions. You have a *choice* to fit *your* needs. You get *matched* equipment that's simple and easy to operate.

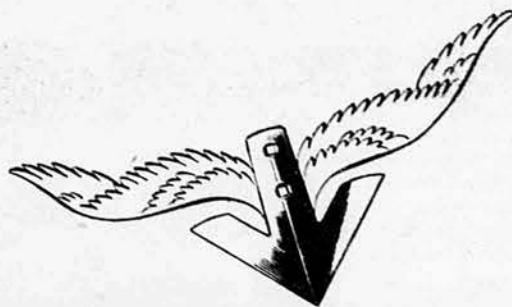
Give your crops the benefit of FARMALL CULTIVATION. It breaks up the soil and kills the weeds.

Your International Harvester dealer is FARMALL EQUIPMENT headquarters. Ask him to show you how the Farmall System can lead to more efficient farming. Today, more than ever, Farmall Equipment means *better production for a better future*.

## INTERNATIONAL HARVESTER COMPANY

180 North Michigan Avenue

Chicago 1, Illinois



**HIGH-SPEED CULTIVATION Means Better Work in Less Time at Lower Cost.** You can cultivate at speeds up to 5 miles an hour with new International Harvester high-speed cultivator sweeps. You slice weeds off at the roots and leave the soil well mulched without wide furrows. Size and type for every need.



# FARMALL Leads the Way!





Laurence Martin, a senior and 4th-year Vocational Agriculture student at Clay Center, tinkers with a power lawnmower he constructed in the class. Laurence was a State Farmer in 1947, and won the Union Pacific scholarship.



Paul Pfizenmeir, left, and Waldo Bushell, put finishing touches on 2 rotary scrapers constructed in the shop. Members of the department have built 5 of these valuable farm implements, along with many other pieces of machinery. They also have repaired many farm machines.



Ray Morrison, center, Vocational Agriculture instructor, gives pointers to Cecil Keen, left, and Ezra Woellhof.



Kenneth Hildenbrand, 4th-year Vocational Agriculture student at Clay Center, tightens a nut on the stalk cutter he built as a project. It will be used on his family's farm.



Waldo Bushell, left, welds a spot on a rotary scraper, as Ralph Ginrich and Fred Case check his technique. All are students in the Clay Center Vocational Agriculture department, and are learning by building things they will use.

## They Learn by Building

By DICK MANN

**M**EMBERS of the Clay Center Future Farmers of America are doing a grand job this year under the direction of Ray Morrison, adviser. There are 35 boys in the chapter, and they have a total net worth of \$38,120.50, for an average net worth of \$1,089.15.

The judging team selected from the chapter has been outstanding, too. This team won first place in district contests held this year at Concordia and Manhattan. Paul Mugler, a member of the team, was high-point man in both district contests. Other members of the team include Curtis Minter, Karl Rau, Duane Germann and Oliver Fyfe.

In the Vocational Agriculture department of the school, emphasis is on shop work. During this school term the boys will have completed 6 hog houses, 5 hayracks, 3 manure loaders, 2 hog feeders, 2 stalk cutters, 3 bale elevators, 12 power lawnmowers, 2 tractor mowers, several rotary scrapers and one bulldozer. This is in addition to considerable repair of farm machinery.

Several of the boys in the Clay Center F. F. A. chapter had quite extensive farming programs during 1947, and showed good returns for their

labor management. On the farm programs are required as an aid in teaching practical farming.

High man in the farming program was Karl Rau, 16, who took in a gross of \$9,146.74. Of this amount he had income of \$4,033.42 on wheat, \$3,374.10 on cattle, \$319.12 on oats, \$21.96 on prairie hay, \$102.94 on alfalfa and \$61.44 on flax. His only loss for the year was \$1.58 on hogs. During the year Karl increased his net worth by \$8,545.78.

Second high man was Donald Faidley, who had a labor return of \$2,306.91. His main project was hogs, which returned \$1,417.74. Wheat brought him \$917.15, cattle \$88.30, and corn \$170.30.

Third high man on labor return was Marvin Yarrow with a total of \$1,481.68. Included in this was \$480.50 on hogs, \$625.70 on cattle, \$126.71 on wheat and \$36 on alfalfa.

Donald showed a 1947 net gain in worth of \$1,794.14 on his operations, while Marvin had a net gain of \$902.45 during the year.

Most of the members primarily were interested last year in fattening livestock, with breeding livestock running a close second. Their crop interests were mainly in wheat and corn.



This judging team, representing the Clay Center F. F. A. chapter, has won 2 district contests this year. Front row, left to right: Curtis Minter, Paul Mugler and Karl Rau. Second row: Duane Germann, Ray Morrison, coach, and Oliver Fyfe. Paul Mugler was high-point individual in both of the district contests, according to his coach.



# Farm Matters

## AS I SEE THEM

IN VIEW of the war preparedness program, I believe it is absolutely necessary for this Congress (1) to extend the Price-Support Program for at least another 2 years beyond the present expiration date, December 31, next, and (2) to work out a better coordinated soil-conservation program. I believe the need for extension of price supports is self-evident. Farmers are going to be asked to produce to the limit, in the face of uncertain world conditions that could result in piling up surpluses of wheat, cotton, and other major commodities. Tobacco already is in surplus, and becoming quite a problem.

The emphasis to be placed on greatest possible production of foodstuffs for another year, perhaps longer, means that for a full decade American farmers will have been practically under orders from their Government to produce the limit without regard to soil and soil fertility conservation practices. The land has been badly abused.

It really is necessary that we get down to earth on a national soil-conservation program, and get teamwork among farmers, among the 2,000 soil-conservation districts that have been organized the past few years, and among the different Government agencies that have been taking part, sometimes at cross purposes, and certainly with more or less overlapping in some spheres of operations.

As chairman of the Senate Committee on Agriculture, I have set down for hearing the bill drafted by a subcommittee headed by Senator Aiken, of Vermont, covering major features of the so-called long-range farm program. The hearing is scheduled to start on Monday, April 12. First we will hear from the Department of Agriculture and from the major farm organizations. I also want it understood that every farmer or other person—or organization—that has an interest in the national farm program, is entitled to be heard, and will be heard if he will notify me or the clerk of the committee that he wants to be heard.

Rep. Clifford Hope, chairman of the House Committee on Agriculture, expects also to have a bill introduced during this month. I believe he shares my feeling that the extension of price supports and a well-rounded soil-conservation and land-use program are two of the musts for this Congress. If we are able to agree on a long-range program at this session, that will be to the good, but the 2 points I mentioned are of immediate importance.

I have a high regard for what the Land Grant colleges and experiment stations have done in the way of research, experimental work and education. Also for the great work the extension service has done in carrying the results of research and experiments and demonstrations directly to farmers. And the soil-conservation service has laid the foundation for a sound soil-conservation and land-use program; it seems to me this service really is in position to get results, particularly thru the 2,000 soil-conservation districts that have been organized.

One of the jobs ahead of us, in legislating to get the best results in the field of soil conservation and land use, is how to fit the conservation (benefit) payments to individual farmers into the program. I believe there is considerable truth in the charges made by President Milton Eisenhower, of Kansas State College, and others who have a real and intelligent interest in conservation of our soil resources, that better and more lasting results can be obtained from these payments than have been obtained in the past. These payments are handled now in the Production and Marketing Administration.

I am not reaching any decision in my own mind in the struggle going on among these several groups and agencies for control of the soil-conservation service. I am going to hear the testimony and arguments before attempting any decision. Offhand I would be inclined to the opinion that there are 3 rather distinct fields (1) education, research, experiment; (2) information and demonstration; and (3) soil-conservation operations. Whether to try to combine 2 of these, or to maintain them each in its own field, with perhaps a co-ordinator or co-ordinating agency to insure their work is complementary, is something that should be decided after all the evidence and arguments are in.

Three other matters are coming before Congress this session that are of paramount importance: (1) extension of the Reciprocal Trade Agreements Act; (2) the International Wheat Agreement; (3) Charter for an International Trade Organization. I will discuss these later on.

### Investing in Security

I AM sure the thought uppermost in every mature person's mind today, in our country, is security. With world conditions as they are, we ask ourselves how secure our country really is. How we can keep and enjoy our American way of life, with its countless privileges and opportunities.

We are to hear more about this on a national level shortly. Because from April 15 to June 30, the U. S. Treasury Department will sponsor a Security Loan Drive. This is a continuation of the Government bond selling campaign, in which farmers have generously participated. The theme will be that U. S. Savings Bonds are in reality security bonds. That individuals provide for their own personal security when they invest in U. S. Savings Bonds. At the same time they help maintain the economic security of our great country.

I feel there is no question about this. Money put to work—because it earns interest—in the form of U. S. Savings Bonds is a mark of thrift. It makes the individual self-reliant and strong enough to tide himself and his family over the "rainy days," even the very rough spots, such as possible depression. It means money available for better homes in the future, education for the growing children, money to meet emergencies that have a habit of striking now and then. It can even mean old age in comfort without financial worries. As one individual after another become U. S. Savings Bonds owners, their combined financial independence makes America sturdier. The result is that our ever stronger America will continue to offer each one of us more security than can be found in any other country on the face of the earth.

Now, farmers have such a substantial record back of them it is a foregone conclusion they will rally to this new drive. You, as farmers, have a record back of you that is unmatched for solid loyalty by any other group. You have a production record of feeding much of the world during the war years, handicapped as you were by shortages of help and equipment. You have the excellent record of continuing that peak production thru 1947, and of getting things lined up for virtually as high production in 1948. Final goals set for 1948 crops ask for 354 million acres, and this exceeds the 1947

actual acreages by 7.4 million acres. American farmers have the record of sending thousands of our best fighting men to the war fronts. And not least of all, by no means, since the start of the war, you as farmers have invested some 6 billion dollars in U. S. Savings Bonds.

I am sure these reserves will be maintained and increased during 1948.

Now, I think we all agree that it is our patriotic duty to do all we can to make ourselves financially secure, help pay off our national debt, keep ourselves ready and alert for any emergency; even give aid to needy nations. Americans just cannot close their eyes to the hunger and destitution around the world.

But I think this new call for loyalty and show of patriotism—in buying U. S. Savings Bonds—carries with it another very definite challenge to all of us. While it should encourage each one of us to study his personal financial situation very thoroly, it also should urge each one of us to study our Government's financial situation. It should make us better citizens by urging us—each one of us—to demand a strict accounting as to how carefully our money is being spent, and how wisely our products are being distributed. We should insist on public thrift just as strongly as good sense and careful judgment demand personal thrift.

In reading the publicity for this coming U. S. Savings Bond selling campaign, I see we are to be told by the Treasury Department that thrift means "economical management; frugality." And that frugality means "economical in the use of resources; saving." Those are good definitions to ponder, individually and nationally. They are in our best dictionaries. They are true, correct definitions that have stood the test of time. But I am afraid we have strayed too far, too often, from these wise precepts in the past, in the conduct of our Government's business, as well as disregarding them at times in our personal lives. But the closer we cleave to them now and in the future, the more secure this country will be.

This matter of security isn't something beyond individual participation. Too often we hear an expression to the effect that the country or the world is in an awful mess, but that "as an individual I feel impotent to do anything about it." The real American spirit is that each one of us can do something about it. We can "get our own house" in order; work to be stronger in financial reserves, to make our communities better places to live; maintain a keen interest in the business of Government. Individuals—a lot of individuals—make up the group. As the individuals are strong, so will the group be strong. No better constructive—strengthening—group action could be sighted than what farmers are doing. They are attacking—have been for years—the number 1 problem of agriculture. That is soil erosion. It is said, and believed, that America owes her position of world leadership to her soil and its produce, together with the ability of our farmers. Farmers are doing something about soil saving, about keeping us well fed and healthy. If other groups emulate—and that word means "strive to equal"—the action of our farm group, our security and world leadership have the best possible chance for survival.

*Arthur Capper*

Washington, D. C.

## Would Put U. S. on War Footing

By CLIF STRATTON

Kansas Farmer's Washington Correspondent

WASHINGTON, D. C.—The Administration program as of now is to put the United States on a war footing, in the expressed hope that when it is realized—by Soviet Russia—that America is prepared, or at any rate is preparing, to fight, the danger of the "cold war" becoming a "shooting war" will be averted, if not postponed.

In his latest message to Congress (March 17), President Truman asked specifically only three things of Con-

gress, after laying down the policy that the United States is committed to support every free government in the world:

1. Prompt enactment of the European Recovery Program, now changed by the House of Representatives to a "Foreign Assistance Act of 1948."

2. Prompt enactment of requested

Universal Military Training legislation.

3. Passage of a limited Selective Service Act (from Secretaries Marshall of State and Forrestal of Defense the suggestion was added that it apply to men between 18 and 25 years old who did not see service in World War II).

The President did not in this message ask increased appropriations for

the armed service. This recommendation will come later, perhaps one side or the other of an additional 5 billion dollars, bringing the military budget for next fiscal year up to 16 billion dollars; some think in terms of 18 billions.

Present indications are liberal exemptions from the draft for farm youth, married men, those with dependents at this stage in preparedness.

Nor did President Truman ask for

(Continued on Page 36)



## For Better Weed Control Depend On

# DU PONT

# 2,4-D

# Weed Killers

**Fit Every Need**—Because weed problems vary, Du Pont offers three kinds of 2,4-D:

1. **DU PONT 83% SODIUM 2,4-D WEED KILLER**, a dry sodium salt, readily soluble in water, for spraying most weeds in wheat, oats, barley, rye, flax, corn and certain other crops.
2. **DU PONT 2,4-D 67% AMINE WEED KILLER**, a liquid, for use on weeds in these crops, either as concentrated or dilute sprays.
3. **DU PONT 2,4-D 46% ESTER WEED KILLER**, a liquid, for use on tough weeds and woody growths.

**Economical**—Du Pont 2,4-D Weed Killers give you low-cost weed control. Your dealer can help you select the formulation best adapted to do your specific weed control job at lowest cost.

**Farm-tested**—Proved and backed by results in all sections of the country.

**MUSTARD:** In the Dakotas, applications of Du Pont 2,4-D Weed Killers gave thorough control of mustard and wild radish in barley, controlled pigweed, Frenchweed and mustard in wheat.

**BINDWEED:** One application of 10 oz. of Du Pont 83% Sodium 2,4-D Weed Killer per acre of wheat and oats controlled field bindweed in the Dakotas and Nebraska. Crops were harvested without further interference from the weed.

**CANADA AND SOW THISTLE:** An Iowa thistle patch that withstood other methods for 20 years was controlled in 1947 by one application of Du Pont 2,4-D Weed Killer, at the rate of 1¼ lbs. 2,4-D acid equivalent per acre.

**COCKLEBURS:** Only ¾ lb. of Du Pont 83% Sodium 2,4-D Weed Killer per acre killed cockleburrs that had infested 1200 acres of South Dakota cornland. The Weed Killer dissolved readily in hard and alkaline water.

**See your dealer**—Ask for free booklet on weed control with Du Pont 2,4-D Weed Killers... covers problems with grain, corn, sorghum, pastures, ditches, fence rows. Du Pont, Grasselli Chemicals Dept., Wilmington 98, Delaware, or 112 West Ferry Street, St. Louis 7, Missouri.



BETTER THINGS FOR BETTER LIVING  
...THROUGH CHEMISTRY

Listen to Du Pont "CAVALCADE OF AMERICA"—Every Monday Night, NBC Network

## The Unloading Chute

All readers of Kansas Farmer are cordially invited to express their opinions in these columns on any topic of interest to farm people. Unsigned letters cannot be considered and no letters will be returned.

### Let's Keep Prohibition!

Dear Editor: May I say a few words in behalf of our prohibition law? Election year is here and we will vote this fall on whether to keep our prohibition law or repeal it. What are we the people of Kansas doing to defeat the repeal of this law? Are we going to let people from the Eastern part of the United States dominate our election this fall?

Brewery interests have men and women outside as well as inside of Kansas working hard to persuade us to repeal our prohibition law. It may or may not be a good law. I think it is. But shouldn't the people of Kansas decide what they want, without being influenced by outsiders?

Why are people outside of Kansas so interested in the repeal of this law? The answer is quite obvious. They expect to make fortunes from our people.

I read in a paper a few weeks ago of a group of business men in Kansas who are forming an organization to fight for the repeal of this prohibition law, because they considered the law had failed. The article stated these men did not want their names published or made known at that time. I wonder why they don't want their names made known? Are they ashamed of their stand? If these same business men had worked one half as hard to have this law enforced, as they are now evidently working to have it repealed, it would have been a very successful law.

This law has never had an honest try out, because too many have wanted their drinks, and others become neglectful and tired of keeping up the fight of enforcement.

With all the laxity of enforcement of this law, Kansas is yet much better off with the law than she would be without it. Let's wake up while there is still time, and study this situation and find out who and what outside concerns are trying to influence us to repeal the prohibition law at our election this fall. Don't be dominated. Your ideas are as good as these outside folks or even those inside Kansas. So do your own investigating, do your own thinking. Talk to your friends and neighbors. Let's all get behind this and let's keep the prohibition law.—Mrs. R. Broomhall, Anderson Co.

### Excellent

Dear Editor: The speech of Dr. George S. Benson, printed in Kansas Farmer, February 7, 1948, is excellent. It should be available to any who would read it.

My suggestion is: Print it in leaflet form for distribution. I could use several copies and would gladly pay for the same.

Thanking you kindly for publishing it in Kansas Farmer.—E. E. Tanquary, Wilson Co.

The Farm Equipment Institute, 608 South Dearborn St., Chicago 5, Ill., has made reprints of this speech by Doctor Benson.—R. H. G.

### Wonderful

Dear Editor: You wanted to know what we thought of Doctor Benson's speech. I want you and him to know I thought it was wonderful. If I knew a better word to use I would use it. I wish we had more men like him in our Government. I would like to help put that gospel over.—Herbert Woke, Franklin Co.

### Fine

Dear Editor: My husband and I have just finished reading "America in the Valley of Decision," and think it fine and something everyone should read.—Mrs. Edgar Seyb, Reno Co.

### Copied From Russia?

Dear Editor: I read the article in Kansas Farmer by Doctor Benson. I am afraid what he said is all too true. We have been drifting toward Communism since... the announcement that we were going to have a New Deal. It was a new deal to people in this country, but it looks like most of it was copied from Russia. I do not see how anyone here in the United States could want a Government-controlled economy. There are

many inequalities in a Government controlled by the people, but there are many, many more inequalities in a Government-controlled economy.

I read an article, written by a dean of a college, in which it seems he favors a Russian-type of government but he seems not to call the Russian system Communism. I do not know why any educator should think there is a better form of government than a government by the people, of the people, for the people.

But it may be like a young New Deal politician, with whom I once talked. He was going on and on about the good points of the Communism form of government. I then asked him whether he would like to be one of the common men in Russia, or whether he would like to be one of the "big shots." He said, "I would like to be one of the 'big shots.'" If those of our education think they could be one of the "big shots," in a communistic order, they may be due to disappointment. As all the information that we can get from Russia is that a man may be a "big shot" today and lose his head tomorrow. From what we can learn, no man's life or his job is secure in Russia.—C. S. Walker, Stafford Co.

### All Well-Fed

Dear Editor: In answer to your request, "What we readers think of Doctor Benson's speech." I think little more could be said of our American way of life, or the system of government. . . . What more could be even wished for?

Doctor Benson's article makes this very clear to any reasonable thinking person. He also makes it equally plain that any other form of government, managed economy, dictatorship or any other form that has been tried out or is being tried out, has proved disastrous to the well-being of the people. What is more undesirable than communism or kin-policies?

I am just a farmer 1 month younger than Arthur Capper. Been married 53 years, raised 10 children, have 37 grandchildren—21 girls and 16 boys. Several in college, more in high school. All are well clothed, and all of them are well fed and most of them ride in good automobiles.—C. W. Conrad, Montgomery Co.

### Food for Thought

Dear Editor: Ever since I read "America in the Valley of Decision," I have wished every American could read it. It certainly provides food for thought. I hope we will turn back in time.—Mrs. Frank Dehn, Leavenworth Co.

### Appreciated

Dear Editor: The article "America in the Valley of Decision," was very much appreciated. Hope you can print more informative articles of that kind.—Mrs. V. A. Murphy, Franklin Co.

### Good Day's Work

Dear Editor: My father was a young man in the grain-crading days. He said 2 acres was a day's work. He had, however, cradled 4 acres in a day. I've found out from experience it isn't always the largest day's work that is the hardest.—Percy L. Perry, Rice Co.



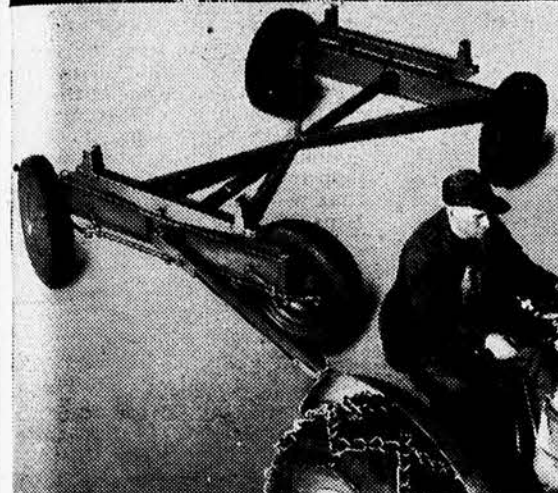
"My girl gave me a lock of her hair."





# "It's new!...this FARMHAND "90" WAGON actually turns in its own length!"

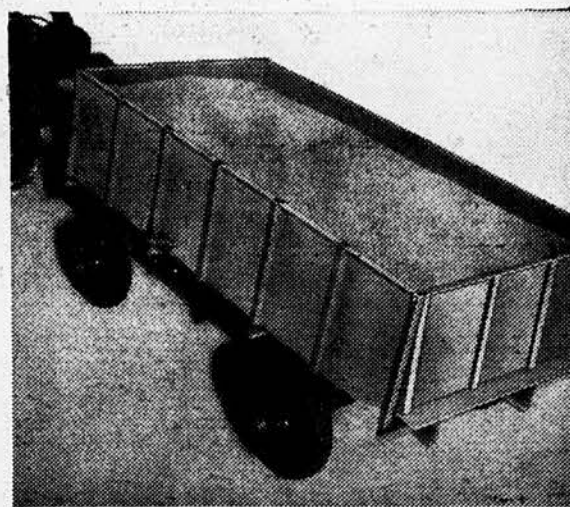
THE FIRST major development in farm wagon design in years! Makes full 90° turns under capacity loads with no tilting... no skidding... no backing up. And look at these other great features!



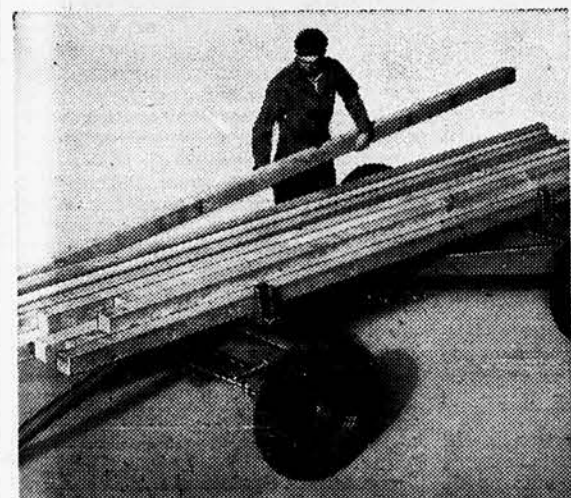
**RIGHT ANGLE TURNS** with constant support under load... with no cramping or tipping or danger of bending tongue. This outstanding FARMHAND "90" Wagon follows normal turn of any row crop tractor. Turning radius is length of wagon. Wagon pivots on rear wheel. An exclusive FARMHAND design!



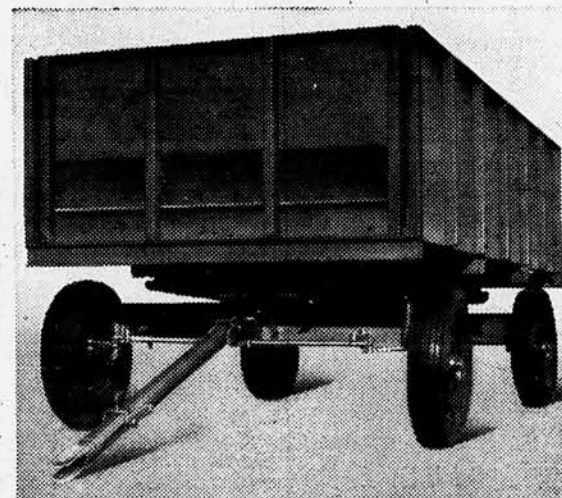
**NEW! QUICK HITCH EXTENSIBLE TONGUE** for easy, positive hitching in seconds! Just back tractor up and *pull out* tongue extension to tractor hitch. Drop in bolt, back tractor to lock tongue extension... then off you go! It's another of the outstanding features that make the FARMHAND "90" the wagon everybody wants!



**72" EXTRA-WIDE CONSTRUCTION... 8' - 10'** wider than other standard wagons. Straddles corn rows, accurately follows track of row crop tractor for easy pulling. The FARMHAND "90" Wagon provides rock-solid stability under heavy loads with its extra width, yet meets all standards for road hauling.



**BUILT L-O-W** for easy loading... can be used with farm elevator hoist for dumping load. Fits all standard wagon boxes and hay racks. Length is adjustable from 8' to 12' at 1' intervals with steel bolts to lock reach safely and securely in position... even at full length for hauling pole wood. Rear reach hitch for wagon trains.



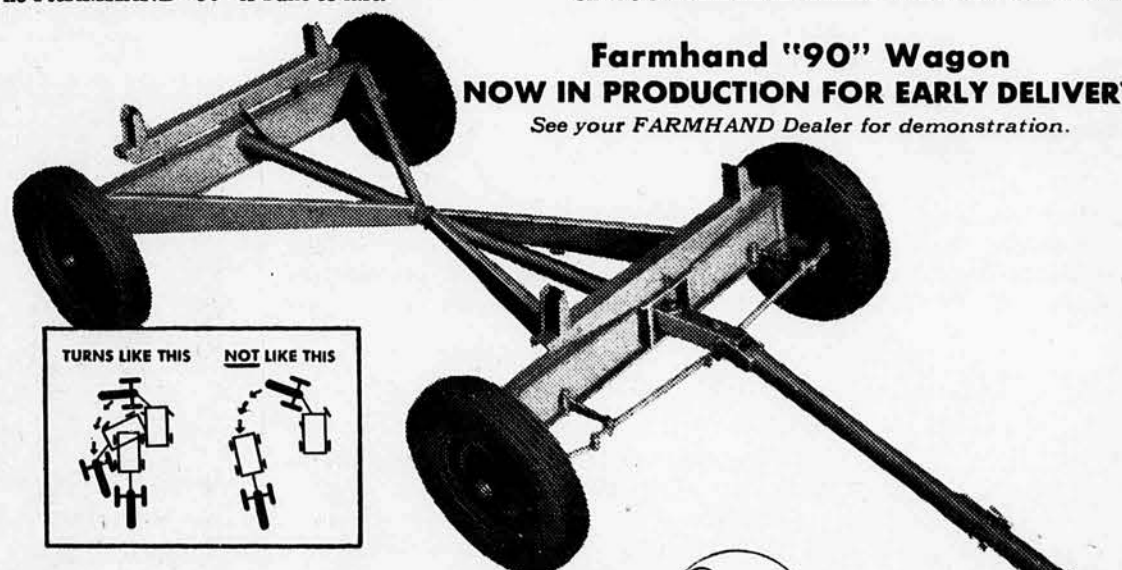
**STURDY STEEL THROUGHOUT** with front and rear bolsters adjustable for width. Front bolster can be easily changed from fixed type to rocking type. Heavy duty bolsters are of formed steel... wide and smooth so they won't damage box. Stake pockets for pole wood supports. The FARMHAND "90" is built to last.



**MADE BY THE MAKERS OF THE FARMHAND Hydraulic Loader**... so you know it's top quality with every important design improvement you could ask for. See your FARMHAND Dealer about the FARMHAND "90" Wagon and earliest delivery dates. And get the facts on the FARMHAND Loader. You'll want one... sure!

## Look at these features!

- Full 90° turn with no slipping or backing.
- Follows normal turn of any row crop tractor.
- Low construction for easy loading.
- 72" extra width for easy row crop use.
- Adjustable length—8' to 12'.
- Rubber auto tires—600x16 to 700x16.
- Adjustable—fixed or rocking front bolster.
- Stake pockets (can be bolted) for pole wood supports.
- Timken roller bearings with dust caps and grease seals.
- Automotive type steering with replaceable bushings.
- Weight 570 lbs. Capacity up to 5 tons.



**Farmhand "90" Wagon  
NOW IN PRODUCTION FOR EARLY DELIVERY**  
See your FARMHAND Dealer for demonstration.

# Farmhand "90" WAGON

SUPERIOR SEPARATOR COMPANY • HOPKINS, MINNESOTA • Farm Machinery Specialists

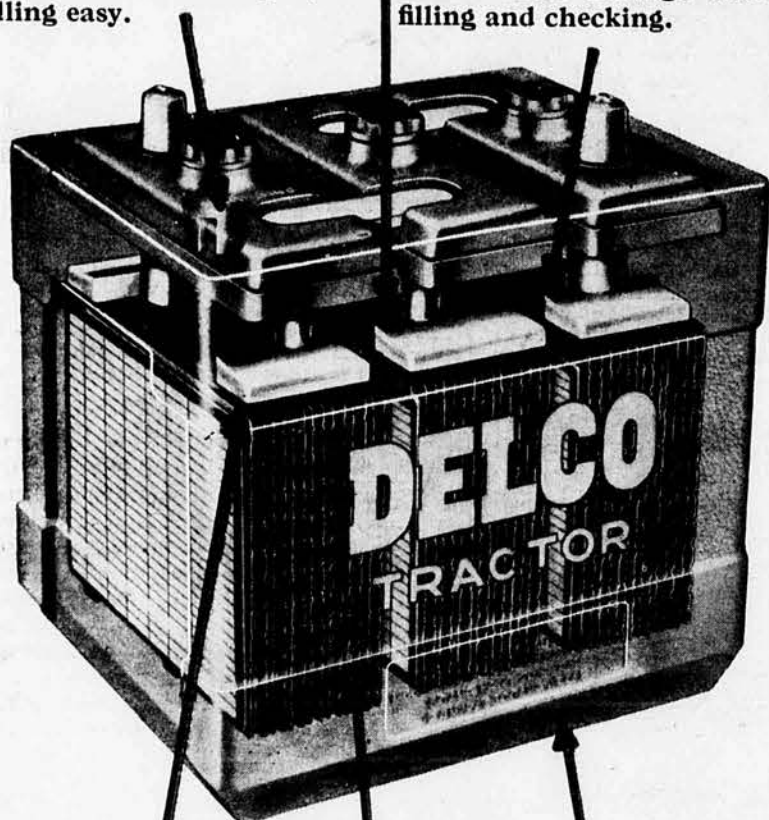


# You Get All These Features in The New DELCO TRACTOR BATTERY

**THREE TIMES GREATER RESERVE OF ELECTROLYTE**  
New plate design allows three times greater reserve of electrolyte. Operates longer between additions of water. Extra volume means lower operating temperatures, less danger from overcharging.

**VISUAL ACID-LEVEL INDICATOR**  
Visual acid-level indicators on each cell make proper filling easy.

**BAFFLE ACROSS TOP OF ELEMENTS**  
Special baffles protect separators from damage during filling and checking.



**SPECIAL PLATE STRAP SHIELDS**  
Acid-resistant plastic plate strap shields safeguard against shorts caused by displaced active materials or damaged grids.

**RUGGED, HEAT-RESISTANT CASE**  
A specially developed case material gives greater resistance to heat and vibration. Less danger of leaks, distortion, breakdown.

**NEW MICROPOROUS RUBBER SEPARATORS**  
New-type separators are extremely porous and highly resistant to acid and heat damage.

**OTHER FEATURES:** Special sealing compound that will not crack under excessive vibration, or "sag" under high operating temperatures—sealed-in cell connectors to reduce danger of short-circuits across battery top—deep finger ledges on case for easy handling—extra cranking capacity for sure starting in all seasons.

**THE NEW DELCO TRACTOR BATTERY  
MEETS ALL CONDITIONS OF FARM USE**

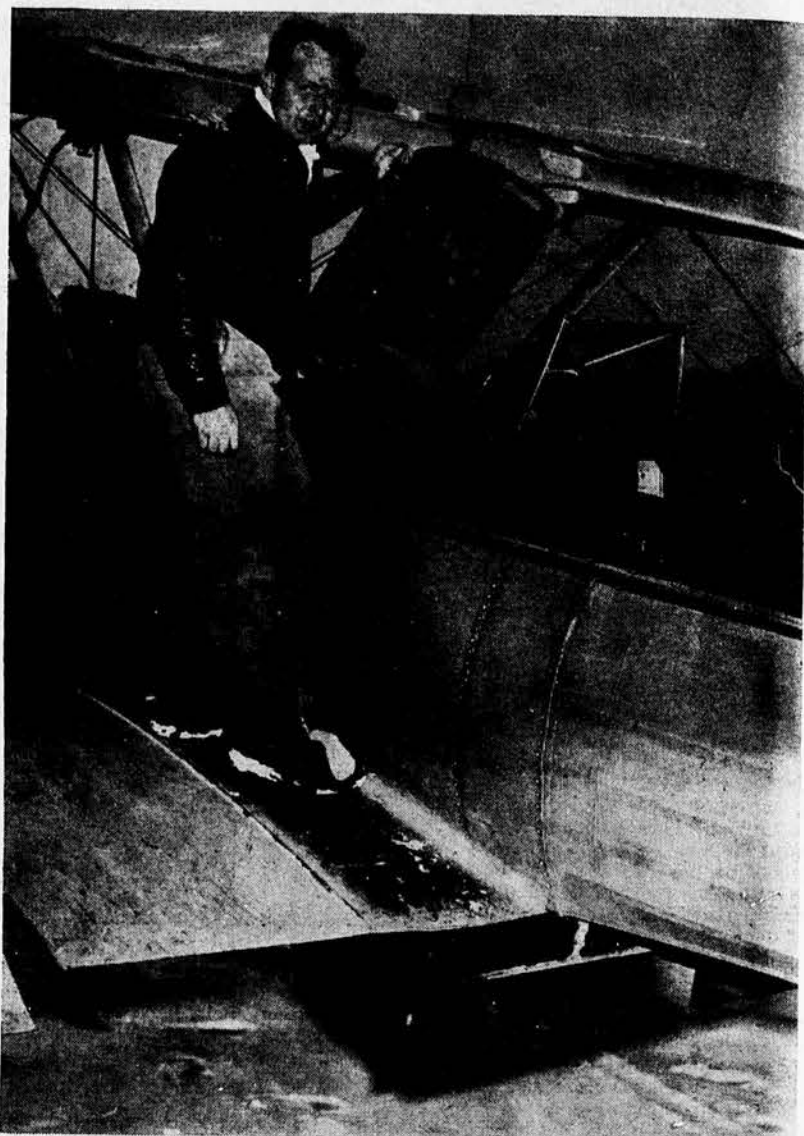


Delco batteries, and parts and service for Delco-Remy electrical equipment, can be obtained through tractor dealers and United Motors Service stations.

## DELCO-REMY

**Pioneer Manufacturer of Tractor Electrical Equipment**

## Bluestem Ranchers Seed Lespedeza by Air



Standing on one wing of his Stearman biplane, G. H. Ferguson, Springfield, Mo., holds the lid of the seed compartment open. About 800 pounds of lespedeza seed can be carried in this compartment built into the front cockpit. The seed spreader is visible below the plane. Prop wash blows seed out of these spreader fins.

**M**ORE than 60,000 pounds of lespedeza seed were sown in Chase county this spring in bluestem pastures, according to Lyle L. Engle, county agent. Never before have Chase county ranchers sown this much lespedeza, he remarks. The reason they were able to do it this spring was because they used airplanes to do the work. It was seeded at the rate of 7 to 10 pounds an acre.

Even tho Chase county has some of the best bluestem pastures in the area, the ranchers are trying to improve them by sowing lespedeza in the bluestem sod. There are 2 reasons for the use of the legume. In the first place, they expect increased grazing because of the forage lespedeza will add. Then, too, they expect increased grazing from bluestem because of the added nitrogen to the soil from the legume.

A few ranchers tried sowing lespedeza by airplane last year. Sam Stauffer, Cottonwood Falls, sowed some on wheat ground that he was trying to get back to pasture. He got an excellent catch and feels he is well on the road to getting his field back to pasture. Carl Beedle, Matfield Green, and Pat Sauble, Cedar Point, also sowed by airplane last year and had good stands.

This spring Fred Howard, foreman of the Davis ranch, met with other ranchers and they agreed to hire a plane to sow about 6,000 acres. G. H. Ferguson, of Springfield, Mo., had done some of the original seeding in the area last year. He was hired to do the job this year. The cost of sowing by air amounted to 40 cents an acre plus the cost of the seed at 14 cents a pound. The cost varied from \$1.40 to \$1.80 an acre, depending on the rate of application.

(Continued on Page 11)



This view of Mr. Ferguson's Cub seeder shows the spreader attachment below the fuselage. The small 4-bladed propeller attached to the seeder utilizes prop wash to drive an agitator in the supply bin. Seed compartment in the Cub is in the rear seat. The opening is between the wings on the top of the fuselage.



Mr. Ferguson has 2 planes equipped to do aerial seeding, dusting and fertilizing. One is a Cub that will seed a swath between 30 and 35 feet wide. The other is a Stearman which seeds a 60-foot swath each sweep. The Cub holds between 250 and 300 pounds of seed while the Stearman holds up to 800 pounds.

He says one of the most important points toward getting an even coverage is to fly a constant altitude. Although flight altitude is governed somewhat by terrain, he usually flies about 50 feet above the ground.

Last year Mr. Ferguson seeded love grass in sand hills near Garden City by airplane. He reported getting a good catch out there, too.

Among the ranchers in the bluestem area of Chase county who seeded lespedeza by air this year were Wayne Rogler, E. C. Crofoot, Lawrence Spencer and Sons, Paul Hatcher, Pat Sauble and the Davis Ranch. Some of these ranchers feel they will eventually seed all of their pastures with lespedeza if what they seeded this year turns out satisfactorily. Some feel, too, that the amount sown can be reduced to as low as 5 pounds an acre and still get good results.

## Good Place For Brome

**C**AN you afford to put brome grass on your best bottom land? John F. Wingrave, of Woodson county, has an emphatic "Yes" to this question.

In 1946, Mr. Wingrave seeded 28 acres of brome-alfalfa on his best bottom land. The area was flooded the first spring with water running over it a foot deep. He went out to inspect the crop, figuring it would be a total loss. He found that the crop apparently was not injured and that it was holding his soil.

During the summer the brome grass grew shoulder high in some spots and was excellent all over the 28 acres. He harvested 10,000 pounds of seed in the fall, then grazed it 6 to 8 weeks. Grazing was deferred this spring because of wet weather, but Mr. Wingrave believes that in normal weather this brome-alfalfa mixture will pasture 2 head to an acre.

"I am thoroly convinced," he said, "that my brome-alfalfa on this good bottom land will give me a better return than grain crops and, in addition, will be better for the soil."

Mr. Wingrave had an experience in harvesting his brome seed that might prove of value to other farmers. He found that the seed crop was so heavy the grain slinger on the combine would not operate properly. As a result much of the seed was thrown over the screen. This trouble was eliminated, he said, by entirely removing the grain slinger from the auger.

Another new experience also was reported by Mr. Wingrave. He had been hearing a lot about grass silage. So, last summer, he tried it for the first time by putting up 60 tons, using the wilt method. He had unusually good luck and says the cattle really relished the feed. The grass silage was made from the first cutting.

## Ahead With Clover

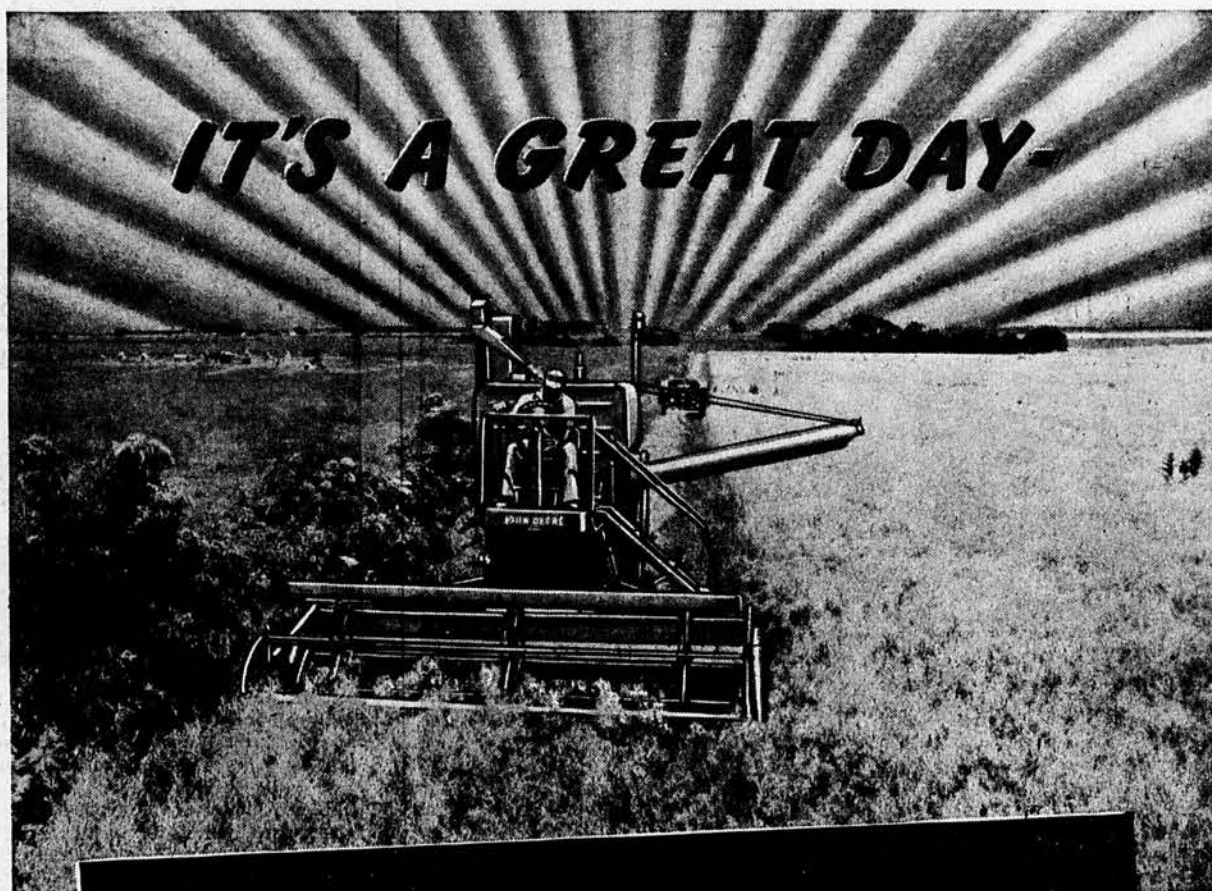
Three years ago Ailiff Neel, McPherson county, planted 100 acres of sweet clover. Last year he harvested the first wheat crop to follow the legume. It made 10 bushels an acre more than other wheat on his farm. He is continuing each year with 100 acres of clover until he covers the whole farm. When completely covered, he will be ready to start over again.

## Steam Before Picking

After scalding a chicken ready to pick the feathers, place it immediately in a paper bag with the feet sticking out and tie a string very tightly around the bag, leaving it 10 minutes. Then rub the chicken the way of the feathers and you will find the chicken white and clean and no pin feathers.—Mrs. Fred E. Smith.

## Saves the Flooring

Pure linseed oil that has been heated to the boiling point and applied while hot, will preserve the floor of wagon box or truck. Let the oil thoroly penetrate the wood.—R. E. L.



## NEW JOHN DEERE COMBINE

The hungry hum of a John Deere Combine opening up the field is sweet music to every new owner.

And that music grows sweeter every round, every day, every season as he continues to "cash in" on the greater grain-saving ability... steadier operation... and lower per-bushel harvesting cost of his John Deere Combine. Truly, he enjoys combine harvesting at its best. So, it's no wonder owners everywhere join in saying—"It's a great day when you open up the field with a new John Deere Combine."

The greater satisfaction from John Deere Combine ownership is largely the result of the tremendous capacity that's built into the cutting, threshing, separating and cleaning units. This capacity for handling the heaviest crops without overloading, together with honest strength throughout, is your assurance of better all-around performance down through the years.

For large-acreage grain growers, the John

Deere No. 55 Twelve-Foot Combine, shown above, is the leader of the self-propelleds. Unusual ease of operation and control from the high, roomy operator's platform... a wide range of operating speeds from a mere crawl up to six miles per hour... a top speed of nine miles per hour in transporting... proper weight distribution for clean cutting and good footing in any soil condition... 45-bushel auger-unloading grain tank on top of the combine and the powerful, heavy-duty motor directly behind it for quick, easy servicing—these are but a few of the extra-value features of the No. 55.

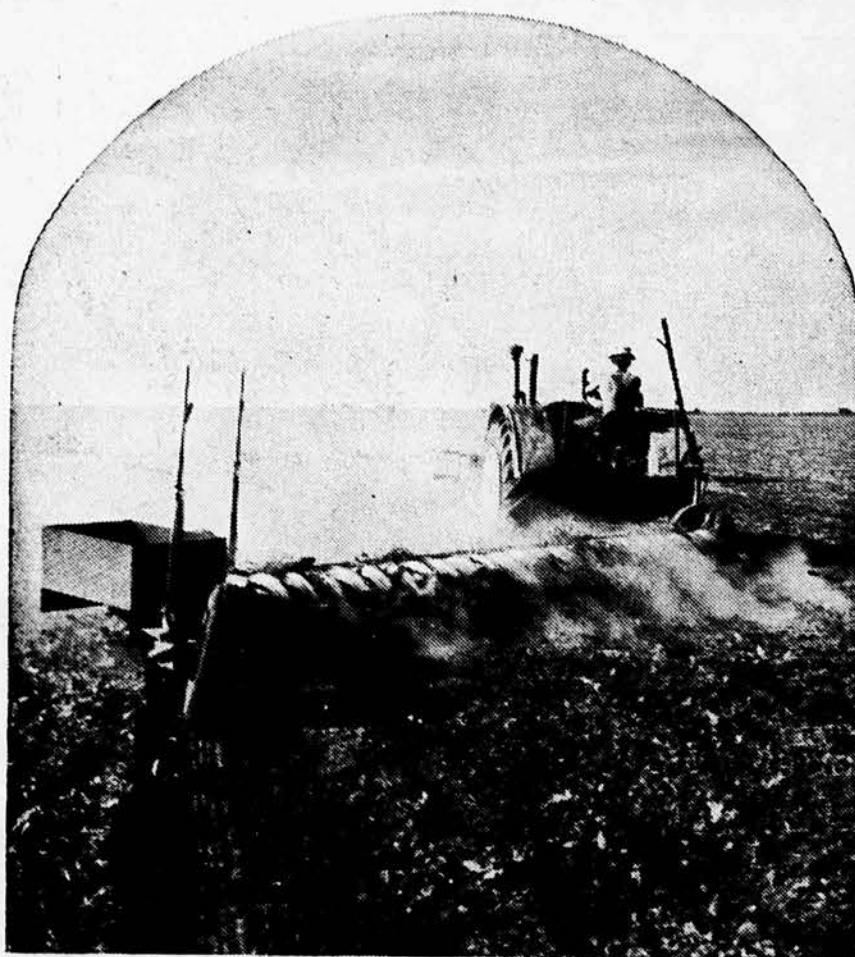
Cutting a full six-foot swath, the No. 12-A Full-Width, Straight-Through Combine, shown below, gives you what you want in a combine of its size.

John Deere Combines are being built in ever-increasing numbers. See your John Deere dealer about the availability of the one you want. Free folder will be mailed on request.



Both the John Deere No. 55 and the No. 12-A are complete masters of every combineable crop. More clean, uncracked grain or seed in the tank is the rule when you harvest your crops with a John Deere Combine.





## ONE MAN and a KRAUSE Plow MORE one-way with LESS POWER

The Krause One-Way, by actual field test, has less draft than most other one-way plows. That means you can cover a lot of ground . . . up to 100 acres a day is no trick at all with a Krause . . . with a saving in time and money.

And too, it gives you a uniformly level seed-bed that needs no extra working. It cuts right through and turns over thick stubble, tall weeds, and cornstalks — leaves a chopped up mulch to protect your topsoil.

The Krause plows deep or shallow . . . is a perfect tool for summer fallowing. Plowing virgin sod, usually a tough job, becomes markedly easier. Hard ground, soft ground, ground heavy with vegetation — it's all the same to a Krause.

Yes, one man and a Krause One-Way can do a lot more plowing . . . and do it with less power, less cost.

Check all the Krause features. Discover for yourself all the Krause advantages. Compare. Talk to your neighbors who use Krause plows. If you do, it'll be Krause for you.

# KRAUSE

PLOW CORPORATION

624 West Avenue D, Hutchinson, Kansas



## Rural Youth Meet Annual Conference in Manhattan



Four district directors elected at the Saturday session. Left to right: Allan Knopp, Dickinson county; Velma McGaugh, in charge of older-youth work for Extension service; Harriett Long, Ellsworth county; Marjorie Stapleton, Shawnee county; Harold Johanning, Douglas county.

DESPITE snow by the foot and zero temperatures, 150 young men and women from all over Kansas met at Kansas State College for a 2-day Rural Life conference, March 12 and 13. Two hundred attended the banquet on Saturday night. This was the eleventh annual meeting where they work and play under the leadership of the state 4-H Club staff and other members of the Extension service.

The Rural Youth Clubs are composed

of those from 18 to 30, married and single and they are organized to promote continuing adult education, better recreation and to train for rural leadership.

During the war, little organization work was done, for farm young people were busy winning the war in one way or another. But following the close of the war, Velma McGaugh, of the state 4-H Club staff, has been busy assisting

(Continued on Page 14)



Stanley Wood, Collegiate 4-H Club member and freshman at Kansas State College from Chase county, wins the beans in a get-acquainted mixer. At the left, Ernest Adcock, Atchison county, comes up with the question, "odd or even," but too late to win honors.



The girls have a tea party all their own. Dr. Gladys Vail, college home economics staff, pours while Mrs. Lucille Rust, also of the staff, assists 3 delegates.



# HERE'S THE "NEW WAY" IN FARM WORK



## -AND A "NEW DAY" IN TRUCK VALUE!



Now you can know true on-the-job truck value with these new Chevrolet trucks for 1948! They're the lowest-price line of trucks in the volume field with the latest and greatest features of Advance-Design—features that provide new operating ease and convenience and make every invested dollar count by putting new high value to work! See these new trucks now at your Chevrolet dealer's.

CHEVROLET MOTOR DIVISION, GENERAL MOTORS CORPORATION  
DETROIT 2, MICHIGAN



Grades seem to level and loads lighten with the new Chevrolet-developed SYNCHROMESH 4-SPEED TRANSMISSIONS in heavy-duty models that provide greater operating ease and efficiency.



The revolutionary new Chevrolet FOOT-OPERATED PARKING BRAKE permits new effortless braking with greater safety, and provides new clear floor area on 3-speed transmission models.



Mounted on the steering column, the new Chevrolet GEARSHIFT CONTROL offers new convenience and ease, in all models with 3-speed transmission.



Heavy-duty models have new strength and durability with SPLINED REAR-AXLE SHAFT ATTACHMENT to wheel hubs. SPRINGS are heavier and more durable, and propeller shaft has NEW BEARING-SEAL DESIGN.



Proved, and now IMPROVED, Chevrolet's powerful VALVE-IN-HEAD ENGINE now offers greater durability and operating efficiency.

### ONLY CHEVROLET TRUCKS HAVE ALL THESE ADVANCE-DESIGN VALUES:

—The Cab that "Breathes"—\*—Flexi-Mounted cab—Uniweld, all-steel cab construction—Large, durable, fully adjustable seat—All-round visibility with rear-corner windows\*—Super-strength frames—Full-floating hypoid rear axles—Specially designed hydraulic truck brakes—Standard cab-to-axle length dimensions permitting interchange of bodies—and many others.

\*Fresh air heating and ventilating system and rear-corner windows optional at extra cost.

*Advance-Design*  
**CHEVROLET TRUCKS**  
*FOR 1948*





## It's FARM Lubrication

The Nourse Oil Company was founded over 40 years ago to fill the needs of Midwest Farmers for tougher quality lubricants. Nourse Oils and Greases stand the gaff of toughest use in all farm machinery because they are blended by men who have devoted all of their efforts to producing quality farm lubricants. Safe, dependable lubrication under extreme weather conditions and long hours of continuous use are built right in every Nourse product. Farming demands special farm machinery and farm machinery demands special farm lubrication. See your Nourse dealer today. Ask him about Nourse Specialized farm lubrication.

**Your Nourse Dealer can now supply you with these guaranteed Nourse Farm and Home Specialties**

• **NOURSE HOME LUBRICANT**—An ideal general purpose oil with thousands of uses. An excellent rust preventative and preserving lubricant.



• **NOURSE STOCK DIP**—A concentrated dip and disinfectant that has been a favorite with farmers and stockmen for years.

• **NOURSE PRIME NEATSFOOT OIL**—Highest quality pure neatsfoot that softens and strengthens leather. Will not soil or discolor.

• **NOURSE NEATSLINE SHOE GREASE**—A special formula perfect water-proofer for all types of leather. You can shine right over it.

• **NOURSE HYDRAULIC BRAKE FLUID**—Free from corrosives or abrasives. It provides a perfect lubricant, non-injurious to rubber.

• **NOURSE FLEXO FLINT ROOF COATING**—Protects and prolongs life of roofs. Stops leaks. Sticks tightly to any clean surface. Easily applied.

• **NOURSE FLOOR DRESSING**—Fine for all wood floors and linoleum. Easily absorbed — will not puddle. Give floors a light colored finish.

• **NOURSE KILL DUST**—A special process sweeping compound that retains its oiliness — will not dry out. Contains pumice stone, ground gypsum, floor oil and disinfectant. Won't stain.

Dealers everywhere are proud to have these and other Nourse Specialties available. Every Nourse product is as good as you can buy. Many Nourse specialties cannot be duplicated anywhere. A trial will convince you of their usefulness and quality.



## Rural Youth Meet

(Continued from Page 12)



Two delegates enjoy a chat with Velma McGaugh while sipping tea at Van Zile Hall. Left to right: Eileen Londene, Dickinson county; Beulah Valentine, Atchison county, and Miss McGaugh.

with county organizations. This has resulted in 41 active county clubs and a total membership of more than 2,000.

In its infancy, recreation was the main attraction, but today, Miss McGaugh says the trend is toward serious education. These young folks are learning what they should know about life insurance, household management, international affairs, etiquette and good grooming. Agricultural and livestock practices are included for young men.

At the conference, the young people first got acquainted by giving reports about their club activities. Then they divided into groups to discuss public policy debate, the methods of teaching soil conservation, a model family life panel, and the best method of presenting and discussing the available films by UNESCO.

L. C. Williams, dean of extension, told them at the Saturday night banquet that "Kansas should spend at least 1 billion dollars in the next 10 years on

a complete soil-conservation program." He added that, "this expenditure will return the original investment and an equal amount in profit. The profit should be spent for home improvement, youth activities and a third of it for a good time."

From out in sparsely settled Cheyenne county, where the Rural Life Club boasts a membership of 45, three young men drove to the college with Helen Jenkins, home demonstration agent. She reported they recently presented the play, "Good Gracious, Grandma," in 3 different parts of the county and made \$250, which they spent for a public address system to be used by the Extension office.

### Cork the Rockers

To prevent a child's rocking chair from tipping over backwards, tack small corks to the ends of the rockers. They will save many a spill and bumped head.—Mrs. T.

### Two Hit Plays

Again we offer popular plays, this time, "Here Comes the Bride," and "A Ticket for Amy." The former requires a bride, a groom, about 6 children and several singers. Any small community has sufficient talent to produce it. "A Ticket for Amy" has a cast of 3 characters, 1 man and 2 women. Cost 5 cents each. We can supply copies for each member in the cast if desired, at the same price. Write to the Farm Service Editor, Kansas Farmer, Topeka.

### Something to Know

I have found that wearing a pair of snugly fitting cotton gloves under rubber gloves, absorbs perspiration, making rubber gloves more comfortable and easier to remove.—Florence Neely.

### From Old Felt

To avoid scratching varnished or painted window sills with flowerpots, I paste felt from old hats on the bottom of each flowerpot, vases, ash trays, and other ornaments. I also put felt on the bottom of chairs and table legs so the linoleum will not become marred.—A. L.



At this panel meeting the young folks discussed important items to consider before contemplating marriage. Lyla Franklin, assistant home demonstration agent, Ellsworth county, leads. Other members, left to right: Earl Spellman, Clay county; Charles Bergner, Pratt county; Ernest Adcock, Atchison county; Earl Hart, club agent, Sumner county; Marjorie Stapleton, Shawnee county; Ramona Anderson, Lyon county; Lorene Clark, Sumner county.





**Grand champion award at 1947 Missouri State Fair won by W. S. Buckley, Garden City, on Holstein cow. Buckley, who breeds registered Holsteins at Breezy Lane Farms, also won grand championships on his Holsteins in '39 and '40 at Missouri State Fair, and in '35 at American Royal Stock Show.**

**Hunts quail, does trap shooting. Likes baseball. "Years ago I heard baseball players talking about Wheaties. So I tried them," says W. S. Buckley. "Wonderful taste. What a combination—Wheaties and milk or cream from my Holsteins!" Flakes of 100% whole wheat! Famous training dish, with milk and fruit. Second-helping good. Wheaties, "Breakfast of Champions!"**

**General Mills**



**50% MORE!** Extra-Big-Pak of Wheaties holds 50% more than regular package. Just right for he-man appetites. Plenty for "seconds". Had your Wheaties today? Ask for the new Extra-Big-Pak at your grocer's!

## Week End of Fun

**A** WEEK end of fun is in store for Kansas Flying Farmers who participate in the annual spring tour. It will consist of a visit to Lebanon, Mo., where the Missouri Flying Farmers are having their annual meeting Saturday, April 24. The day selected by the Missouri group coincides with the dedication of Skyway 1, which passes over Lebanon.

Tentative plans call for a beeline tour across Kansas, on Friday, April 23, according to Norman Clothier, Florence, chairman of air tours. Schedule of this flight will be announced later, so look for it in Kansas Farmer.

Missouri Flying Farmers announce their program will begin right after lunch on Saturday with the dedication of the Skyway receiving first consideration. After this short program, a tour of grade-A milking barns in the vicinity has been arranged.

Saturday evening the Missouri flyers have arranged a banquet which will be served in the Community Center at Lebanon. Chief speaker of the evening will be J. W. Burch, director of extension, Missouri University. Kansas flyers will be interested in knowing Mr. Burch. He has been an important cog in the wheel that is turning out better farms in that neighboring state.

After breakfast Sunday morning, several courses will be open. Lebanon churches invite flyers to attend their services. Flyers who would like to try their hand at fishing will have an opportunity to test their skill at the Bennett Springs State Park, near Lebanon, which is a fisherman's paradise.

After that flyers can select their own routes. But one suggestion is a flight over the Lake of the Ozarks region, a short distance north of Lebanon. Missouri flyers suggest a stop could be made at the new airport near Bagnell dam.

Interesting work in soil conservation could be viewed also on this trip in the vicinity of Tipton, north of the lake region.

## Co-operatives Meet May 5

**T**HE fourth annual convention of the Kansas Co-operative Council will be held at Salina, Memorial Building, May 5, 1948. This promises to be by far the largest annual convention.

Special speakers from outside the state will be Gene Hensel, attorney, Columbus, Ohio, legal counsel for the National Association of Co-operatives, Chicago; and Jerry Voorhis, former congressman from California, now executive secretary of the Co-operative League of America, Inc., Chicago. Mr. Hensel is an attorney of national prominence, who will discuss the legal and tax angles of the co-operatives. Jerry Voorhis, one of the most prominent men in America, will give the main address of the convention in the evening.

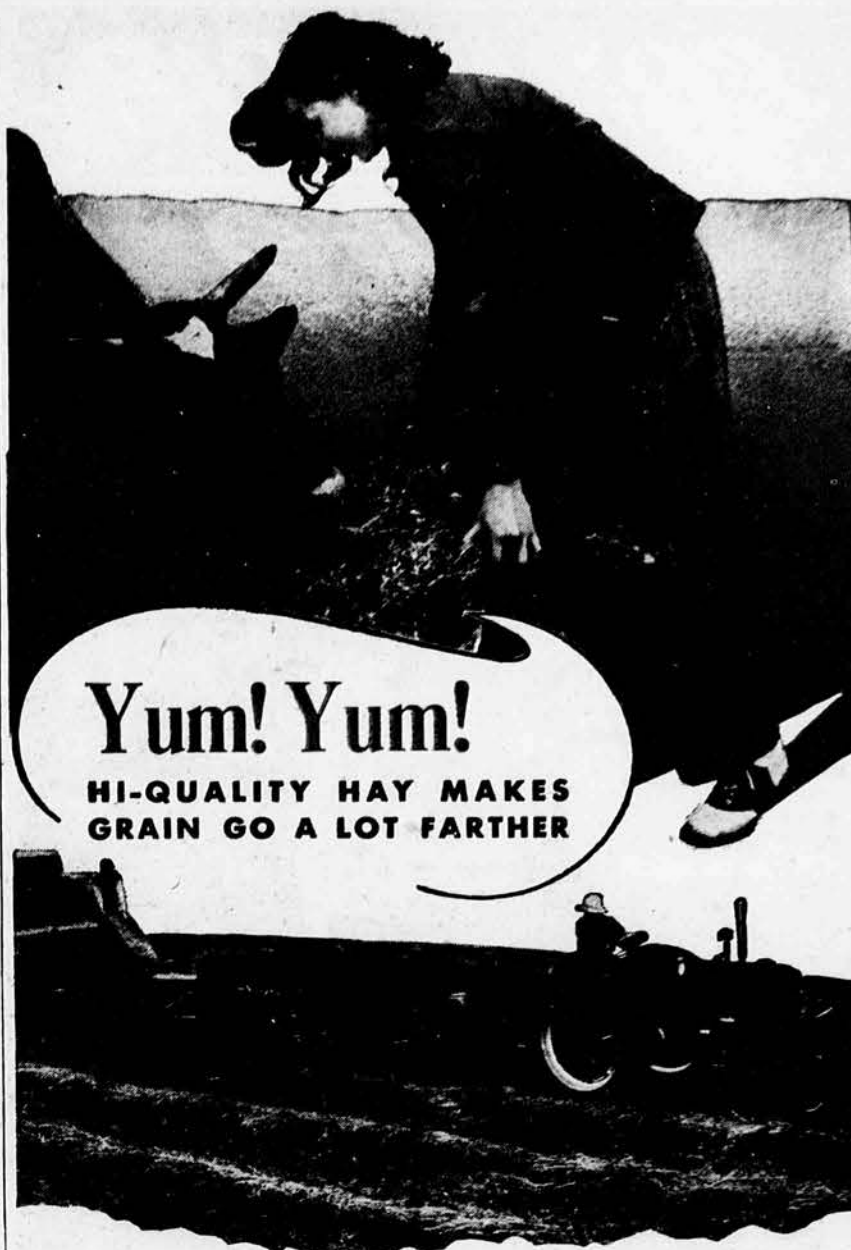
In addition to these 2 outstanding speakers, there will be a special recognition service for Ralph Snyder, who is retiring June 1 as president of the Bank of Co-operatives at Wichita. Ralph Snyder has devoted his entire life to agricultural interests in the state. This recognition service will take place in the evening just preceding Mr. Voorhis' address. There will be many other features of importance, the entire day being filled with reports and discussions.

## Long Pasture Season

Several farmers in Nemaha county have been stretching their pasture season successfully with a combination of brome and lespedeza.

Lawrence Watkins, of that county, is planning 60 acres of brome-lespedeza this year to expand grazing for his 50 head of yearling steers and, of course, cut down on the amount of grain needed.

The Watkins program calls for purchasing yearling steers in the fall. These steers are wintered on roughage, then grazed thru the summer. Feeding is started on grass about August 1, and the steers then are finished in the lot with a 30- to 45-day feed, starting in October. This program puts them on the market just ahead of the short-fed cattle run.

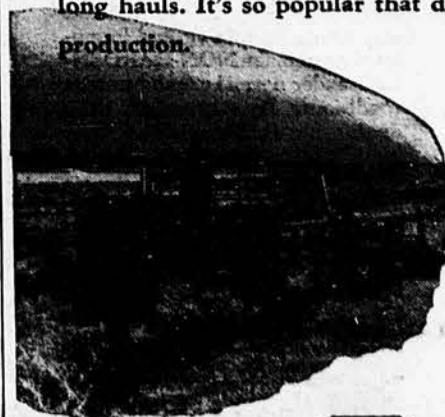


## Put it Up at its Peak with a CASE Slicer Baler

● Every pound of digestible protein and carbohydrate you can preserve in your hay saves precious pounds of grain and purchased concentrates. Every hour of needless exposure in swath or windrow robs hay of nutrients, color, palatability and vitamins.

With a Case Slicer-Baler you can start baling the minute that hay is cured enough to keep, hustle it into the safety of the bale before bleaching and shattering take their toll. You run less risk of damage by rain and dew.

It's the baler so simple that boys operate it, so moderate in cost that most any farmer can afford his own. It takes hay from windrow to wagon in one swift operation—no heavy lifting from the ground. It uses the strong, standard wire tie—builds firm bales that stand up under grapple-hook hoisting, rough handling and long hauls. It's so popular that demand runs ahead of increased production.



**New! Roller-Bearing Side Rake** with needle-type roller bearings, dirt-sealed and pressure-lubricated at every vital point on reel bars and tooth-angle control. Roller-bearing rear wheels, too. See your Case dealer. Send for booklet "High-Protein Hay," also folders on Slicer-Baler, mowers, rakes, any implement or size of tractor you need. J. I. Case Co., Dept. D-47, Racine, Wis.

# CASE





# CORN CRIB

## LOW?



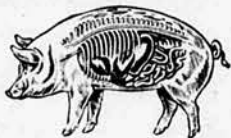
### MAKE EVERY BUSHEL COUNT

#### Feed Morton's Free Choice Salt

IN terms of feed, a pound of salt is equal to 151 pounds of corn. Purdue University Tests prove this. Given salt free choice, hogs needed 151 pounds less corn to reach market weight than hogs which got no salt.

This means that salt will s-t-r-e-t-c-h an otherwise short supply of corn . . . permit you to raise more stock . . . lengthen the spread between feed costs and market price . . . increase your profits.

For best results, feed salt free choice to hogs, dairy cows, meat animals, and sheep. Put a few salt feeding stations around your farm, and use Morton's Free Choice Salt.



Salt is more than an appetizer. It is vitally needed for the proper digestion. It supplies the chlorine for hydrochloric acid, the sodium for bile, without which proteins, fats, and carbohydrates are not digested and assimilated, but wasted.



All livestock do better and are more profitable when fed salt free choice. It helps them convert feed into profits much faster, at lower cost — and as nature intended.

## MORTON'S

### Free Choice

## SALT



### NON-HARDENING

under normal use  
and storage conditions.

Morton's Free Choice Salt is especially developed for livestock feeding. It's pure — easy to feed and easy to use for mixing, and formulated to remain NON-HARDENING under normal use and storage conditions. Be sure to ask your dealer for it BY NAME . . . MORTON'S Free Choice SALT.

#### FREE BOOKLET ON FREE CHOICE FEEDING

Every farmer and feeder needs this practical, well illustrated, 40-page booklet which tells in detail how to feed salt for greatest gains. Only book of its kind. Postcard brings you free copy by return mail postpaid. Morton Salt Co., Chicago 4, Illinois



## More Interest in Fruit

By JAMES SENTER BRAZELTON

AT THE annual spring get-together meeting of Doniphan county fruit men, presided over by W. G. Amstein, extension horticulturist, Kansas State College, a lively interest in current problems was shown. The meeting was held on March 18 in the headquarters of the Doniphan County Farm Bureau. Despite unfavorable returns from the 1947 crop, there is a revival of interest in fruit growing here.

Mr. Amstein brought out the fact that the national fruit picture is changing rapidly, and showed that apples produced in this section must compete in the stores with high-quality apples grown in the Pacific Northwest. It is now virtually impossible for local growers to sell apples to the grocery stores in Troy or Wathena. The grocers contend their customers will not buy the home-grown fruit, but they have no trouble in disposing of Washington and Oregon apples.

The speaker expressed the hope that the price structure had leveled off and that we already had reached our low as far as fruit prices are concerned. "If we work as hard to move the good apples as we do the poor ones I am sure we will meet with much greater success," Amstein contended.

The apple marketing package came in for a great deal of discussion. It seemed to be the general opinion that we would soon be compelled by buyer demand to make a change in containers. Years ago, of necessity, the grower was forced to switch from the barrel pack to the basket. The basket has proved unsatisfactory because it permits of too many bruises in handling and in storage. Heads of the chain stores, the speaker said, prefer 5-pound mesh bags. A committee was appointed to investigate the packaging and container problem. This committee consists of the managers of the apple packing co-ops at Wathena and Troy, George T. Groh and Taylor M. Bauer, independent apple packers.

The matter of apple varieties was discussed briefly, especially the red strains or those produced from red bud sports. The new red variety, Joan, was vigorously condemned because of its poor quality and the fact that it is so susceptible to twig blight.

Of recent years it seems that apples have not been keeping as well in cold storage as formerly. Several theories as to the cause were advanced. It was agreed that the break-down in storage is due to an over-ripe condition of the fruit at the time it enters storage.

Some thought the new hormone sprays, used to prevent premature drop, may be responsible. Others were of the opinion that overfertilization of the trees, especially with nitrogen, could be the cause. Mr. Amstein suggested the break-down might be due to boron or magnesium deficiencies in the soil.

The spray schedule for the coming season was discussed at some length. Speaking of peach leaf curl, Amstein laid special emphasis on the fact that peach trees must be sprayed in the dormant stage if the disease is to be controlled. To wait until the leaves begin to curl is too late. A 4-4-50 Bordeaux mixture will give good control. If San Jose scale is present the horticulturist recommended adding enough dormant spray oil to make at least a 3 per cent strength. Liquid lime sulfur at the rate of 1 gallon to 8 gallons of water also can be used to control both curl and scale.

Mr. Amstein mentioned anthracnose of black raspberries and said it was this disease, rather than dry weather, that was responsible for such great loss at picking time. To control this disease it is necessary to spray the plants with dormant strength liquid lime sulfur, 1-8 just before the buds begin to swell.

Some of the new fungicides were discussed. Speaking of Fermate the speaker did not recommend it for apple scab but said the old stand-by, liquid lime sulfur is still the most effective fungicide for this purpose. Apple blotch, however, is a disease that Fermate will control, and it also is quite effective against black rot in grapes.

For codling-moth control the speaker recommended DDT at the rate of 1½ pounds of 50 per cent wettable in 100 gallons of water to be used in the first 6 or 7 cover sprays. Amstein cautioned the growers not to use DDT in compounds with lime or other alkalis.

Elbert Eshbaugh, resident entomologist, discussed the 2 new miticides, DN111 and DN Dry Mix No. 1. These are for control of the 2-spotted mite which became such a menace after DDT began to be used so extensively. Recommended dosage for DN111 is 1 pound in 100 gallons of water with the DDT. This material is to be used when the temperature is less than 90 degrees F. Eshbaugh said that thoroughness of application is a prime requisite, and he advised spraying the tree from the inside out, being very careful to see that the underside of the leaves are covered.

## No Flies In Kiowa

By E. G. KELLY, Kansas State College

IT HAS been proved conclusively that cattle sprayed correctly with DDT at the right times are free of horn flies thruout the summer. It also has been proved that houseflies and stable flies can be kept well under control by spraying barns, poultry houses, and other outbuildings on the farms with a stronger solution of the DDT.

In late December, 1947, entomologists of the U. S. Department of Agriculture and the Bureau of Entomology and Plant Quarantine, had a conference with Ray Cuff, of the National Livestock Loss Prevention Board, Kansas City, Mo.; Will J. Miller, livestock sanitation commissioner, Topeka; and the Extension entomologist of Kansas State College, Manhattan, for the purpose of making plans to further extend our knowledge of fly control on the farms and in the towns. It was decided to select a definite area that could be cleaned of every horn fly and most of the house and stable flies; Kiowa county has been selected as that area.

There are several counties in Kansas that might have been selected, but Kiowa county seemed to be the one best suited to undertake the demonstration. It was in Kiowa county that one of the first herds of cattle was sprayed with DDT. This herd of cattle was on the Greenleaf ranch. John Smerchek kept excellent records of the tests and these records are now history.

On Saturday, February 28, Dr. E. W. Laake and Charles L. Smith, of the U. S. Bureau of Entomology and Plant Quarantine; Ray L. Cuff, of the National Livestock Loss Prevention Board; and the writer, met with the Kiowa County

Farm Bureau board of vice-presidents, the county agent, John Smerchek; and the mayors of Haviland and Greensburg, to complete the plans for the fly clean-up.

The Kiowa county cattlemen who have big cattle herds, down to the farmer with one milk cow, are in favor of the fly clean-up program, while the towns of Greensburg, Mullinville and Haviland are enthusiastically looking forward to having all barns, poultry houses, garages, fences, and every place a fly can alight, sprayed.

The plans called for spraying every stock barn, crib, empty grain bin, and other outbuildings, wherever located on the farm or ranch, by the time the first fly showed up this spring. That means farm and town spraying started by the first of April. The cattle are being observed daily beginning April 1 by the county agent, cattlemen and farmers. Homer Fairchild from the Kerrville, Texas, Station of the Federal Bureau of Entomology and Plant Quarantine, arrived April 1, to assist in observing the cattle for the appearance of the horn flies, and will assist in determining the date to begin spraying the cattle.

There are enough sprayers in the county to get every cow, calf, and steer sprayed in 8 to 10 days.

The object in getting every animal in the area sprayed is to keep the flies from developing a second and additional broods. Get the first ones and there should not be any more. It is a big job ahead, but the Kiowa county farmers and town people are determined. That means—Look Out, Mr. Fly!



# STAR SPANGLED NEW!



Hub caps at extra cost when available.

## Excitingly MODERN! Strikingly DIFFERENT!

### ★ 2 NEW BIG JOBS!

Biggest Ford Trucks ever built! 145 H.P. engine! Up to 21,500 lbs. G.V.W.! Up to 10.00-20 tires!

### ★ NEW MILLION DOLLAR TRUCK CAB!

With living room comfort! Biggest contribution to driver comfort in 20 years! New 3-way air control. New coach-type seats. New picture-window visibility! New Level Action cab suspension!

### ★ 3 NEW TRUCK ENGINES!

A new Six, two new V-8's! Most modern engine line in the truck field! Up to 145 H.P.! High turbulence combustion chambers! New Loadomatic ignition! 4-ring pistons!

### ★ OVER 139 NEW MODELS!

Widest job coverage in Ford Truck history! Cab-Over-Engine and conventional chassis! Panel, Pickup, Express, Stake and Platform bodies! G.V.W. ratings 4,700 lbs. up to 21,500 lbs.

Listen to the Ford Theater, Sunday afternoons, NBC network. See your newspaper for time and station.

## Hottest truck line in history . . . from the Leader in Trucks Built and Trucks in Use!

Our trucks are red-hot. That's because they're brand new. Ford **Bonus Built** Trucks for '48 are brand new in every important way but one!

Big exception is truck-building know-how. That isn't new with us. We've been building trucks for over 30 years. We've built more trucks and picked up more truck know-how than anyone else!

From a combination of the NEW in truck engineering and the KNOW-HOW of truck experience, you get new thrift! . . . new performance! . . . new reliability!

In Ford Trucks you get **Bonus Built**

construction, the extra strength that pays off two ways. First, Ford **Bonus Built** Trucks are not limited to just one job, but are good all-around workers in a wide range of jobs. Second, Ford Trucks last longer. Life insurance experts *certify* proof that Ford Trucks last up to 19.6% longer!

Drop in on your Ford Dealer to size-up the new engines . . . new cabs . . . new BIG JOBS . . . over 139 new models in the biggest Ford Truck line in history!

\*BONUS: "Something given in addition to what is usual or strictly due."—Webster's Dictionary.



**BUILT STRONGER TO LAST LONGER**

**LIFE INSURANCE EXPERTS PROVE AND CERTIFY . . . FORD TRUCKS LAST UP TO 19.6% LONGER!**



● It's new... simple... rugged! Twice over any plowed field with the SOIL SURGEON gives you a finer, smoother seedbed than you can get with any other implement, or any combination of other implements. See the SOIL SURGEON now... for faster, more thorough soil preparation!



...for the  
finest  
seedbed

in  
the  
shortest  
time...

Soil Surgeon

See the Soil Surgeon  
at Your Dealer's

**CORSON BROTHERS, INC.**

627 NORTH EAST STREET • INDIANAPOLIS 2, INDIANA

## AMES PORTABLE EFFICIENT WATERING EQUIPMENT for 37 Years



HELP  
Save Time and Work  
with

**AMES  
PORTABLE  
Perf-O-Rain  
gentle RAIN**

Full germination, steady growth, quality crops, maximum tonnage. In use from Miami to Honolulu, New England to San Diego. Lightweight, portable one-man systems. No Sprinkler heads. Low pressures. Low costs.

and also:

- Portable SURFACE PIPE for Flooding
- Portable GATED PIPE for Furrowing
- SYPHONS • FURRO-TUBES

Pasture • Corn • Beets • Potatoes • Citrus  
Nuts • Fruits • Truck • Berries • Alfalfa

Send coupon below to nearest plant

**W. R. AMES CO.**  
150 Hooper Street • San Francisco 7

W. R. AMES COMPANY, Dept. L, 150 Hooper Street, San Francisco 7, California  
or Dept. L, 3905 East Broadway, Tampa 5, Florida

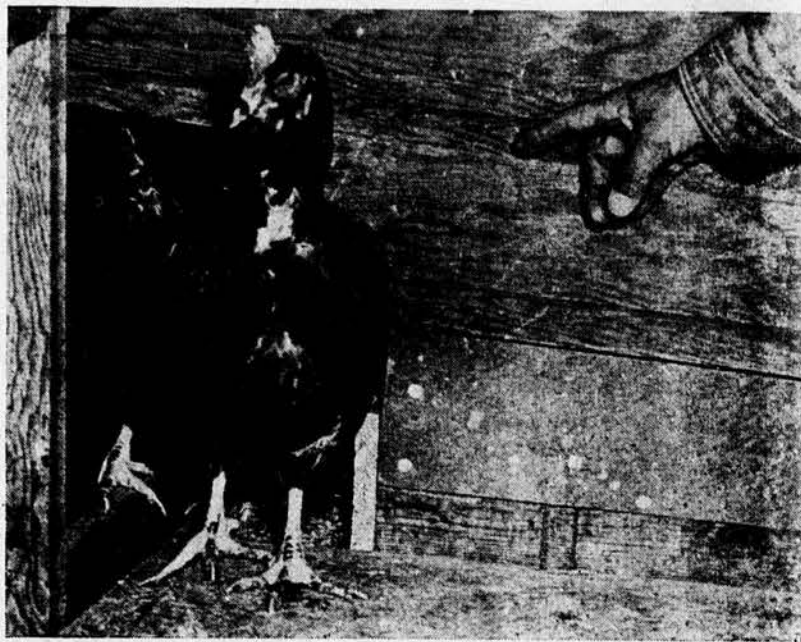
Gentlemen: Please send me free your illustrated folder and layout chart. I am interested in:  
Sprinkler ☐ Flood ☐ Furrow ☐

Name..... Town.....  
Address..... State.....

## Makes Layers Pay

Leroy C. Meek Uses Modern Equipment to Reduce Labor

By ED RUPP



Two New Hamp layers on the Leroy C. Meek farm, Saline county, leave the community nest. Instead of entering directly into the compartment, this opening leads to a runway which extends the full length of the 10-foot structure. Layers can enter the nest from any location along the runway. It reduces crowding and improves ventilation in summer.

ARE you discouraged with your poultry program? Perhaps a talk with Leroy C. Meek, Saline county, will give you new hope. Between one third and one half of his gross income from his 160-acre farm comes from his flock of 1,000 layers. Net income may not have been as good last season as other years, but he is not getting out of the poultry business. On the contrary, he is staying right in. You can't make a go of it by getting in and out, he explains.

His first move toward efficient operation was construction of a low-cost laying house. His laying unit consists of 3 compartments. One wing of the structure is a 2-story unit, the other is a single-story unit and adjoins it at a right angle. Open front of the 2-story structure faces south, the 1-story unit faces east.

Built on a slope, a certain amount of excavation was necessary for the 2 lower units which make them exceptionally comfortable both winter and summer. But layers in the upper story do all right, too.

Mr. Meek took down an old barn and used the material to build his 1,000-layer unit. Total cost was surprisingly small for its size, only \$1,200. That cost was covered by his layers with ease, figuring only the net income for a few months of one season.

Each of the lower compartments measures 24 by 50 feet. The upper compartment is 24 by 40 feet, 10 feet having been taken off one end for a feed room. Floor of the feed room is at ground level from the north side of the house. When the unit is fully completed, Mr. Meek will be able to drop mash or grain thru special chutes to

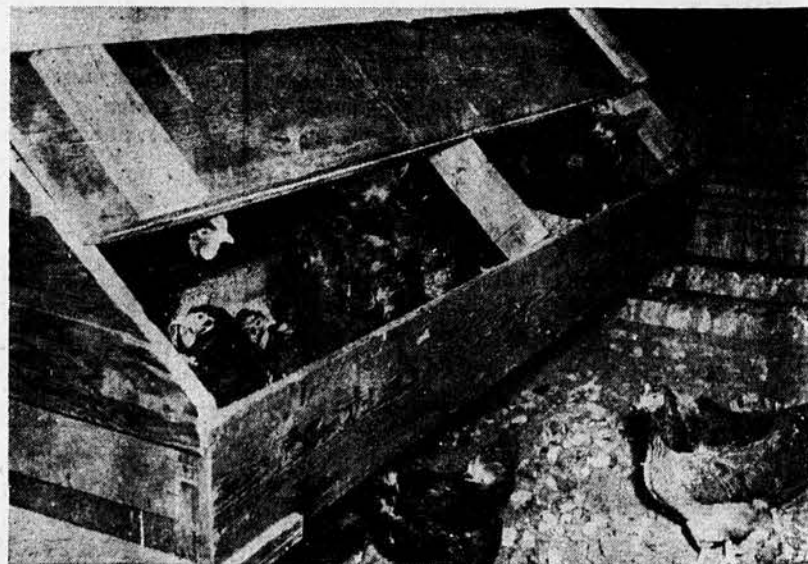
the compartments below. Entrance to the upper compartment, of course, is thru a connecting door like in any modern laying house.

During the first part of last year he had only 700 layers. When his new flock of New Hampshire pullets was ready for the laying house last fall, the total number was increased to 1,000. Even so, his flock produced 9,500 dozen eggs last year. And since he markets eggs on a graded basis, the average price thru the year was 41½ cents a dozen. He figured his return averaged about 8 cents a dozen more thru the year than he could have obtained from an ungraded market.

You can guess from that he believes strongly in marketing eggs on a graded basis. More than that, Mr. Meeks asks why, when we have a marketing law to candle eggs, it is not enforced? Also, he believes eggs should be sold on a weight basis, rather than a price per dozen. Except for size, he points out that pullet eggs are the best on the market. And, if they were sold by the pound, older hens would be better able to stay up with faster-laying young pullets. He has an idea there to work on.

In addition to the improvements he has planned for his feed room, Mr. Meek has installed water pipes into each compartment. When he gets these lines connected with his water system, he believes he will be able to care for his large flock with very little more labor than would be required for the average farm flock of 200. And there is a point. If you are going to produce more eggs than you need for your fam-

(Continued on Page 19)



Layers like to crowd together, according to Mr. Meek. That is why he approves the community nest. It gives them room to get together without breaking eggs and without suffocating some hens. As many as 70 will be in the nest at one time in the morning, he says.





This wire-covered platform for the trough-type feeder on the Meek farm helps keep litter clean. And if the feeder is built large enough and filled only part way, there is hardly any waste of mash.

ily, plan your laying flock for 300 or more. The labor output for a large flock is very little more than that required for a small flock.

There are several other angles to his management that are worth mentioning. Lights are turned on automatically in his laying house at 4 o'clock each morning. But he lets the layers go to roost in the evening. He believes in the old saying, "Early to bed, early to rise—" And don't turn layers out of the laying house. Keep them penned up and they will eat and produce, he says. Let them range out and they will forget what they are supposed to do. They don't pick up enough food outside of the laying house anyway to make any difference.

Keeping them in the laying house prevents the possibility of grassy eggs in spring and summer. Grassy eggs tend to lower the market value and it is an important point to watch when selling on a graded basis.

Feeders and nests, too, are another important factor in Mr. Meek's poultry program. His community-type nests tend to prevent breakage, which means clean eggs. In 2 of the units he has 2 single-type community nests. In the other he has one double compartment nest. These nests are 2 by 10 feet in size and as many as 70 layers will get in together at one time. Still he has very few broken eggs.

He really likes these nests. Hens habitually like to get into the same nest. With this arrangement they can and there is no danger of breakage and no danger of hens being smothered.

He added his own improvement to the standard community nest. The end openings lead into a long runway that extends the full length of the structure. From this runway hens can hop into the nest at any point along the line. The end entrance to the original community nest was directly into the laying compartment.

His plan serves a double purpose. There is less danger of hens scrambling over other hens in the nest when entering. Then, covers for the openings are not necessary and better ventila-

tion is possible during the warmer days in summer.

Feeders are placed on wire-topped platforms. These platforms are built with 1- by 12-inch lumber and are 3 feet wide. The covering is muskrat wire with 1- by 2-inch mesh. It helps keep the house much cleaner, droppings gather in the enclosure. And there is no waste of mash. Build the feeders twice as big as they need to be, he says, then fill them only half full twice a day. The waste will be very slight.

His feeding methods can be duplicated quite easily. He mixes his mash which contains plenty of corn. He keeps oats before his layers at all times and feeds them whole-grain corn at night. The main point is that his layers never are out of feed.

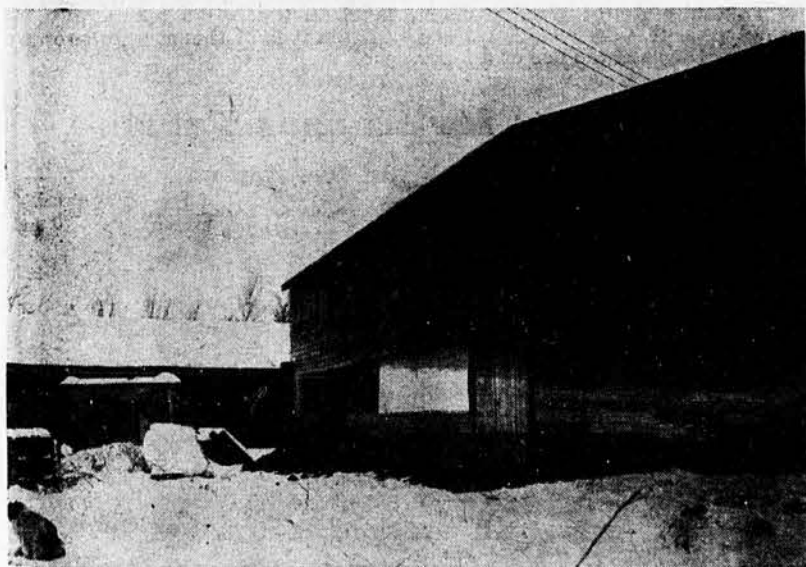
In addition to other equipment in his laying house, Mr. Meek uses droppings pits and corncob litter, which means his laying house needs to be cleaned only a couple of times in a year. That also means labor saved. Actually, he believes it requires no more than 1 hour of work a day to tend this large flock.

It all adds up to good management with labor cut to a minimum. And good management of your poultry flock can make the difference between profit and loss in a bad year. It makes the difference between big and little profit in an ordinary year.

### Lose a Friend

Marion Russell, 77, a member of the Kansas Master Farmer class of 1928, died March 18, at his home in Garden City. Mr. Russell was one of the largest wheat operators in Southwest Kansas. During 1947, he harvested wheat in 5 Southwest Kansas counties.

A resident of Finney county for 25 years, he also had lived in Pratt and Russell counties. Mr. Russell had been in failing health for several years and had been bedfast for 6 months prior to his death. A daughter, Mrs. Frank Crase, of Garden City, was selected as a Master Farm Homemaker in the class of 1947.



This view of the Leroy C. Meek laying house is from the southeast. It holds 1,000 layers and cost only \$1,200; a charge of \$1.20 for each layer in one year will pay for the house. Ground level is even with the second floor on the back side. This is the first year he has had layers in the second story and bad weather had prevented cleaning up after the structure was completed.

## THEY CHANGED TO DE LAVAL MAGNETIC SPEEDWAY MILKING...

and  
here's  
why!



"LESS HAND STRIPPING"—A. L. Kiester, Fairmont, Minn., says: "I changed over to the De Laval Magnetic Speedway after using a milker with pail type pulsator because the De Laval Magnetic is the only one that can guarantee uniform milking. No adjustments have to be made while milking. I have less hand stripping to do."



### "THE ONLY MILKER"

O. H. High, Ohio City, Ohio, whose two sons are shown, is a dairyman and milk hauler. He says: "Having previously used a milker in which a surcingle was a 'must' and having the opportunity to observe all makes of milkers on my milk route, I concluded that the De Laval Magnetic Speedway was the only milker for my herd."

### "EASIER TO OPERATE and DO BETTER JOB"

Mr. Ed Frye, Aplington, Iowa, tells us: "I changed to De Laval because I found that with other makes I was having udder trouble. Because of the simplicity and dependability of magnetic pulsations my 12-year-old son and I find the De Laval easier to operate and do a better job of milking with."



Now's the time for YOU to change  
to the NEW DE LAVAL!



### ONLY DE LAVAL

Only the De Laval Magnetic Speedway Milker gives you the "Magnetic Heart" which assures UNIFORM milking and which means the highest milk yield per cow and greatest profits.



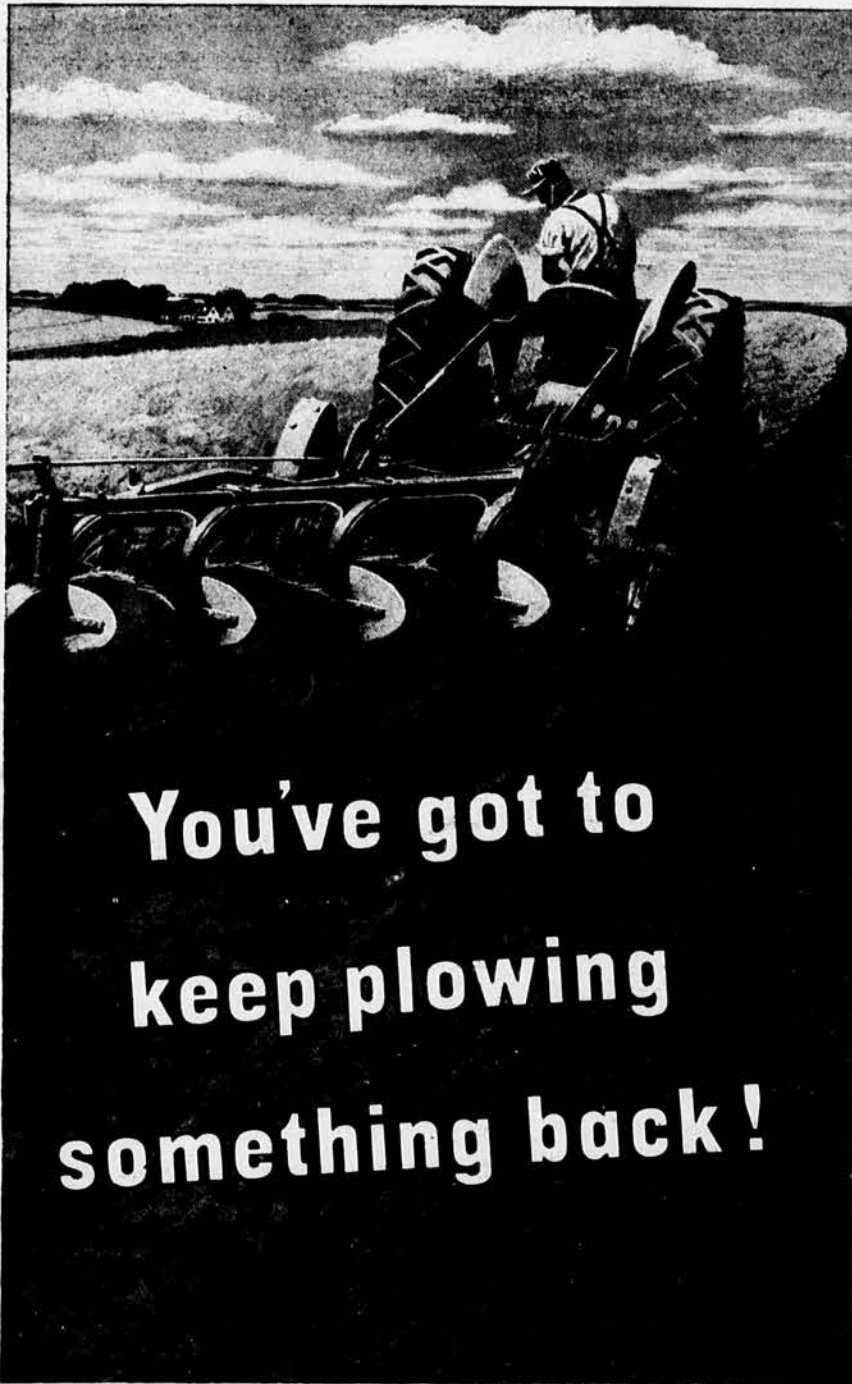
The De Laval Separator Co., Dept. 22-8, 165 Broadway, New York 6, N. Y.

Please send me printed matter on:

- |  |   |
|--|---|
| <input type="checkbox"/> De Laval Milkers    | <input type="checkbox"/> De Laval Water Heaters |
| <input type="checkbox"/> De Laval Separators | <input type="checkbox"/> De Laval Milking Truck |
| <input type="checkbox"/> De Laval Freezers   | <input type="checkbox"/> De Laval Can Hoist     |

Name \_\_\_\_\_  
Town \_\_\_\_\_ RFD \_\_\_\_\_ State \_\_\_\_\_





**You've got to  
keep plowing  
something back!**

**You've got to keep plowing back in railroading too.**

In railroading, you've got to keep plowing money back. New money is needed continually for new, more efficient rolling stock, for better roadbed and tracks, improved signals. New money is needed for a thousand improvements in plant and equipment—to insure better and better service—to keep open national markets for your products—to do a better job for you.

The ability of the railroads to obtain this money depends upon railroad earnings. And adequate railroad earnings depend upon rates and fares in line with today's costs of producing freight and passenger transportation.

It's good business for your railroads to be allowed rates which will enable them to maintain the transportation service you need.

For everybody's business is linked vitally to efficient, economical railroad service. Everybody's business—including yours!

## Association of American Railroads

WASHINGTON 6, D. C.

## Making Up for Lost Time

Seed Treatments and Starter Solutions Will Help

By W. G. AMSTEIN, Kansas State College

**W**ITH the vegetable-planting season delayed in most sections until recently by some "mid-January" weather, every practical device to make up part of this seasonal delay seems desirable. The use of seed treatments, starter solutions and insect-control devices are some of the garden practices needing to be emphasized now.

Seed treatment will accomplish a good deal towards speeding crops along with little delay from many disease losses. Seed decay and damping-off in particular can be controlled by dusting the seed with various chemical compounds.

There are several chemical dusts available that are useful on vegetable seeds including (1) SPERGON which can be used on any kind of vegetable seed, (2) SEMESAN useful on any seed but lima beans, (3) ARASAN suggested on any seed but lettuce, and (4) RED COPPER OXIDE (Cuprocide) useful for controlling damping-off. But it should never be used on cabbage, cauliflower or related plants, or on onion seed or sets, or lima beans.

If you have not planted your potatoes you will find that seed treatment of Irish potatoes usually will pay extra good dividends even where certified seed is used. Rhizoctonia, the dirt that will not rub off, and seed piece decay are 2 of the common losses noticed most years. Another common plant loss is due to black leg that causes the stem to rot off at the ground line.

There are several seed treatments for Irish potatoes. One of the treatments generally suggested requires 8 to 10 minutes of treating time. This has kept many from treating, figuring they did not have time to spend waiting on the treatment.

### Done in an Instant

To meet this objection an instant-dip method for treating Irish potatoes with acid corrosive sublimate is now available. In one quart of hydrochloric acid, 9 ounces of corrosive sublimate are dissolved. This mixture is then placed in 25 gallons of water. Several sacks of potatoes can be treated before it is necessary to add to this mixture to bring it back to its original strength and ready to use again.

For home gardeners needing to treat only a small amount of seed, this mixture can be made up in proportionately smaller amounts. Have your druggist mix two-thirds ounce of corrosive sublimate and 2½ ounces of commercial hydrochloric acid. When seed is ready to be treated, add this mixture to 2 gallons of water, and dip the potatoes in this solution. This is enough solution for 100 pounds of seed. DO NOT USE METAL CONTAINERS for treating equipment.

Corrosive sublimate is poison. Care is needed in handling this poison mixture to keep it away from livestock or the family.

It will soon be time to bed sweet-potato seed. Wettable Spergon used at the rate of 1 pound to 8 gallons of water is a useful material to use if black rot is not present. Where black rot is a problem on the seed the use of a 2 per

cent Dithane D 14 solution as an instant dip before bedding sweet-potato seed is suggested.

A safe and economical way to speed up the growth of newly set plants is to use a starter solution. Cabbage, tomatoes and many other crops can be treated in this manner. This method requires little fertilizer and results in early maturity. It, however, does not take the place of, or need for, a general fertilization program.

A starter solution is prepared by dissolving one pound of a regular fertilizer, such as a 4-12-4, 5-10-5, 6-30-0 or 10-20-0 in 5 gallons of water. After the material is well dissolved, one-half pint of this solution is placed in each hole after covering the plant roots with soil. The solution can be used along the side of row crops. This mixture should not come in contact with the foliage. Do not expect all of the fertilizer to dissolve since some of it may be a carrier and will not go into solution. In a late planting season such as this year, the use of dissolved fertilizer materials certainly will make for earlier production.

### Poison the Cutworms

Every gardener recalls losing some extra fine early plants from cutworms. Protection from this damage can be had by use of poison bait. Another practice often followed is to wrap the stem of the cabbage, tomato or other transplant with a piece of paper that extends both below and above the ground line. This serves to protect against many types of cutworms. Some protect plants with a tin can that is sunk into the ground an inch or slightly more.

In large garden areas a poison bran bait can be made by mixing one peck (5 lbs.) of wheat bran and one-fourth pound of Paris green. Then adding water and stirring the mixture thoroly until each portion of the material is moist. The bait should be prepared in the morning and scattered late in the day. This will leave it moist and attractive for the cutworms when they start to feed in the evening. The bait should be scattered evenly and lightly on the garden or around the plants that have been set out. It may be necessary to repeat the treatment when later plantings are made.

Many newly set onion plants, cabbage, tomato and other plants are injured by thrips and aphids. A mixture of 1½ teaspoonfuls of 40 per cent nicotine sulphate in 1 gallon of water to which 1 tablespoonful of soap powder has been added will serve as a solution to treat the plants before they are set out. The mixture should be well stirred and the tops of the plants dipped before planting.

Early season losses from chewing insects, such as green cabbage worms and many of the sucking insects including plant bugs and aphids, can be controlled by the use of rotenone as either a spray or dust. In buying rotenone as a dust a 1 per cent or 1½ per cent material should be used. Read the label on the package carefully to be certain it is of this strength to do the job.

## Seedlings for Kansas Farms



J. G. Harrison, nurseryman, and Roy M. Davis, S. C. S. Forester, inspect Chinese elm seedlings at the Kansas State Nursery, Hays. These seedlings will be distributed to Kansas farmers this spring.



# Everything but the squeal? ... Not quite

Utilization of livestock by-products is important to all farmers and ranchers. Of the total dollars received by Swift & Company for lambs, 15% to 25% comes from by-products. Cattle by-products amount to 10% to 20%. With hogs it is 2% to 5%. When bidding on live animals, Swift & Company's buyers estimate the yield and grade of edible meat. In their estimate they figure, too, the value of all by-products, including hides and wool.

Livestock by-products have greatly increased the value of your meat animals. Since earliest times, man has used hides and wool to make clothing. But only in the past half-century has research found the present great variety of uses for by-products. Fats, and lanolin from wool, are the base of many cosmetics, healing creams and beauty aids. Photographic film is coated with a gelatin compound. Other uses of gelatin and glues are almost endless. Animal fats are the main raw material of toilet soaps.

Life has been lengthened for people with diabetes, anemia and other diseases. They are helped by drugs such as insulin, liver extract, pepsin, adrenalin. These are all made from the glands of livestock. But for the painstaking care of meat packers, these glands would go to waste. This happened during the wartime "black market" in meats, and the supply of insulin ran low.

With the growth of meat-packing plants, the war on waste began in earnest. Science found new ways to use by-products of your animals. Bristles make brushes. Bones make knife handles. Hair makes upholstery padding. Bones, blood and scraps go into animal and poultry feeds. Yes, we find use for every valuable part of cattle, hogs, and lambs.

Each new use for by-products adds value to livestock... and directly benefits producers.

## OUR CITY COUSIN



## Gage Rate of Planting Corn by the Yield Expected

by George H. Dungan  
University of Illinois



G. H. Dungan

Proper balance between the number of plants per acre and the ability of your land to produce, is needed for maximum corn yield. On the average, corn yields are highest when the ears weigh approximately 1/2 pound each.

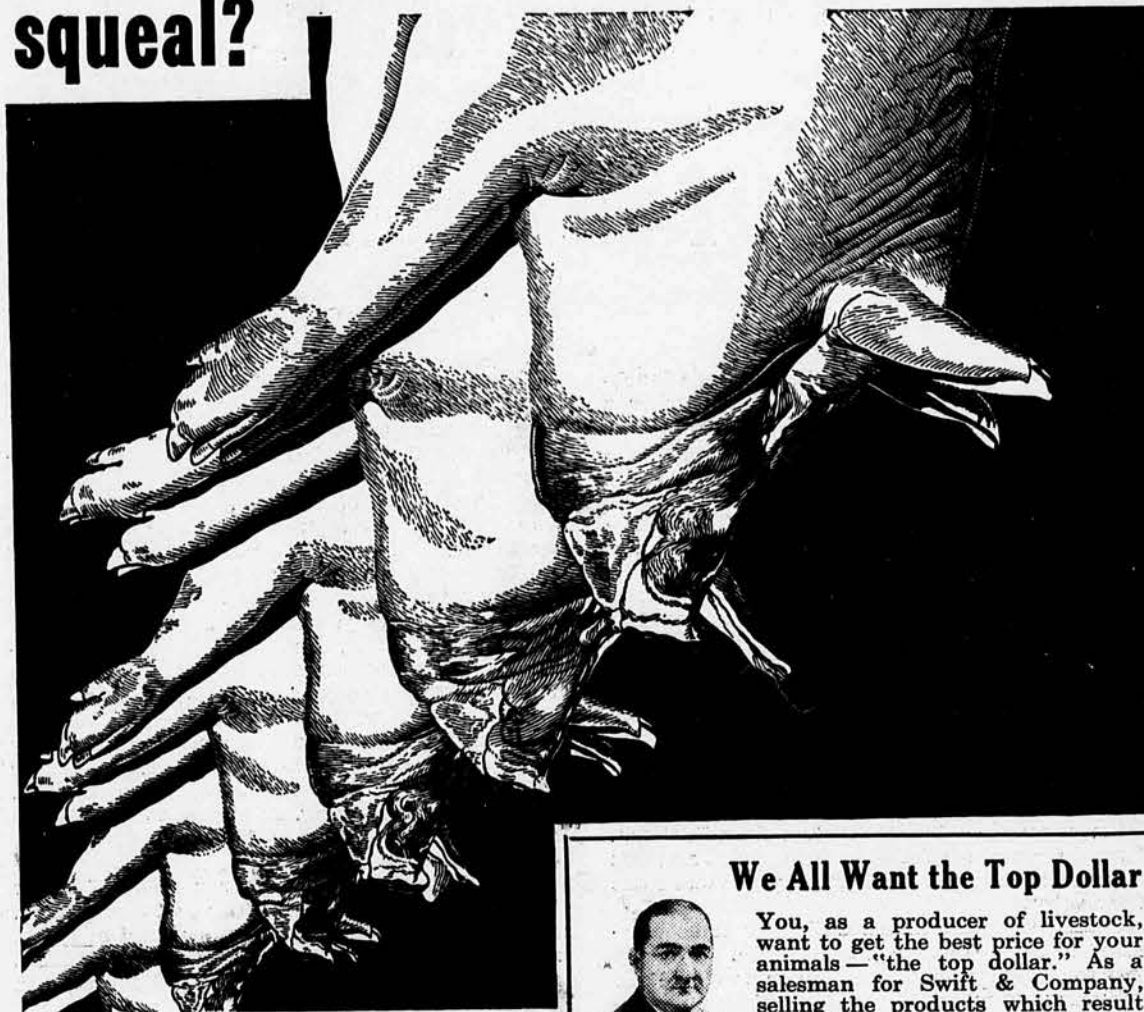
Use of the average size ear, as a good measure of whether or not the number of plants is great enough for maximum yield, is a result of many field trials. These tests have been made at the Illinois Agricultural Experiment Station and other Corn Belt stations.

On this same basis, if your average ear last fall weighed over 1/2 pound, you probably did not get maximum yield. With more plants in your fields, producing more and smaller ears, your cribs might have been fuller.

To put these results to work, you should know that 7,000 half-pound ears per acre are needed for a 50-bushel yield. Seventy-five bushels require 10,500 such ears; one hundred bushels, 14,000 ears; and one hundred twenty-five bushels, 17,500 half-pound ears.

At planting time, yield of your land should be estimated. Keep in mind that not every kernel will produce a plant. Expect 90 plants from each 100 kernels, under favorable conditions.

If you estimate your land can produce 50 bushels per acre, you should end the season with 7,000 plants. This calls for planting two kernels per hill in rows 40 inches apart each way. With this same spacing, if one estimates yield at 75 bushels, he should plant three kernels per hill; 100 bushels, four kernels; and 125 bushels, five kernels.



**Speaking of By-Products...** Here's a movie about 'em—just the film for your community or school program: a 16mm sound, color cartoon, "BY-PRODUCTS." It runs 10 minutes—and tells the story of livestock by-products and their uses. Write to the Agricultural Research Dept., Swift & Company, Chicago 9, Illinois, for a folder which describes this and four other movies on the livestock-meat industry. Please allow a month's advance notice to handle "BY-PRODUCTS" bookings.

## A Steer is NOT all Beef

Let's take a look at this steer. It weighs 1,000 lbs. It's not all steak. In fact, only a little more than half is saleable beef.

Hanging in Swift's cooling room, our steer has become two sides of beef. Together they weigh 543 lbs. What happened to the rest?

Modern meat packers save everything of value from the steer—heart, tongue, liver, sweetbreads and other fancy meats. Hides for leather; bones, blood and scraps for animal feeds. Glands for medicines. All told, 161 lbs. of the steer is saved in by-products.

But 296 lbs. is shrinkage and material of no value. Only the meat and by-products can be sold.

What happens to the money the meat packer receives? It is used to buy livestock and other raw materials. It meets the expenses of slaughtering, dressing, refrigerating, transporting and selling. It pays rent, insurance, taxes—all the costs of doing business. The amount remaining after all of these expenses are paid is the meat packer's profit. Over a period of years, Swift & Company's profit has averaged a fraction of a cent a pound on the products we sell.

That's the explanation of the "spread" between livestock prices and wholesale meat prices.

**SWIFT & COMPANY**  
UNION STOCK YARDS  
CHICAGO 9, ILLINOIS

**NUTRITION IS OUR BUSINESS—AND YOURS**  
Right eating adds life to your years—and years to your life

## We All Want the Top Dollar



You, as a producer of livestock, want to get the best price for your animals—"the top dollar." As a salesman for Swift & Company, selling the products which result from these animals, I, too, want to get the top dollar.

The meat packer's buyer has to judge the grade of the animals and estimate how they will yield. He then makes his bids in competition with buyers for many meat packers and other commercial slaughterers. To get the animals, he has to offer going prices. Otherwise he just won't get them; somebody else will. And that "going price," which he must pay depends on the number of animals on the market and the demand for them.

After Swift & Company has made the animals which it has purchased into meat and by-products, we must sell them, again in stiff competition. If we don't offer meat at the going price, retail meat dealers will buy from somebody else who does. This competition in both buying and selling is so keen that we have to operate on a margin of profit which averages but a fraction of a cent per pound of product handled.

In our business, as in yours, it takes hard work and good management to come out with money ahead on a year's operation. Our efficiency in selling meat and by-products results in important economies and savings. Only through such savings can we earn our profit—and help increase the value of your livestock.

*Mr. Jones*  
Vice-President,  
Swift & Company

Mr. Jones, "guest editor" this month, is Vice-President of Swift & Company in charge of sales and advertising.



## Soda Bill sez:

... the best way to get out of trouble is to plow right through it.

## Martha Logan's Recipe for FRIED CHICKEN WITH GOLDEN GRAVY

(Yield: 5-6 servings)

1 frying chicken (2 1/2-3 lb.)	1/2 teaspoon pepper
1/2 cup yellow corn meal	6 tablespoons bland lard
1/4 cup flour	About 3/4 cup water
1 1/2 tablespoons salt	3 cups milk

Clean, wash and cut up chicken into serving pieces. Dry. Combine corn meal, flour, salt and pepper in paper bag. Put chicken pieces into bag, close top and shake bag until pieces are well coated. Reserve excess corn meal-flour mixture for gravy. Brown chicken well in hot bland lard in heavy skillet. Add 1/4 cup water. Cover tightly and simmer slowly for 1 hour or until chicken is tender. Add remaining water as needed. Remove chicken and keep it warm while preparing gravy. Combine corn meal-flour mixture with the drippings in skillet. Brown lightly. Stir in the milk and cook until corn meal is cooked and gravy thickened. Serve gravy with chicken.



# Use Textiles and Paint for a Hobby

By FLORENCE MCKINNEY

**Y**OU needn't be an artist to hand paint a luncheon cloth, some new kitchen curtains or a blouse. An amateur can do the trick and the doing of it has possibilities of developing into a hobby. And a hobby is a joy forever! Ask any hobby addict.

Some stencil paint and a good design is the answer. The stencil paint comes in little bottles. A regular stencil brush is a wise investment for the brushes you may have about the house or Bobbie has in his paintbox at school are not quite right. A stencil brush is small with many stiff bristles cut off evenly at the end. A fair substitute may be made by wrapping a rubber band tightly around the bristles of an ordinary small paintbrush, then cut off evenly about one-fourth inch below the rubber band.

As for designs, they are all around you . . . in the wallpaper, fabrics magazines, needlework books, in the carpet and in the kitchen floor linoleum. Some stencils are included with the paint and this is a start. Study their lines and try to create some of your own.

A pleasing design in the wallpaper may be repeated in the draperies or in a fabric for a slip cover for an old chair. The design on a pretty little tea apron may match the luncheon cloth and napkins. If well done, the paint will last thru many wearings and washings.

Stencil paper is somewhat transparent, but if you find it difficult to buy, remember it can be made at home. Using a cloth or paintbrush, cover both sides of a manila folder with boiled linseed oil and allow to dry thoroly. This treatment makes the manila folder tough and partially transparent.

In making your designs using commercial sten-

oil paper, place it on top of a design and trace the outlines. If using a manila folder, place the design and carbon paper on top of the folder and trace with a pencil. Protect the table with old newspapers. Now cut out the design either with a single-edge razor blade or stencil knife. It is important to cut all the way thru the stencil paper with the first cut. Going over the same lines produces fuzzy edges. Take special pains to cut sharp corners.

Now mark the material with pins, at the place you intend to apply the stencil. Then you are ready for the paint. First, it should be thinned with extender (which comes with the paint) until it is about the consistency of cream. Mix it in a small, flat dish. If it grows too thick after standing, it may be thinned again just as before. When trying to produce a certain color always stir the darker into the lighter until the desired color is obtained. Here, a note of warning. Be careful to mix enough at one time, for it's fairly difficult to achieve the exact color again.

Now, lay the material over a piece of paper toweling which is on top of several newspapers. Place the stencil on top of the material and hold firmly in place with pins or Scotch tape. With a stippling motion, apply the paint until the exposed

spaces are evenly colored. It is desirable for color fastness that the paint penetrate the fabric as far as possible. Work always from the edge of the stencil to the center. Now remove the stencil. If the edges of the design are not clear cut, but look as if the paint had run, the paint was too thin or too much paint was used. For this reason, a trial on a piece of waste cloth is a wise procedure.

After the designs have all been completed, spread the stenciled material and allow it to dry thoroly for 48 hours. Now, place a piece of brown wrapping paper over the ironing board and press the design on the wrong side with a damp cloth and a hot iron. Turn over and repeat on the right side. Then it is ready to use.

A word about developing your designs. A border can be made by repeating one unit across the fabric, and the corner can be turned by adjusting the designs lightly.

When choosing the outside shape for an object, remember that ovals and rectangles are the most pleasing in design. A good rule is to make the length of the rectangle or oval  $1\frac{1}{2}$  times the width. If the design is to be seen from all sides, it should be balanced in interest from top to bottom as well as from side to side. This is especially true of spot designs.

Don't place a spot design where an important part of it will be covered by an article placed upon it. This rule will apply for instance on a luncheon cloth or a table mat if

[Continued on Page 23]

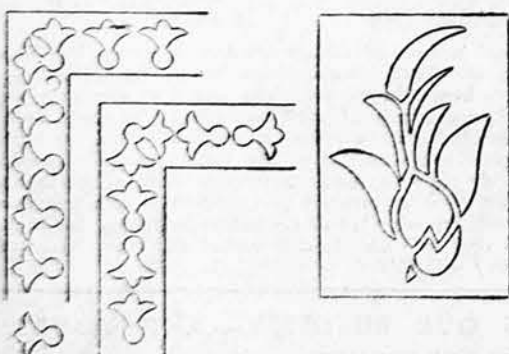
*Mix the textile colors before starting to work. A small amount of color is removed from the bottle, mixed in a small, flat dish. Colors are thinned with extender included with the paints.*



Above: Conventionalized plant and animal and geometric designs are pleasing.



Above left: Design is confusing, too many pieces. Right: Same design with some pieces removed—much better.



Above left: A good border design turns the corner. Right: Pleasing design suitable for lunch cloth.





## Books on Review

By FLORENCE McKINNEY

WITH so many interesting, not to mention disturbing, events occurring in the world in these times, we have decided to review significant books from time to time for our readers. Too, there are worthwhile books available which are entertaining as well as informational. No effort will be made to keep the reader up-to-date on the latest best sellers in the fiction department. On the contrary, we will attempt to bring to your attention some of the better, new and old books, which have stood the test of time and the literary critics, both fiction and non-fiction.

Some of these books will give the reader a picture of conditions in foreign countries. We think this is appropriate, in view of the efforts of thinking, hopeful leaders everywhere, to develop a sound United Nations program. Farm women's groups all over America are studying about international affairs. Some women's groups include book reviews as part of the yearly program. Books about people, important in various fields, will be included from time to time. We will attempt also, to tell you about books of special interest within the state or area.

We hope you like our choices. Our hope also is that our readers will tell us about books they have enjoyed. Local libraries may have them, and librarians and owners of bookstores can assist in obtaining them.

## Over at Uncle Joe's

Joe means Joseph Stalin, and the full title of this book is Over at Uncle Joe's, Moscow and Me. It is written by Mrs. Oriana Atkinson, wife of Brooks Atkinson, the foreign correspondent for the New York Times, now of New York City. Mrs. Atkinson tells in the most humorous style of their 10-month's stay in Moscow, there to view the Russian scene. They lived at the Metropole Hotel from where Mrs. Atkinson made excursions about the city, visiting with people and observing the street scenes, the stores and the points of Russian historical interest. She comments frequently on the extreme difficulty of all "foreigners" in getting the real facts about the Russians and the conditions in the country. In commenting on his wife's book, her husband observed that "Oriana put the only gaiety into Moscow."

She describes housekeeping, the shortages of almost everything, dining out, the position of women, everything for the children, even Russian cosmetics. It is published by Bobbs Merrill, of New York City.

## The House in Antigua

This book is not new for it was published in 1937. It was written by Louis Adamic, the well-known writer of several important books, perhaps the best known, "The Native's Return."

In the winter of 1936-37, while visiting Guatemala in Central America, Louis Adamic lived for a short time in

the Poponoe house, in the earthquake-ruined city of Antigua. The house had been lately restored by the late Dorothy Poponoe and her husband Wilson Poponoe, a botanist of international repute, who is its present owner.

Against the rich and colorful background of Spanish colonial life and the changing scene of 4 centuries, Mr. Adamic tells the story of this house. It has become one of the loveliest private dwellings in the world. People journey many thousands of miles to walk thru its patios and get a glimpse of the rooms.

The story of the Poponoes and the restoration of the house is history old and new. The book also includes several pictures of the house, taken before and after its restoration. The House in Antigua is published by Harper and Brothers, New York City.

## W. A. White's America

Walter Johnson, author of this book, is a brilliant young writer who is a member of the history department of Chicago University. Thru his interest in history and government, he decided that the late William Allen White, of Emporia, Kan., had been of considerable influence in molding the thinking of the Middle West. So he spent 6 years studying Mr. White's personal papers in preparation for this book.

William Allen White's America was the America between 1868 and 1944. Thru a great many years, Mr. White was the voice speaking from and for the average Middle Westerner. The book includes many excerpts from Mr. White's writings, speeches and conversation. It is the biography of a man and a period of important history in the making. There are 20 photographs and cartoons in the book, making it a personal history of an important man. It is published by Henry Holt and Company, New York City.

## Textiles and Paint

(Continued from Page 22)

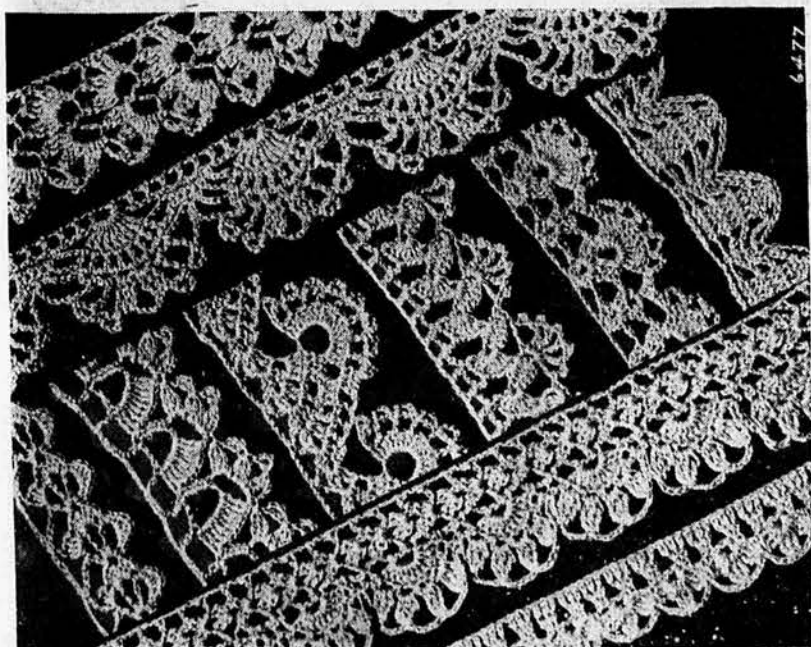
a lamp is to be placed upon it. The luncheon plates and the lamp will cover the point of interest.

A design divided into equal parts is uninteresting. So is one in which the parts do not seem to have anything in common. For a good design, one part should be slightly more interesting, with the rest of the parts related, but not the same either in size or idea.

No matter how excellent the design, it can be spoiled by hasty drawing.

As for the fabric to choose there are important decisions to be made. Sailcloth or unbleached muslin are suitable for draperies and curtains. It goes without saying that any material should be plain in both weave and design. You can use cotton, rayon, linen . . . you can decorate scarves, handkerchiefs, table linen, draperies, blouses, aprons. Women from everywhere are learning this new method of home decoration.

## Crocheted Edgings Appeal to All



Directions for all 10 crocheted edgings will be found on one page. Order by sending 5 cents and requesting pattern numbers beginning with 9046. Write to the Needlework Editor, Kansas Farmer, Topeka.

**SWEDISH LIMPA**

2 pkgs. Red Star Dry Yeast  
 $\frac{1}{2}$  cup warm water (100°-110° F.)  
 1 cup milk  
 2 teaspoons caraway seed (optional)  
 1 tablespoon salt  
 $\frac{1}{4}$  cup brown sugar

Add 2 pkgs. Red Star Dry Yeast to  $\frac{1}{2}$  cup warm water. Let stand. Scald milk. Add caraway seed, salt, brown sugar and water. Cool to lukewarm. Stir yeast solution and add to warm milk mixture. Add rye flour and beat well. Stir in shortening. Add all-purpose flour to make a stiff dough. Turn onto floured board and knead 5 minutes. Place dough in lightly greased bowl. Cover and let rise until double in bulk, about 45 minutes. Divide dough into two equal portions. Shape into loaves. Place in greased loaf pans. Cover. Let rise until light, about 45 minutes. Bake in moderately hot oven (375° F.) 50 minutes. Makes 2 loaves.

$\frac{1}{2}$  cup water  
 3 cups rye flour, loosely packed  
 2 tablespoons melted shortening  
 $3\frac{1}{2}$  cups sifted all-purpose flour

ANY RECIPE IS A RED STAR DRY YEAST RECIPE

IS RED STAR AS FAST AS OTHER YEASTS?

IT'S FASTER... BEST OF ALL RED STAR KEEPS FOR MONTHS ON THE PANTRY SHELF

**Red Star**  
**QUICK RISING**  
**Dry Yeast**

QUICKER • EASIER  
 FOR EATING • FOR BAKING  
*Always Fresh!*

RED STAR DRY YEAST

**HOUSEWIVES ATTENTION!**

~~SOAP~~ ~~WATER~~ ~~SOFTENER~~ ~~SYNTHETIC~~

Now all you need for

**SNOW-WHITE WASHINGS**

**IS IN HARDEST WATER!**

**Fun**

**SOAPTHETIC**

The best features of  
**SOAP, SYNTHETIC  
 AND SOFTENER**

— in ONE!

PACKED IN  
 13 1/2 QT.  
 GALVANIZED PAIL

Use it like Soap — it works like Magic! Speeds up Washings — Saves Hard Rubbing  
**NO SOAP SCUM, BLACK SPECKS OR SCALE — EVEN IN HARDEST WATER!**

You've never seen anything like it! No matter how hard the water, FUN makes SUDS! No matter how soiled the clothes, FUN gets them CLEAN . . . snowy white, velvety soft and easy to iron! You don't need soap, synthetics or water softeners . . . all you need is FUN! And you use it just like soap. Only it costs less . . . for a small amount does a big wash! FUN is NEW, DIFFERENT . . . makes washers and automatics work like magic! Makes washing faster, easier, better. FUN is guaranteed to give you a beautifully clean wash every time even in hardest water . . . or your money back! Order by mail TODAY! Use convenient coupon below.

ORDER DIRECT  
 20 LBS.  
 in Galvanized  
 Utility Pail  
 Only  
**\$6.95**

**ESSENTIAL CHEMICALS CO.** 744 North Fourth St., Milwaukee 3, Wis.  
 Enclosed find \$6.95 for which ship me prepaid one 20 lb. pail of FUN Soapthetic which you GUARANTEE to satisfy or my money will be refunded.

Name

Address

City or Town  State



## New Way to Hear Better Without Risking a Penny!



Send coupon below, receive this amazing hearing aid by mail—no "fitting" needed, no sales pressure.

### So good we can offer you this MONEY-BACK TRIAL

Wear your Zenith "75" at home, at work, anywhere. Compare its QUALITY, PERFORMANCE, OPERATING ECONOMY (less than 1c per hour battery cost) with that of ANY other hearing aid. If the Zenith "75" isn't better than you ever dreamed ANY hearing aid could be, return it within 10 days of receipt and Zenith will refund your money in full.

Now—for the first time—you can judge entirely for yourself how much a hearing aid can mean in your life! For the new Zenith "75" employs an advanced principle that eliminates the need for "fitting." The correctness of this principle was recently confirmed by U.S. Government-sponsored research at Harvard University.

### SAVES YOU OVER \$100, TOO!

Because the new Zenith "75" comes to you by mail, it saves you embarrassing visits to salesrooms and annoying sales pressure. Also saves you over \$100 cash money. If its price had to include "fitting," middlemen's profits and high sales commissions, it would have to sell for \$195 instead of \$75. So do as tens of thousands have already done. Order your Zenith "75" by mailing the coupon below—right now!

BY THE MAKERS OF THE WORLD-FAMOUS ZENITH RADIOS

ORDER NOW  
—USE THIS  
COUPON

Look only to  
your doctor  
for advice on  
your ears  
and hearing.



MAIL COUPON—

Zenith Radio Corporation  
Hearing Aid Division, Dept. KF418  
6801 Dickens Avenue, Chicago 39, Illinois

☐ I enclose check or money order for \$75\* for one Zenith "75" Hearing Aid. Unless I am completely satisfied, and find the Zenith "75" superior to any other hearing aid, I may return it within ten days and get my money back in full.

\*Plus tax of \$1.50 in Illinois or New York City; \$1.88 in California, except Los Angeles, \$2.86.

☐ Please send me free descriptive literature.

Name.....

Address.....

City.....State.....



Doesn't it seem  
more sensible?

## ALL-VEGETABLE LAXATIVE

● In NR (Nature's Remedy) Tablets, there are no chemicals, no minerals, no phenol derivatives. NR Tablets are different—act different. Purely vegetable—a combination of 10 vegetable ingredients formulated over 50 years ago. Uncoated or candy coated, their action is dependable, thorough, yet gentle, as millions of NR's have proved. Get a 25¢ box. Use as directed.

**Nature's Remedy**  
NR TO-NIGHT TOMORROW  
ALRIGHT  
ALWAYS CARRY  
QUICK RELIEF  
FOR ACID  
INDIGESTION

## A Country Woman's Journal

By MARY SCOTT HAIR

"Armed with a mop and fast-cooling suds  
Dressed in a garb that's erratic,  
I struggle with furniture, curtains and rugs  
I'm cleaning from cellar to attic!"  
—Mary Holman Grimes.

THERE was a feeling of spring in the air, I knew it even before I climbed out of bed, half asleep. The cardinal in the big tree near my bedroom window questioned, "What cheer? What cheer?" as the softly falling rain went about its slow, methodical task of seeping into the thirsty earth down to the last drop. I opened my window and a soft spring wind blew gently from the south. Our river was shrouded in a gray, misty veil. It was a morning of enchantment!

Soon the rain clouds, with their gray mists, advanced and then retreated, and an azure sky with rolling, chalky white clouds dispelled any traces of gloom. The river sang an age-old song yet ever new. What a day to welcome spring!

To artists, poets and musicians, spring is a time of inspiration... pictures, poems, songs result. Harbingers of spring, material for pictures and poets, songs and artists include wee, adventuring crocus just bursting into bloom, pussy willows in the florist's window which gave me a queer, little homesick feeling... I remembered the place up on the millpond where my two little friends and I went looking for spring last year, and the pussy willows seemed out of place in that window.

Then there was the crippled organ grinder, with the first hand organ I've seen in years, sitting in the sun, grinding out gay little tunes reminiscent of old-world melodies when the peasant-folk were happy in their own little home towns... housewives shaking the dust out of rag rugs, little boys flying kites and dogs sleeping in the sun... these were signs of spring.

Anxiously I've watched as fields and meadows, bare hillsides and patches of city lawn began turning green with the first promise of grass. And I've been convinced, anew, of the importance of grass to man and beast. Henry David Thoreau once wrote in his journal, "The grass flames up on the hill-sides like a spring fire, as if the earth sent forth an inward heat to greet the returning sun; not yellow but green is the color of its flame; the symbol of perpetual youth, the grass-blade is like a long green ribbon."

Quite often I find we overlook the smaller, simpler beauties in our search for the so-called big things. When winter's snow and spring's delay keep us from enjoying the more resplendent beauties of nature, there are moss-covered rocks, lichen faces peeping up from tree trunks, a veritable world of wonder when examined under a microscope.

Spring always means house cleaning! No one knows exactly where the cleaning urge came from. Perhaps some cave lady, back in the days when the housing problem was solved by the family moving into a larger cave as its number increased, aired her bed linens of skins, swept in front of her cave with a brush broom and called it house cleaning. And down thru the centuries we, the home-keepers, have followed, with slight variations, that same pattern.

With thoughts of spring and spring cleaning, I tripped gaily toward the capitol, ready for my day's work. As I came down the walk I spied some workmen with hose, brooms and scrub brushes already at work cleaning our broad capitol steps. Spring cleaning for the state capitol had begun in earnest. Suddenly shouts of glee went up from the workmen as a frightened little rabbit scampered out from a hiding place somewhere on the grounds, and ran at breakneck speed around the building and disappeared toward the river.

Real harbingers of spring, much

earlier and more reliable than the first robins or the gayest crocus, are the troops of grade-school children and high-school classes who visit our capitol. Their interest is so intense, as they try to crowd so much sightseeing into such a short time. They come in their school busses, usually, and they troop up and down the capitol corridors peeking in at office doors. Thrill of thrills it is to be introduced to the house and the senate!

During Boy Scout week we were honored by visitors from various scout troops, smiling, handsome citizens of tomorrow proudly wearing uniforms decorated with merit badges and emblems. One 12-year-old scout brought our Governor a goldfish as a gift. The gift was received in absentia, for the Governor was out of town.

Being a member of a writers' group has a number of very nice advantages, for most persons, I believe, enjoy belonging to clubs and groups of that sort. I've been proud of my membership in our state writers group. Since my stay at the capitol it has been the means whereby I've become acquainted with some friendly folks who are fellow writers.

The trips home each week end continue to be the best part of the week. We sing as we travel along, call each other's attention to new sights, new signs of the times as we call our spring observations. A red fox ran across the road in front of our car and disappeared in a thicket nearby. We watch for birds, meadowlarks, crows, robins, bluebirds. We trace with our eyes the scalloped heights of the gray mountain ridges and watch eagerly for the first view of the lake.

Once home, I don my home-clothes and comfortable moccasins, roll up my sleeves and really go to work! The days never have enough time in them, and so I borrow a few hours from the night in order to finish all of my projects. I make my husband's favorite pie, make fresh jelly and rolls, have baked potatoes (I like the peeling) and corn pone. I visit my friends, go to Sunday school and church, and I even helped out at the post office where I had a chance to meet friends I hadn't seen for weeks.

At the big barn on the hillside I'm next thing to a stranger these days. The Mister has a pet lamb who knows him and is his devoted follower. I named her Little Maizie, but she will have nothing to do with me. Being a stranger among my own flock is something so new to me that I do not like it! There is a new baby calf, such a cunning little fellow... not the "right" kind to keep but we, nevertheless, are happy about him.

Already the frogs on the millpond have given their first series of concerts and such joyous occasions they were! One writer speaks of "frog-rhetoric of the marsh" and I like that! When summer comes the frogs really serenade us, with a story about an Irishman named Paddy. Maybe I'll tell you about it sometime.

A quick, hard freeze, so typical of the season, ended the song of the frogs temporarily, and sent them back to their muddy refuge. But there will be other days, when a warm south wind with a hint of rain in it will thaw the earth... and next time the thaw will be stronger and last longer. And spring will come to stay!

### Altering Patterns

The 40-page booklet, "Pattern Alteration," No. 1968, will be found most helpful to the woman who is getting the spring sewing done for her family before the gardening and outside work begin. The Farm Service Editor, Kansas Farmer, Topeka, will be glad to have a copy of this bulletin sent to you upon receipt of 10c, which is the charge made by the U. S. D. A. Please order by number.



## FITZ RANGER

Put on Fitz Rangers—  
Look Like This From the  
Waist Down!

Ask your dealer for FITZ 9 oz. smooth or 10 oz. coarse Denim Ranger. He has them or can get them from the

FITZ OVERALL CO., ATCHISON, KAS.



### LATEST FASHIONS DRESSES AT AMAZINGLY LOW PRICES

Featuring  
1. Original—Exclusive Designs.  
2. Longer Lengths—Full Cut  
3. Skirts—New Fabrics.  
4. Priced Far Below Their Value  
—To Fit Your Budget.  
Priced as low as \$4.98.  
Send No Money!  
Just Send Name and Address For  
Illustrated

FREE CATALOGUE  
PREVIEW FASHION SHOPS, INC.  
DEPT. 14-27, G. P. O. BOX 915  
NEW YORK 1, N. Y.



Worth a lot  
to have a  
Laxative that  
WARMS and COMFORTS  
UPSET STOMACH.  
Too.

**SHE'S RIGHT!** Constipation often brings on upset stomach, gassy discomfort, flatulence, sour taste. So you want your laxative to relieve constipation and comfort upset stomach, too.

**DR. CALDWELL'S** famous medicine does both. It contains Laxative Senna, one of the finest things for constipation known to medical science.

**AND FOR STOMACH RELIEF** it contains a reliable carminative to help warm and comfort your upset stomach. So when you're sluggish, upset, and want to feel worlds better, remember Dr. Caldwell's. This one medicine gives you pleasant relief from constipation, and also comforts your upset stomach.

**HERE'S ONE LAXATIVE** you can take right after a full meal with pleasant effect. Ask your druggist for Dr. Caldwell's. Get welcome relief from constipation, and give your upset stomach cozy warmth and comfort too.

**EVEN FINICKY CHILDREN** love it.

**DR. CALDWELL'S**  
SENNA LAXATIVE CONTAINS SYRUP PEPSIN



## Parents Are Studying

**D**URING January, 3 groups of parents in Brown county organized Parent Study groups to discuss child-guidance problems. These groups are the result of the efforts of Mrs. Vivian Briggs, specialist of Kansas State College Extension Service, and Margery Shideler, home demonstration agent.

During the remainder of 1948, these parents will discuss lessons on What are Parents, Stages of the Child's Development, Training for Desirable Habits, Discipline, How Achieved; Truth Versus Imagination, The Value of Play, Rest and Sleep, Individual Differences, Developing Book Friends, Sex Education, Training for Democratic Living, The Child's Spiritual Development.

Miss Shideler reports that already parents are finding this type of information helpful. There are about 60 Brown county parents enrolled in the 3 groups. Those near Hamlin meet the

second Thursday of each month. Mrs. Wray Whiteneck is president; Mrs. Everett Picton, vice-president; Mrs. Rush Holloway, secretary. The Hiawatha group meets on the second Monday of each month with Mrs. Jack Mathewson as president, Mrs. Lewis Gibbs, vice-president, and Mrs. Lloyd Barrand, secretary.

The Powhattan Parent Study group is assisted by the local 4-H Club, the Modern Sunflowers, on the evening the parents meet. The junior leaders of the club take care of the children so their parents can discuss without interruption. Mrs. Leon Wenger is president of the Powhattan group; Mrs. Loyd, secretary. The girls who have been so helpful are Linda Belle Bartley, Pat Draney and Shirley Loyd.

Miss Shideler says one of the finest results of the discussions is that parents are learning to be aware of problems that need attention.

## News to You?

An automatic washer is one which washes, rinses and spins the water out of the clothes. Anyone who contemplates buying this type of washing machine will need good water pressure and a sufficient quantity of hot and cold running water to permit it to function properly. For families on a restricted income, the standardized washer with 2 speeds cleans effectively and costs less than the automatic.

A truly safe stepladder is an absolute necessity. Steel ones are now available. When buying one, see that there are rubber feet which will prevent them from slipping on a polished floor. Considering the number of accidents in the home, there are better ways of washing outside windows than by means of a stepladder. Get a window cleaner with a long handle.

To make raisins extra plump for use in salad or fruit cup, rinse them in hot water. In cakes and breads they will spread their sweetness farther and will

not sink if they are chopped. For chopping use scissors dipped in hot water. Dust raisins with a little flour before adding them to the mixture.

Once a package of raisins is opened transfer them to a tightly covered jar to prevent drying. In warm, humid weather this will prevent them from picking up moisture.

At club meeting, a motion must be seconded before it is discussed. If the discussion gets tiresome and it is time for voting, the president asks the members if they are ready for the question. If no one rises for further discussion, the vote is taken. It's just an orderly, efficient way of handling club matters. And right out of "Robert's Rules of Order."

You can plan children's clothes closets for the future. Build notched holders on each side of the closet for the rod and raise the rod a notch at a time to keep pace with the child's growth.

## New in Line and Look



9041  
SIZES  
34-48

9058  
SIZES  
11-17

9277  
SIZES  
12-20  
30-42

4775  
SIZES  
2-10

9041—A dress, new in line and look; stars cool cape sleeves, neat skirt pleats and scallops as a closing. Sizes 34 to 48. Size 36 requires  $3\frac{1}{4}$  yards of 39-inch fabric.

9058—The new ballerina silhouette! This whirling skirt has 2 belts to cinch your middle. Sizes 11 to 17. Size 13 requires  $3\frac{1}{2}$  yards of 39-inch material. For belt, 1 yard and 6 inches ribbon.

9277—Stripes bring out the full effect of this new design. Sizes 12 to 20

and 30 to 42. Size 16 requires  $3\frac{1}{2}$  yards of 39-inch material.

4775—Angel-wings, scallops and ruffles on little sister's dress. Puff sleeve version and panty pattern included. Sizes 2 to 10. Size 6 requires  $2\frac{1}{2}$  yards of 35-inch material; panties 1 yard.

Any pattern may be obtained by sending 25 cents to the Fashion Editor, Kansas Farmer, Topeka.

The range that gives you modern beauty and top performance!



The famous NESCO Kerosene Range

The oil range that cooks like a gas range



Elbow Action Controls give fine flame adjustment. No ratchets, cogs, gears or cams.



Roomy, Heavily Insulated Oven,  $16\frac{1}{2}'' \times 12\frac{1}{4}'' \times 18\frac{3}{4}''$ , accommodates big roasts.



Conveniently Spaced Burners provide full flame coverage of 3 large cooking utensils.



Oven Heat Indicator gives accurate interior temperature. Easy-to-read numbers.

THE unique short-chimney burners of the beautiful Nesco Kerosene Range actually generate their own gas, which burns with a clean, smokeless, odorless flame. This and other outstanding features, many of them exclusive with Nesco, assure you years of efficient, trouble-free performance. Insist on a Nesco Kerosene Range—the oil range that cooks like a gas range!

Nesco products include electric roasters, pressure pans, stainless steel utensils, enameled ware, tinware, galvanized ware, decorated kitchen containers, electric ranges and heaters, oil heaters. Look for the Nesco label!

NATIONAL ENAMELING AND STAMPING COMPANY  
Dept. U-4, 270 North 12th Street, Milwaukee 1, Wisconsin

Combine **PROFIT**  
with **PLEASURE...**



on a GREYHOUND vacation trip  
for the whole family!

"All work and no play—" makes a dull life and cuts down efficiency. You've got busy days ahead, but why not right now plan a vacation—for whatever time suits best—that will give you a chance to not only see new places but also new farming methods being used in other states.

You may come back with new ideas for money-making crops or labor-saving methods—and the whole family will come back with new vim and vigor! Your County Agent and your nearest Overland Greyhound Agent will gladly help plan your trip—and it will cost less than you think by Greyhound!

GREYHOUND LEADS IN COURTESY!



OVERLAND  
**GREYHOUND**  
LINES

OPERATED BY INTERSTATE TRANSIT LINES



# Butter-Nut Coffee



## Always Hits the Spot

**IT IS EXTRA RICH  
-EXTRA SMOOTH  
-EXTRA DELICIOUS**

For downright delightful flavor no coffee in America can beat Butter-Nut. And here's why:

Butter-Nut is mighty choosy about the coffees it uses. From top-grade imports Butter-Nut expert tasters choose the smoother, more delicious coffees . . . rich, satisfying coffees with plenty of body. That's what folks want and we go all the way to give it to them.

So it is no wonder Butter-Nut is the first choice coffee in a million homes . . . it always hits the spot.

*FIRST  
CHOICE  
IN A  
MILLION  
HOMES*



### Ham With Raisin-Apple Dressing



Ham with a special dressing is a spring dish. This one goes into the oven for slow baking.

2 slices smoked ham, 3/4-inch thick	1/4 cup brown sugar
3 cups bread crumbs	1 teaspoon dry mustard
1/4 cup raisins	1/4 cup melted butter
1/4 cup diced apple	whole cloves
	parsley sprigs

Wipe off the ham with damp cloth.

For the dressing, mix bread crumbs, raisins, diced apple, sugar and mustard. Pour melted butter evenly over the bread mixture. Place one ham slice on a baking dish. Pile dressing lightly on top the ham slice. Place second slice of ham on top the dressing. Stick whole cloves into the fat around the edge. Bake in slow oven (300° F.) for about 1 hour or until tender. Garnish with parsley. Recipe makes about 6 servings.

### Flower and Garden Notes

**A** NEW bush lima bean has been developed and is available to home gardeners this year for the first time. The variety name is Peerless and it has some advantages over other old varieties for this section. It is listed in most seed catalogs.

Two qualities account for its good record. One is the size of plants—it is smaller than most other varieties and can thus be spaced more closely together. Too, it is resistant to high temperatures, a decided advantage to home gardeners in the Midwest. It sets a large number of pods when other varieties are losing blossoms. It also yields well.

The bean is light green in color, two-thirds the size of Fordhook. It makes an attractive frozen product. It has fine eating quality.

Most of the amateurs and some of the old-time gardeners plant seed too thick. Sowing seed too thick makes for waste all around—waste of seed to begin with, waste of time and labor, waste of plants in thinning, for many do not transplant successfully. Plants left to grow too close together do not yield well.

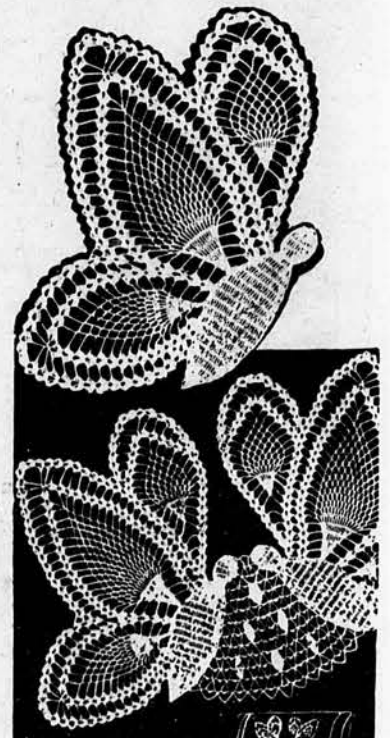
Beets and chard should have plenty of room, for each seed will make more than one stalk. Plant beets 2 to 3 inches apart with 14 inches between the rows. Give chard even more space, 4 to 6 inches apart, 18 inches between rows.

Peas should stand an inch apart in the rows, dwarf varieties 18 inches between the rows. Tall varieties to grow on supports need 3 feet between the

calceolaria and the primula are difficult to propagate from seed since the maturing and curing of the seed is a difficult task even for a specialist. Better buy the plants from a florist shop or greenhouse.

The gloxinia, which is rapidly becoming a popular house plant is more easily grown from tubers. After flowering, the plants should be dried back gradually and rested after foliage is ripened. Store the tubers in dry sand or peatmoss or let remain in soil and store at about 50° F. For early bloom start tubers in January or February.

### Pineapple Design



977



### Mother's Day, May 9

Suggestions for an afternoon or evening party, or for a mother-daughter tea, are given in our leaflet, "For Mother's Day." There are selected readings, contests, and suggested refreshments. For a copy of the leaflet, please address Entertainment Editor, Kansas Farmer, Topeka. Price 5c.

rows. When thinning, do so early, so as not to disturb the remaining plants.

Carrot, lettuce, spinach, parsnip and turnip seeds are so small that it is almost impossible to get them planted thin enough. Thin out the weak ones before they become crowded. Some of the thinnings may be eaten. If thinned, the remaining will produce better and quicker.

Certain house plants, the cineraria,

Dress up the furniture with these butterflies in pineapple design. Pattern 977 includes complete directions in crochet.

Pattern 977 may be obtained by sending 20 cents to the Needlework Editor, Kansas Farmer, Topeka.



# Now Try Procter & Gamble's Postwar WASHDAY WONDER

**IT'S TIDE...** you've never used anything like it!

**TIDE** does what's never been done before—washes clothes cleaner than any soap, yet leaves colors brighter! It's a true washday miracle, made possible through wartime research. You'll know you've found a com-

pletely NEW product the minute you make suds with Tide. Those wonder suds *look* different... *feel* different! They billow up thick and fast even in *hardest* water! It's amazing! Only Tide can make all these promises:



## 1. Washes clothes cleaner!

Yes, cleaner than any soap made! Your whole wash comes cleaner—even grimy play clothes and greasy overalls! Tide not only leaves clothes free from ordinary dirt—but actually removes dingy soap film as well.

## 2. Actually brightens colors!

All your washable colors actually come out *brighter* as Tide makes dulling soap film disappear! You can see the difference!

## 3. Never "yellows" white things!

What a blessing for shirts, sheets, pillowcases! Tide keeps them *sparkling white*, week after week... *never* turns them yellow!

A Hymosol Product

## 4. Gives more suds

—prove it in your dishpan!

Kind-to-handsuds! Fastersuds! Longer-lasting suds than any soap in *hardest* water! Tide cuts grease like magic... washes dishes cleaner than any soap! No scum in the water! No greasy ring round the pan! No cloudy film on dishes and glasses! That's why they rinse and dry so *sparkling clear*—even without wiping!

## EXTRA miracles in hard water!

Tide's performance in hard water is so amazing, you have to see it to believe it! Oceans of rich, long-lasting suds billow up instantly—even in *hardest* water! No water softeners needed—Tide does it all!



**TIDE'S IN— DIRT'S OUT!**

TIDE IS A WONDER FOR CLEANING MILKING UTENSILS, TOO... QUICK! EASY! NO SCUM OR MILKSTONE!



## KEEP ONLY THE GOOD LAYERS



### CULL OUT THE BALANCE

• To get more eggs, with harder shells, keep clean water and Pilot Brand Oyster Shell before your flock at all times. Pilot Brand is 99% pure calcium carbonate with a trace of iodine.

Dealers Everywhere

Look for the bag with the big blue pilot wheel on it



**mountain grown**  
FOR RICHNESS

**FLEMING'S COFFEE**

MOCORITO and other finest high-mountain coffees produce a superb flavor you're sure to like.

LISTEN TO THE WORLD'S NEWS EVERY NIGHT  
WIBW 580 10 P.M. KFH 1330

**LOW COST IRRIGATION HOSE**

**MADE OF CANVAS**

Ideal for pump irrigation. Carries water over or around obstacles. Saves work... Lasts for years. Makes getting water where you want it easy. Low Cost. Canvas dams also. Write for illustrated folder.

**LINCOLN TENT & AWNING CO.**  
1616 O St., Lincoln, Nebr.

### Clean Cisterns

**FILTER KEEPS CISTERN WATER CLEAN**

Your cistern water filtered, strained, cleaned with U. S. CISTERN FILTER. Attaches to downspout. Water goes through 7 layers metal, and cloth screens, charcoal and gravel. Won't clog. Self cleaning. Keeps out bugs, dust, leaves, bird droppings. Rust proof aluminum 15 x 30 x 8 1/2. Will last many years. Thousands in use. Comes complete with filters, charcoal. New Improved Model \$24.95. At hardware stores, or order direct E. O. D. plus delivery charges. Cash orders prepaid. Satisfaction or your money back. Order from

**HANDEES CO., Dept. 7-C, Bloomington, Ill. Clip this.**

Always Working

For You!

**DEMPSTER**  
WATER SUPPLY EQUIPMENT



And for Just a  
**FEW CENTS A DAY!**

Yes—for just a few cents a day—you can own and operate a Dempster Water System on your farm...increase your poultry and live stock profits and provide many conveniences and comforts in your home!

Your Dempster Dealer can give you the details about the Dempster Water System best suited for your needs.

**AMERICA'S Complete LINE**  
**DEMPSTER MILL MFG. CO.**  
BEATRICE NEBRASKA



## Vocational Agriculture

By HELEN ANKENY

THE Concordia F. F. A. chapter will have the premier showing April 6, of a 20-minute colored 16 mm. movie which they recently completed. It depicts 4 of the 12 purposes of the Future Farmers of America.

This picture was started last August and all 48 members of the Concordia chapter have a part in it, according to W. A. Rawson, Vocational Agriculture instructor and local F. F. A. adviser. The 20-minute film will be shown for the first time at their parent-son banquet. Credit goes to Robert Larson, F. F. A. president, who had a major part in planning the picture and writing the script.

The 4 purposes filmed include: "Develop rural leadership"; "create interest in better agriculture"; "foster cooperation," and "provide for recreation for farm boys."

In commenting on the picture, Mr. Rawson said such a film is a fine way of putting across to the public, F. F. A. activities in the community. The picture will be shown to local civic clubs, and at school assembly programs and rural grade-school programs.

Making use of their large portable metal sheep dipping vat, members of the Winfield F. F. A. chapter, under the supervision of their instructors, Ira Plank and John Lowe, have just completed dipping 550 sacks of certified seed potatoes for farmers in the community and F. F. A. members. This is a community service which the Winfield Future Farmers have offered for the last 14 years, at a nominal fee, to encourage use of better seed in the community.

In the past acid-corrosive sublimate and the hot formaldehyde treatments have been used, but were abandoned in favor of the Semesan Bel treatment. Plank, Lowe and their boys recommend this method of treatment even tho it is more expensive. It is a quick treatment and easily made up; can be used in metal containers, and it is not necessary to remove the potatoes from the sacks. Fifteen boys removed from the car, treated, and stored 400 sacks in 2 1/2 hours.

The Winfield chapter offers the following advice for dipping potatoes: equipment for the job should consist of a shallow vat with sloping ends. It should be just wide enough and deep enough to cover and float the sacks well, as they are thoroly wet by means of a garden hose on a platform just before treating.

The vat should be long enough to hold 2 or 3 sacks in the solution end to end. They drain rapidly and should be wheeled away and stored as soon as drained. The boys handling the wet sacks should wear slicker suits. The dip will stain the hands but the stain will disappear in a day or so. Every effort should be made to save the solution by draining it back into the vat, or the cost will be excessive.

Twelve Future Farmers from various parts of Kansas were made happy recently when they were notified by L. B. Pollom, state supervisor of Vocational Agriculture education in Kansas, that they had been awarded Carl Raymond Gray scholarships offered by the Union Pacific Railway Company. The scholarships are offered annually to outstanding Vocational Agriculture students in Kansas counties served by the Union Pacific, and are awarded on the basis of leadership ability, scholarship and proficiency in carrying on a farming program.

Kansas Future Farmers winning these scholarships include Kenneth Kern, Washington; Donald Faidley, Clay Center; Robert Larson, Concordia; Keith R. Selby, Quinter; Alden Loomis Jr., Valley Falls; Donald Stover, Lincoln; Jimmie Yowell, McPherson; Carldron Broadbent, Beloit; Aurel Montgomery, Sabetha; Doyle Peaslee, Stockton; Phillip Schidler, Washburn Rural High, Topeka; Carl W. Martin, Colby.

The winners all have stated they expect to use their scholarships and will

enter Kansas State College, Manhattan, to continue their education in agricultural fields.

Carl Martin, Future Farmer of the Colby chapter, not only was one of the winners of the Carl Raymond Gray scholarships, but also was high individual in the district poultry judging contest held at Stockton recently. Carl scored 731 points out of a possible 800. Ronald B. King is the Colby Vocational Agriculture instructor.

The Norton F. F. A. chapter, Keith Fish, coach, had second and third high individuals at the Stockton contest. Robert Beckman was second high with 712 points to his credit; and Lee Preston was third high with 708 points. Norton also had the winning team in the contest.

Five Vocational Agriculture students of the Leon high school had an interesting lesson in grain inspection recently when they visited the Federal Grain Inspector's office at Wichita. There they were permitted to watch the federal men actually grading grain. The Leon students, accompanied by their instructor, Powell Heide, were promised they could grade a few of the samples and a check would be made by the federal inspectors.

While in Wichita the Leon students purchased 7 Hereford steers weighing 520 pounds, from the Wichita Stock Exchange. They also had the privilege of visiting the sheep and hog alleys at the Stock Exchange.

Boys making the trip were John Sontag, Everett Bloom, Ernie Seward, Leroy Hildreth and Robert Cabeen.

In the Ottawa district poultry contest the Olathe F. F. A. team, E. L. Raines, coach, won first place with 1,450 points out of a possible 1,600. Tonganoxie, E. R. Welton, coach, won second place. Don Blackwell, Olathe, was high individual, and LeMoyné Zimmerman, Olathe, second. A gold cup was awarded the winning team by the Ottawa Chamber of Commerce.

The Cherryvale F. F. A. team, C. H. Young, coach, occupied the winner's corner at the southeast district poultry school held at Coffeyville. Bill Drumeller, Cherryvale, was high individual. Parsons, coached by Frank Brandenburg, won second high in the contest.

Donald Hudsonpillar, of the Concordia chapter, W. A. Rawson adviser, was high individual in the Frankfort poultry school, and the Concordia team won the contest. Robert Larson of the team was second high-point man.

It might be pointed out that while the district contests being held over the state this month are generally referred to as judging contests, L. B. Pollom, state supervisor of Vocational Agriculture Education, says they are primarily selection schools.

Fifty-one Vocational Agriculture students from 10 different high schools of Southeast Kansas competed in the shop crafts school at Altamont. Members of the Labette County Community High School Future Farmers and their instructor, Edward Zahn, were hosts. Chanute, under guidance of the Vo-





ational Agriculture instructor, Charles Carter, scored 1,868 points out of a possible 2,875 to win first place. Cherryvale, C. H. Young, instructor, won second high. Dean Tennis, Chanute; Xury Hold, Chanute, and Sam Barker, Cherryvale, were high individuals.

J. W. Jordan and his Vocational Agriculture students were hosts to 70 Future Farmers and their instructors, at the north central Kansas district Vocational farm mechanics contest and public speaking contest, held at Minneapolis, March 20.

The Beloit Future Farmers, Howard Bradley, coach, walked away with top honors in both farm mechanics and public speaking. The Clay Center chapter, R. W. Morrison, coach, placed second in both contests.

In the farm mechanics contest, Lawrence Martin, Clay Center, was high man, and Darrell Foben, Beloit, was second.

Two contests were held in public speaking: a 10-minute talk on agricultural topics, and a 5-minute talk on the same subject.

In the 10-minute division, Vernon McKee, Beloit, was high man; with Donald Fardley, Clay Center, second.

In the 5-minute division, Robert Hendricks, Minneapolis, placed first, and Fredrick Schmidt, Minneapolis, was second.

Officers of the Lebanon F. F. A. chapter, Max Mullen, Melvin Bell, Bill Long and Arden Roush, together with Bob Maydew and their local adviser, Don Hall, were recent guests of the Smith Center Rotary club at dinner. After dinner the Lebanon Future Farmers entertained the Rotarians with a program based on "F. F. A. and Balanced Farming," and were complimented highly on their exemplification of what good training and interest in school work can accomplish.

The Future Farmers of Emporia, Emory Groves, adviser, are making good use of three-fourths acre of land, which was recently presented to the Emporia senior high school by John Hinshaw, of Emporia. The land was turned over to the Future Farmers by the superintendent, W. M. Richards, on the condition they make use of it. The boys have plowed the land, fenced it, and will plant it to popcorn. They call it the "F. F. A. Ranch."

The tenth annual John M. Lewis and Sons field day and judging school has been scheduled to be held April 3, at the Lewis Hereford Farm, at Great Bend. According to Carl Heinrich, Vocational Agriculture instructor at Great Bend, and county sponsor of the field day and judging school, the event has been held annually since 1938, with the exception of 1939, when it was necessary to cancel plans because of an April blizzard.

The Future Farmers of Williamsburg and their instructor, Earl Anderson, think they hold the record this year for major shop jobs under construction at one time. At present they are in the process of building eight 4-wheel trailers, two 2-wheel trailers, 1 bale elevator, 1 brooder house, 1 wagon box, 1 hay rack; and are repairing 1 disc, 1 drill, and 1 mowing machine.

Students of the Manhattan Vocational Agriculture department and instructor J. W. Taylor, were the subject of an interesting 4-column story published recently in the Manhattan Mercury-Chronicle. Two pictures, used in the story, showed Manhattan students grading grain and mixing mineral. The boys buy the mineral at cost for use on the home farm. More than 3,600 pounds have been mixed by the boys since September.

A new testing laboratory, a much-needed facility for training in Vocational Agriculture, has been added to the department in the McFarland trade school at Coffeyville. The laboratory will not only be used by Vocational Agriculture students but also by veterans taking on-the-farm training. Construction of the laboratory provides complete facilities for testing milk, seed and soil. All necessary equipment has been provided and installed or placed in the testing enclosure. According to Marvin Castle, Vocational Agriculture instructor, other items will be added from time to time.

# Cooling your crop on a G. F. X.



**Santa Fe**

**S. F. R. D.**

**32466**

CAPY 75000  
LD LMT 78100  
LT WT 57000 WC 6 38

MORE THAN FIVE TONS OF ICE go into the bunkers at each end of a Santa Fe refrigerator car when the car are precooled to keep vegetables and fruit protected en route.

For efficient mass movement of perishables, look to the Santa Fe.

Vegetables, lettuce, citrus, melons, grapes, and literally dozens of other perishables are sped to market via G. F. X.—the Green Fruit Express trains of the Santa Fe.

More than 14,600 refrigerator cars are part of the Santa Fe fleet. Icing plants are strategically located all

along Santa Fe lines. And the special service instructions of the growers are followed to the letter, just as your shipping instructions will be, when you ship "Santa Fe—all the way."

For details on how we can serve you, see your Santa Fe freight traffic representative.

T. L. BOTHWELL, General Freight Traffic Manager  
Chicago 4, Illinois



## Ship Santa Fe—all the way

**WOODMANSE PUMPS**

can take it!

Built for dependability, the Woodmanse line offers both shallow and deep well pumps. THE SHALLOW WELL PUMP, designed for lifts of 25 feet or less . . . pressure 20-40 pounds . . . capacity 350 G.P.H. THE DEEP WELL PUMP is built for heavier loads where really rugged equipment is required. Stainless steel piston rods, all brass plunger assembly, close tolerances in all parts assure longer wear and quality performance. SEE THE WOODMANSE LINE or write Dept. 407 for complete details.



**WOODMANSE MFG. CO.**  
FREEPORT, ILL., U.S.A.

## KILL WEEDS and BUGS

*Automatic*  
Crop and Cattle  
**POWER**  
**SPRAYER**

U.S. Patents and Patents Pending

- Applies spray below leaves . . . safe way to spray corn.
- Kill Cocklebur, Sunflower, Bindweed and other profit robbers.
- Kill Hessian Fly, Chinchbugs, Lygus Bugs, Grasshoppers, Fleas.
- Spray 200-300 Cattle Per Hour. Add 10 to 15 Dollars Per Head. Use Cattle "Broom" or Pressure Gun.
- Spray Corn, Wheat, Alfalfa, Cattle, Hogs, Sheep.
- Apply DDT, HCCH, Sabadilla Insecticides, Weed Killers.
- Fight Flies, Lice, Mange—Spray Livestock, Barns, Chicken Houses, Hog Houses.

**AUTOMATIC EQUIPMENT MFG. CO.**  
DEPT. KF-22 PENDER, NEBRASKA



1. Kill Corn Borer—Ample capacity.
2. Mount Booms Front and Rear.
3. Tank Unit Hinges Rigid Tractor. Single wheel follows front wheel track. Turn in corn rows without damage.
4. Raise or lower Boom to fit Land Contour
5. 20 models for all farms . . . all Tractor

**\$87.50 up**

SEE YOUR DEALER OR

**SIGN AND MAIL TODAY FOR FULL DETAILS**

Name \_\_\_\_\_

P.O. \_\_\_\_\_





You poultry raisers can help your chicks start fast by having the hoppers full of Gooch's Best Starting Feed when those new baby chicks arrive. Your chicks will get only one chance to make a safe, fast start . . . so don't you throw this chance away.

You see, Gooch's Best Starting Feed is made especially to get your baby chicks through those first critical weeks. It is farm proved and laboratory tested and contains the essential amounts of vitamins, minerals, proteins, carbohydrates — needed for growth, rapid feathering and high livability.

Yes, start smart with a smart start and get on the success side—the profit side. See your Gooch Feed Dealer now.

#### IN COLORFUL PRINT BAGS, TOO!

All Gooch Chick Feeds are packed in valuable, useful, hard-to-get dress print material in many attractive designs . . . just the thing for home sewing.

See Your Gooch Feed Dealer

**GOOCH'S  
BEST  
STARTING  
FEED**

Mash — Pellets — Granules



## What Happened to Sumatra

(Continued from Page 4)

acy and of the decadence of the democratic powers, as disciples of their powerful propaganda campaign. They were equally convinced that Sumatra was to be a free-flowing fount of valuable raw materials which would carry the Empire to new peaks of world domination and to new prosperity. These factors caused them to use extreme caution in avoiding destruction to property and in operating each plantation property to the best view of its long-time benefit.

The British and American citizens who had not already left, before the Japs came, were soon interned. Non-belligerent Dutch were left in their posts, to run the estates, with a salary roughly equivalent to the wages they had formerly paid their laborers. The Japanese chose an advisory council of about 5 of the leading Dutch plantation managers of the East Coast to assist them for about one year, in planning the substitution of local food production with the smallest possible interference with the normal economy of the area in postwar years. It matters little that these managers had the view that they were saving the region for future Dutch operation, and the Japanese had the view that it was for their future dominion. The job of adapting the economy to provide space for food growing could not move many laborers from their present dwellings in estate labor housing projects. This required that each estate contribute the area to sustain its own laborers. This was done after studying the production records of the estate and by then removing the first-planted or otherwise least productive areas. Young areas, which were not able to compete with weed growth were weeded to maintain their growth to maturity.

#### Few Young Men Returned

The Japanese viewed this large pool of energetic laborers who were producing only their own food, and soon began drafting the younger men for road-building jobs in North Sumatra, Burma or for a local canal project which was to provide irrigation for an extensive rice area—where there had formerly been a rubber estate belonging to an American manufacturer. The Japanese had no medicines or medical services to provide to the laborers on these work projects. The mortality in the work camps was tremendous and few of these young, vigorous men ever returned. It is said that 1,200 of them died in constructing the canal. Laborers were reduced to about 40 to 60 per cent of the number who formerly lived on this coast, and those remaining were generally old, ill or were otherwise less efficient than in former times. Health conditions had seriously deteriorated, but had not been as bad as in the concentrations of forced laborers.

The sudden capitulation of Japan found the British forces of this region poorly equipped for the job of occupation. When the first attempts were made at occupation the job was so feebly done that extremists among the nationalist groups were soon encouraged to action. The occupation troops entered only a few of the coastal ports and left the Japanese forces (now surrendered) in charge of the camps of American, English and Dutch prisoners, which were outside the port areas. The British Indian troops, who made up the major portion of the occupying forces, soon began propaganda among the local populace and many sold their guns or left their units to lead groups of the natives in pillage and looting. Local native groups who had expected a strong white occupation immediately, and who expected to find their jobs on the plantations available at once, were amazed with this state of affairs.

#### The Towns Were Burned

At no time was there strong leadership among the rebel forces. Rather, these groups were composed of a few followers of voluble local leaders. Looting and destruction by the various groups followed no particular pattern but depended upon the whim of the particular group leader and upon his ability to control his group. Local sultans and rajahs, wealthy local residents, and all signs of law and order were the first objects of these groups in their campaign of destruction, which was frequently on a wanton scale. The ancient and architecturally superb towns of the highland Bataks were burned by extremists from within the towns, and

the inhabitants abandoned these cities that had resisted centuries of invasion and lands which had long supplied the vegetables for Sumatra and for export to Singapore. They fled to remote areas.

It should be kept in mind that these acts took place at a time when there was no immediate danger of invasion by another power, during a period when the world talked as if there was a government of the Republic of Indonesia. In Sumatra this government never governed. Anarchy ruled, there was no effort toward production. Destruction and looting was in general limited to efforts to destroy the same administration of the sultans and other local administrators. These had been accustomed to exercise full authority in local government, under the Dutch. The Republican forces, communist inspired, knew that they must first break this local authority before they could themselves bring about a popular clamor for their nationalistic rule.

Eventually the falsity of the claims of the Indonesian Republic were recognized by sane leaders, and these began to fight the battle of a really free choice of government to restore the productive power of this area. This fight was led by Doctor Mansoor. This eminent surgeon, who counted many Europeans and Americans among his pre-war clients, was of high birth and had been educated in medical schools of the Netherlands. When I recently talked with him and with his charming family over a cup of tea, he told me that his son is studying to become a doctor, and that he hopes to be able to send him to an American medical school to complete his education.

Doctor Mansoor has the plan to set up the new state of Negara (E. C. Sumatra) within the federation of the United States of Indonesia. He told me this government is based upon the plan of the United States of America, and that it is his hope he can have advisers in government and in technical skill to help him make it work. He is eager to rebuild production and is impatient to get rubber and palm-oil moving to the United States, where it is needed.

When he told me this I said, "Fine, we do need those and we will be glad to return your trucks and automobiles." Doctor Mansoor beamed and clapped me on the back as he replied, "especially Jeeps." This ubiquitous little work-horse certainly is playing an essential role in reopening this country, in which many roads have again become gullies. Doctor Mansoor mentioned one rubber estate of 5,000 acres that is ready to start tapping, but which cannot do so for lack of 2 trucks to haul out its latex. He constantly stresses the need for new transportation, and is now trying to get the silt removed from the harbors, to ease the movement of produce.

#### Stresses Need of Education

Doctor Mansoor is a strong man, clear and direct in his thinking. One cannot help admiring his courage when he attempts to rebuild this fertile empire, and to build it on the basis that it is essential to have the productive power of the area restored and increased. He plans to enlist the help of the Dutch, the Americans or of any other capital which will recognize his ambition to build a free Indonesian state within the United States of Indonesia. He stresses the need of educating a populace that is 95 per cent illiterate. He was interested in my sug-

(Continued on Page 31)

#### House Framing

A booklet issued by the Kansas State College Engineering Extension Department, "House Framing," may be welcomed by persons who are considering building or remodeling homes. It has much valuable information with many illustrations on such subjects as foundations, codes, frame walls on concrete floors, roof construction, cornice framing, porch framing, and how to solve common framing problems. There are 70 pages in the booklet. If a free copy is desired, please address your order soon to Farm Service Editor, Kansas Farmer, Topeka, as the supply is limited.





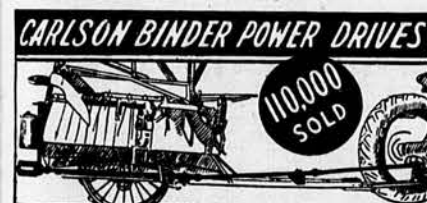
**FIRST FOR 50 YEARS**

Ever since soybeans were first grown here as an important farm crop, NITRAGIN scientists have kept pace by providing better strains of inoculating bacteria. NITRAGIN, the most widely used inoculant in the world, was registered in 1898. Give your soybeans the inoculation they need. Use NITRAGIN . . . it gets results!

Free NITRAGIN bulletins tell how to grow better peas, alfalfa, clovers and soybeans. A card will bring them to you.



**THE NITRAGIN CO., INC.**  
3708 N. BOOTH ST. • MILWAUKEE, WIS.



**FARMERS:** Convert your ground drive binder into a practical power binder or a power driven windrower with the CARLSON POWER DRIVE BINDER ATTACHMENT.

Get all the advantages of a power binder • cut full swath in any grain • cut up to 40 acres per day with half the fuel • sensitive clutch protects the mechanism of the binder • attachment eliminates many costly parts such as bull chain, sprockets, bearings, pitman shaft, etc.

See our Local Dealer or Write  
**CARLSON & SONS**  
BERESFORD SOUTH DAKOTA



**NOW** You Can **SPEED UP YOUR FARMALL-F-20!**

WITH A **Behlen HI-SPEED GEAR BOX**

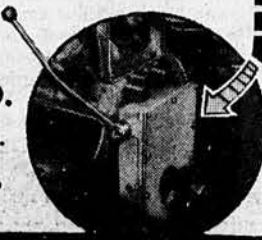
How often you've wished for more speed with your dependable old F-20 or your Regular Model Farmall, so it would be handy for hauling and all such work!

Now, you can do 14 to 15 miles an hour. Simply shift gear.

Think of the time saved on the highway, traveling between fields and barns, bucking hay to stack and other similar jobs. Almost like having another tractor on the place.

Behlen Hi-Speed Gear Box costs surprisingly little. Fully guaranteed. Quickly, easily installed — by dealer or yourself. Will fit on tractors having the regular Lift-All Pump. Write for full particulars, where to buy, etc.

**Behlen MFG. CO.**  
Dept. 408  
Columbus, Nebr.  
Mfrs. Behlen Drying Equipment, Hand-Hydraulic Wagon Dumper.



## Sumatra

(Continued from Page 30)

gestion that since his citizens are avid movie fans they can best be reached by means of educational films. Here is a real opportunity for someone.

The unfortunate move of the UNO, which caused the Dutch to halt their campaign to liberate the productive units of the East Coast from the control of the Indonesian Republic bandits, whose forces include escaped Japanese, absconded British Indians and other irregulars, when only about half of the East Coast was liberated, has now caused the new state of Negara to build an army. This army will have the job of the liberation of the remaining territory, and its restoration. It will not be a big job, as the remaining rebels are few. The flow of rice, cloth, dried fish and regular wages that came to those who have their jobs on the former rubber and other estates has had an enthusiastic response from the former laborers. They have returned to their old jobs and greet their former white superintendents with a cheery "Tabek tuan," with what appears to be even more vim than before. There are not enough of the laborers left to run all of the plantation jobs, but those who are here are ready to work regularly to the limit of their reduced strength.

### Much Machinery Remains

This does not mean that the plantations do not have problems. Some lost most of their buildings to looters or to Indonesian Republic fanatics who burned what they could before the advance of the Dutch troops. Much machinery remains. The methodical Japs carefully recorded the location to which motors and mills were removed, and much can be located. Rubber plantations lost as much as one third of their planted area to flooding and to food-crop planting. Oil-palm plantations lost somewhat less, since their plantations provided food and also oil which operated most of the Diesel engines of the region until petroleum was available. The oil factories were little damaged and shipments of palm-oil in quantity only await the restoration of shipping tanks and port facilities. The estates which gave the world its wrapper-leaf tobacco formerly, permitted their land to lie fallow for 6 years and grew only one crop each 7 years. Only so could they get the thin leaf with a low ash content. The reserve land of these estates is now all occupied by Chinese squatters. It is ruined for immediate culture of this type of tobacco, and will probably never be again available to the tobacco companies. We can look forward to a serious reduction in this crop from Sumatra.

### Some Acreage Abandoned

Rubber will again appear in large quantities, since many new areas of high-yielding clones have reached tapping size during the war years. These areas will tend to offset the reduction due to areas having been cut out. Labor and other production costs have risen by about 300 per cent and the price of rubber is still lower than it was just before the war began. Only plantations of high-yielding planting material can justify the cost of rehabilitation and some of the poorer areas may be abandoned.

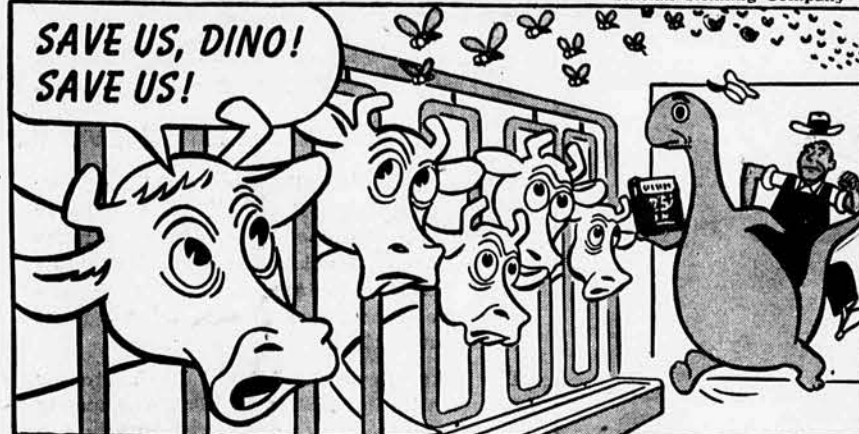
The tea plantations were materially damaged by Indonesian sabotage and arson as the Dutch occupation troops approached. Many of the tea bushes were removed and the factories and dwellings were burned. Sumatra tea was a very uniform, medium-quality product which was produced in unequal quantity per acre of the fertile land. It was formerly the basis of many of the popular blends of tea used in America. This industry will probably be slow in its recovery.

The greatest source of confusion and uncertainty facing a prospective investor who wishes to restore his holding in this area is the quandary of the Dutch advisers to the United States of Indonesia. The Indonesians are much more clear in their thoughts at the moment. The Dutch motherland is bleeding itself of all resources to maintain the army here and the army is idly sitting by, due to a concession to the UNO. The government pleads for more foreign investment and yet they have not decided the level of personal or corporation taxes, and there are many who plead for increased wages and for more advantages for labor. At present there is not enough labor in Sumatra.



Sinclair Refining Company

**SAVE US, DINO! SAVE US!**



**HAVE COURAGE. SINCLAIR 25% DDT CONCENTRATE WILL SAVE YOU. I'LL MIX IT WITH WATER\*... AND THEN WATCH**

**WHAT'LL HAPPEN?**



**LATER**

**LOOK, THIS ONE SPRAYING WILL BE EFFECTIVE FOR SEVERAL WEEKS... AND SINCLAIR 25% DDT CONCENTRATE HAS MANY OTHER USES, TOO. BETTER GET SOME. IT'LL SAVE YOU MONEY**

**YOU BET! I'LL PHONE MY SINCLAIR AGENT NOW**

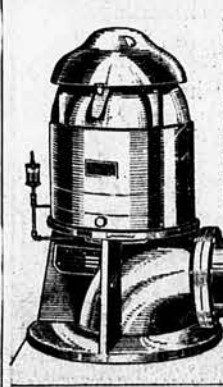


\*Complete formulas for mixing appear on each container.

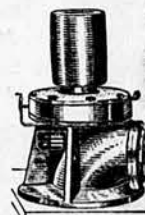
PHONE OR WRITE YOUR SINCLAIR AGENT FOR

**SINCLAIR**  
**25% DDT CONCENTRATE**

## IRRIGATION Can Double Crop Yields!



**MAKE YOUR PLANS NOW.** Your WESTERN Pump installation cannot be had on a few days' notice. We drill your test, then engineer the pump expressly for the conditions found. A pump testing laboratory is necessary for accurate engineering. We have a laboratory — recognized by irrigation experts as one of the most modernly equipped in the entire U. S. That is one of the reasons why WESTERN Pumps are so outstandingly successful. WESTERN service is complete. We drill your well and install your pump and also your power plant, either electric motor or gas engine, completely ready to operate.



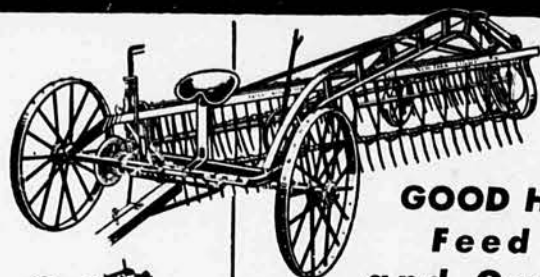
Furnished with either Direct Connected Electric Motor, Flat or V Belt Drive, or Right Angle Gear Head Drive.

Write today for free Catalog and full particulars.

**WESTERN LAND ROLLER CO.**  
Dept. 121  
Hastings, Nebraska



## New Idea Haying Machines



### GOOD HAY - natural Feed Stretcher and Grain Saver

This year you certainly want the best hay you can possibly put up. NEW IDEA Haying Machines are especially designed to make secure the protein riches so easily lost; while their reliable construction and smooth performance enable you to take advantage of every favorable break in the weather.

The take-off powered NEW IDEA Tractor Mower, with its quick, easy hitch and speedy performance, starts you cutting hay the moment conditions are right. The NEW IDEA Side Delivery Rake, with its flexible spiral reel and patented double-curved teeth, builds tall fast-drying windrows in a manner that protects both leaves and color. Can also be reversed for tedding. The NEW IDEA Loader picks up clean, elevates without threshing and delivers on the load without losses.

See your NEW IDEA dealer soon and let him explain the many excellent features of these high quality haying machines. Or mail the convenient coupon for free descriptive circulars.



### NEW IDEA Farm Equipment Co.

Dept. 235, Coldwater, Ohio

Send free information on items checked.


Tractor Mower ☐

Side Delivery Rake ☐

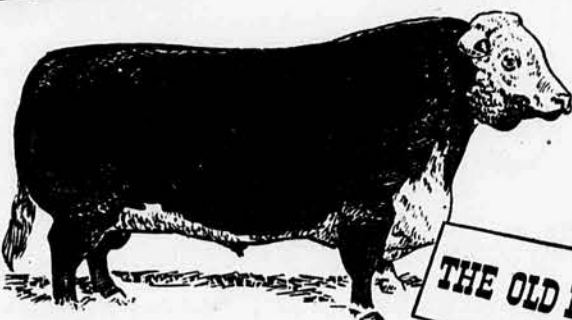
Cylinder-Pushbar Loader ☐

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_



**"The New Look"**



**THE OLD LOOK**

A new look that really pays off in more and better beef...the result of 46 years research, proper selection and careful breeding.

CF&I is bigger and is developing finer products, too. During the same period constant research and expansion have provided the finest farm products possible...ones which you can always buy with confidence.

**CF&I PRODUCTS FOR FARM & RANCH:** Fence, Poultry Netting, Bale Ties, Nails, Fence Stays, Barbed Wire

**The Colorado Fuel and Iron Corporation**  
General Offices: Denver, Colorado  
Pacific Coast Sales: The California Wire Cloth Corporation, Oakland, Calif.

## Troubled With Rats?

Try Control Methods Recommended by Wildlife Service

By ED RUPP



Wrapping up red squill rat bait in the county agent's office at Saline are Arline Tillberg, left, and Maxine Hullet, both of whom are employed in the agent's office. Holding a 1-pound bag of newly packaged red squill bait is A. E. Anderson, Saline county.

**H**OW are the rats doing on your farm? If they are getting along as well as rats usually do, the chances are your rat population is larger than you might think. And the chances are equally as good that they are costing you more money each year than you would guess. And that does not take into account the dangers to your health, because rats are directly responsible for certain deadly diseases. And there is a possibility they may be a factor in some other diseases which frighten us each year.

But look at it from the cost angle alone. For some years property damage attributed to rats alone has been set at the round figure of \$200,000,000 annually in this nation. And there is little reason to believe the cost is any less now. In fact, it could easily be higher.

More than 10 years ago the United States Biological Survey estimated an annual average loss of \$35 to each farmer from rat depredation. Even then some private investigations revealed average losses as high as \$80 a farm. Figure it out. How much more valuable is a bushel of wheat today in comparison with 1936 prices?

For 2 months, from January 15 to March 15, B. F. Lowery, assistant district agent with the Fish and Wildlife Service, Denver, has been helping Kansas farmers with their rat-control problems. Mr. Lowery was lent to the state to aid with the rodent-control program which is one part of the national drive for food conservation. He worked thru the extension service at Manhattan. And during those 2 months contacted nearly half the counties in Kansas indirectly thru special meetings and directly thru farm demonstrations.

Recently this writer had the opportunity of watching Mr. Lowery demonstrate rat baiting on the R. Bruce Johnson farm, in Saline county. Another demonstration was planned for the same day on the A. E. Anderson farm, in another part of the county.

But before doing the actual baiting, Mr. Lowery spoke to the group of farmers on rat-control problems. And he speaks with authority, having spent 25 years of research and study in rodent and pest-control work. You gather from his talk that he considers the rat one of the craftiest, most cunning enemies with which he has dealt. At the same

(Continued on Page 34)



R. Bruce Johnson, left, holds a sack full of bait while Mr. Lowery chucks 10 or 12 into a rat hole under Mr. Johnson's steel grain bin. Rats were hiding in burrows beneath the bin and crawling under the door to eat grain inside. Even tho it would have been safe to use gas here, Mr. Lowery pointed out it would not have been effective. Gas must be pumped directly into the burrow.



You Can Keep Them Busy The Year 'Round If They Are

# Cunningham

ESTABLISHED 1838

## GARDEN TRACTORS MOWERS

### GARDEN TRACTORS

Everything it takes to do close, accurate work with minimum effort... matched implements for jobs the year 'round. Two models... for home and truck gardener.

### ATTACHMENTS

- Cultivator
- Moldboard Plow
- Disc Harrow
- Seeder
- Sickle Bar Mower
- Reel Type Mower
- Spray Rig
- Wheel Weights
- Snow Plow—Bulldozer

### THE NEW POWER LAWN MOWER

This new Cunningham Mower makes lawn mowing faster, easier... convenient clutch and throttle controls... big 1 1/2 HP Cunningham engine... semi-pneumatic tires. You will like the speed and efficiency with which it works, and its ease of operation.

### SICKLE BAR MOWER

Free wheeling... rubber tires... convenient controls... easy to operate... does hundreds of jobs... ideal for custom work. Reel Type Mower and Spray Rig Attachments. Also available with steel wheels.

### PORTABLE ENGINE

Provides the power for Cunningham Mowers and Garden Tractors, and for many other power jobs... 1 1/2 HP... precision construction... you can change it from garden tractors to mowers to many other power jobs quickly and easily by simply loosening four bolts.

Write Dept. 9 for big FREE Illustrated Catalog

## JAMES CUNNINGHAM, SON & CO.

Rochester 8, New York

# WHITE MAGIC

For making extra money White Corn does the trick! For big profits grow White Corn this year. See your dealer today.

## Coming Events

April 3—4-H district judging school, Lincoln.

April 3—F. F. A. dairy cattle selection school, Topeka.

April 3—Labette county district 4-H Club day at Parsons.

April 3—Osage county 4-H Club day and festival, Lyndon.

April 3—Barton county 4-H clothing judging school, Great Bend.

April 3—F. F. A. Livestock selection school, Lewis Farms, Larned.

April 3—Montgomery county. Sub-district festival, 5-county meeting, Altamont.

April 3—Wichita county home furnishings meeting, Vera Ellithorpe, KSC Extension specialist, leader.

April 3—Pottawatomie county 4-H Club day. Westmoreland high school, 9:30 a. m. to 4 p. m. Fifteen 4-H Clubs will participate in this event.

April 3—Lincoln county Hereford breeders spring show and district 4-H judging contest, Ed Goldgrabe farm 5 1/4 miles north of Sylvan Grove, 10 a. m.

April 5—Woodson county poultry meeting, M. A. Seaton, leader.

April 6—Lyon county farm and home management meeting, Griffith and Myers, leaders.

April 6—Jewell county school for leaders of home demonstration units, Vera Ellithorpe, leader, Mankato.

April 7—Northeast Kansas F. F. A. public speaking contest, Effingham.

April 7—Jewell county rural youth meeting, Velma McGaugh, K. S. C., leader, Mankato.

April 8—M. A. Seaton will make a series of poultry flock visits in Bourbon county on poultry management.

April 8—Hays, an agricultural, industrial and science conference, at Fort Hays College. Co-operating are: Western Kansas Development Association, Kansas Industrial Development Commission, Kansas State Farm Bureau, Kansas State College and Kansas State Chamber of Commerce.

April 9—Outlook meeting, Clay Center.

April 9—Mitchell county rural life meeting, Velma McGaugh, leader.

April 9—Nemaha county-wide beef tour and meeting, Sabetha.

April 9—Scott county clothing school for unit leaders, Naoma Johnson, leader.

April 10—Marshall county 4-H day.

April 10—District 4-H festival, Hays.

April 10—District 4-H Club day, Hays.

April 10—F. F. A. livestock selection school, Moxley Hall Ranch, Dunlap.

April 10—Eastern Kansas sub-district 4-H festival, Wamego high school, 9:30 a. m.

April 10—Brown county, Northeast Kansas Better Beef Day, featuring junior judging contests and free beef dinner, Horton.

April 10—Elk county semi-district 4-H Club spring festival for Chautauqua, Cowley, Butler, Greenwood and Elk counties, Howard, high school building.

April 12—District publicity school, Osborne.

April 12—Reno county sheep and swine meeting, C. G. Elling, leader.

April 12—Scott county. Meeting on 4-H Club activities, Glenn M. Busset, leader.

April 12—Meeting on use of farm equipment in maintaining soil conservation, Fort Scott.

April 12—Russell county farm management summary analysis meeting, Russell, 7:30 p. m.

April 12—Lyon county livestock and insect control program and demonstration, Dr. E. G. Kelly, leader.

April 13—Quality egg program, Clay Center, Farm Bureau hall.

April 13—Ottawa county. Specialists meeting on balanced farming, Griffith and Myers, leaders, Farm Bureau basement, 10 a. m., Minneapolis.

April 14—Johnson county complete farm planning meeting, Olathe.

April 14—Woodson county contour farming and tillage demonstration, Knight, Selby and Harper, leaders.

April 15—McPherson county beef cattle field day.

April 15—Washington county. Summary meeting of Farm Management Association, Washington, Court Room.

April 15—Riley county annual meeting of the state F. F. A. executive committee, Manhattan, A. P. Davidson's office, K. S. C., 10 a. m.

April 16—Scott county. Crops school, Frank Bieberly, leader.

April 16—Northwest Kansas F. F. A. livestock selection school, Foster Farms, Rexford.

April 17—Southwest Kansas F. F. A. dairy cattle selection school, Hutchinson.

April 17—Northwest Kansas F. F. A. dairy cattle selection school, Experiment Station, Colby.

April 17—Chase county spring beef show and barbecue.

April 17—Jewell county garden tour conducted by Dr. E. G. Kelly.

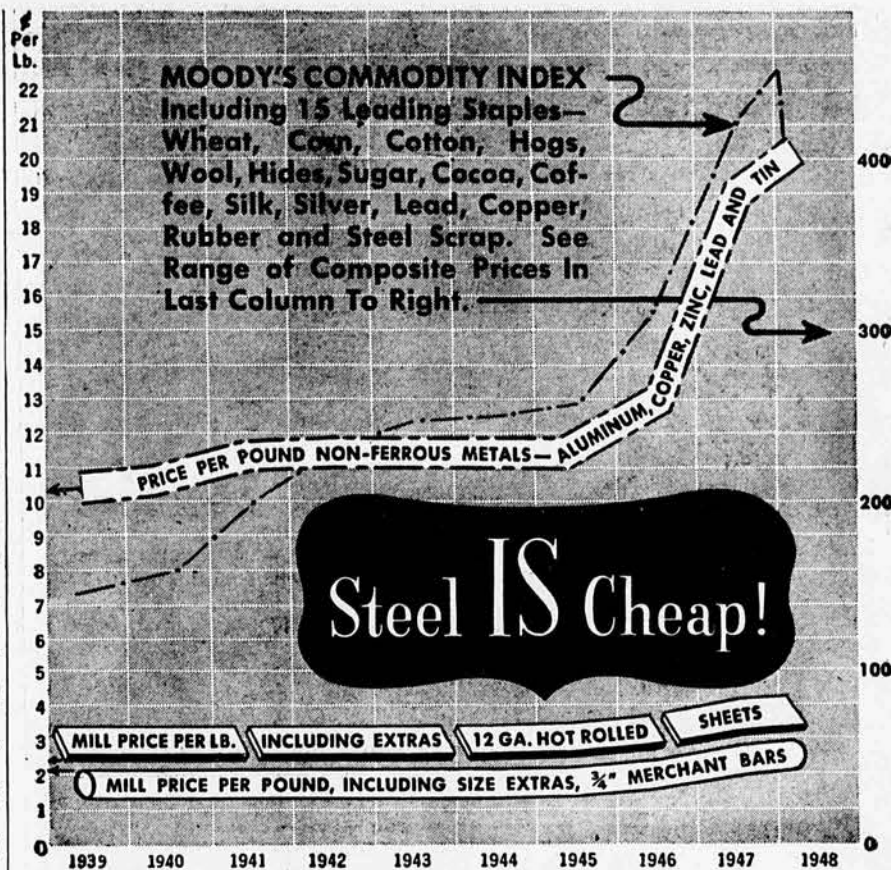
April 19—Butler county farm management annual summary meeting, Augusta.

April 20—Reno county horticulture meeting, leader, W. G. Amstein.

April 21—Mitchell county poultry brooding school and tour in the county, M. E. Jackson, leader.

April 21—Reno county farm management meeting, Coolidge and Myers, K. S. C., leaders.

April 23—Annual Western Kansas Vocational Agriculture judging contest, Fort Hays Experiment Station, Hays.



## STEEL PRICES LAG... Far Behind Prices of Most Commodities!

It is easy for all to see, hard for some to admit—

1st, that steel prices are relatively low—

2nd, that price advances have been comparatively modest.

For example—note that the mill price, including extras, on 12 ga. hot rolled 60" x 100" steel sheets in 1939 was 2 1/3¢ per lb. In February 1948, it had advanced less than 1¢ to 3 1/4¢ per lb. In the same period 3/4 inch merchant bars, including extras, advanced from less than 2 1/5¢ to slightly over 3¢ per lb.

Sheets and merchant bars are two finished steel items in most popular demand. They comprise nearly 22% of all mill shipments of finished steel in 1947.

Now, compare prices on steel's most wanted items with composite prices on the five non-ferrous metals. In 1939 it was over 10 1/2¢ per lb. By 1948 it had zoomed to over 20¢ per lb. Or, compare the steel industry's record of holding prices down with prices on the 15 leading commodities which affect the cost of living most. Composite prices of these shot up from an index of 150 in 1939 to over 450 as of January 1948.

Had steel prices made comparable advances to non-ferrous metals, the price on sheets and bars would now be 4 1/2¢ per lb. or 7 3/4¢ per lb. had steel prices advanced like commodity prices.

**Steel IS Cheap!**

## SHEFFIELD STEEL CORPORATION

HOUSTON KANSAS CITY TULSA

Carbon and Alloy Steel, Ingots, Blooms, Billets, Plates, Sheets, Merchant Bars, Steel Joists, Structural Shapes, Road Guard, Reinforcing Bars

Welded Wire Mesh, Wire Products, Wire Rods, Fence, Spring Wire, Nails, Rivets, Grinding Media, Forgings, Track Spikes, Bolt and Nut Products

## SHEFFIELD STEEL

SALES OFFICES: Chicago, Ill.; St. Louis, Mo.; Des Moines, Ia.; Omaha, Nebr.; Wichita, Kans.; Denver, Colo.; Oklahoma City, Okla.; Dallas, Tex.; San Antonio, Tex.; Lubbock, Tex.; New Orleans, La.; Shreveport, La.

### NEW Duplex HYDRAULIC SCOOP AND REVERSIBLE BULLDOZER & SNOWPLOW

For hydraulic equipped tractors. Hand lift model also available.

With this hydraulic scoop, you can dig, deliver, place more dirt faster, easier.

Write Today for Details and Literature  
**DUPLEX MANUFACTURING CO., Dept. A-9**  
21st and Locust Sts., East Omaha, Nebraska

### The BEAR CAT

Combination GRAIN and ROUGHAGE MILL Also ENSILAGE CUTTER

Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or snapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write Western Land Roller Co., Box 135 Hastings, Nebr.

### NOW...AS YOU PLOW...LAY YOUR OWN... CONTOUR LINES

NO SURVEYING • NO STAKING • NO WALKING

**STOP SOIL EROSION — GET BIGGER CROPS!** Here — at last — for everybody — low-cost, high-profit contour farming! Save your topsoil — keep land fertile — stop washouts. Mount the contourliner on your tractor and lay out your fields as you plow. No guesswork! Drill in wheat, oats, pasture, furrow, lay out orchards, etc., without preliminary surveying. Field tested. An accurate, scientific instrument. Easy to read as a car speedometer. Approved by leading "Ag" colleges and soil experts. Write for free folder and low prices.

**THE ELLIS SALES CORP., Dept. KF-4 Fairfield, Iowa**



## DUST 20 ACRES PER HOUR with the BIG 40-foot Boom



### Niagara TUBULAR BOOM DRI-FOG DUSTER

Applies from 10 to 40 lbs. per acre. For dusting small grain. For weed control with 2-4D. For dusting alfalfa and clover seed crops with DDT and BHC dusts. For grasshopper control with Niagara BHC dusts.

**Increase your wheat yields 25%** by controlling weeds with NIAGARA TUBULAR BOOM DRI-FOG DUSTER and 2-4D Dust.

**Double alfalfa and clover seed yields** with NIAGARA TUBULAR BOOM DRI-FOG DUSTER plus Niagara Niatox 5 (DDT) Dust and Niagara BHC Dusts.

A complete line of pesticides for crops and external animal parasites.

SEE YOUR DEALER OR

WRITE FOR INFORMATION



### NIAGARA CHEMICAL DIVISION

FOOD MACHINERY CORPORATION

206 NIAGARA STREET, MIDDLEPORT, NEW YORK

Richmond, Calif. • Jacksonville, Fla. • Pompano, Fla. • New Orleans, La. • Greenville, Miss. • Harlingen, Texas  
Canadian Associate: NIAGARA BRAND SPRAY CO., LTD., Burlington, Ontario



UNLOAD your Truck with

**DUMP IT  
HOIST**

Let the ENGINE do the WORK!

Only DUMP IT has these 4 features:

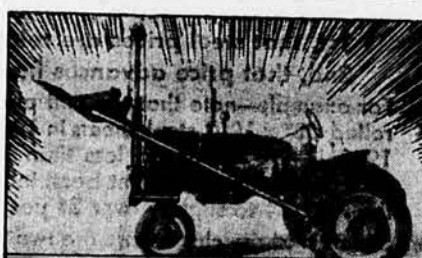
1. CHANNEL STEEL LONGBEAMS replace your truck's wooden longitudinals.
2. FULL LENGTH SUBFRAME reinforces truck frame. You get 2 inches lower mounting.
3. OVERLOAD SAFETY VALVE protects your investment; by-passes oil under excess load.
4. SAFETY LOCK holds body down. No tipping from load shifting to rear of bed.

WRITE for folder and dealer's name. Please give name of your county.

**ST. PAUL HYDRAULIC HOIST**  
Division, Gar Wood Industries, Inc.

2204D Univ. Ave. S.E., Minneapolis 14, Minn.

The RED HOIST that has made history



### FOR SMALL TRACTORS

The New WORKMASTER, Jr., is the only loader on the market specially designed for the Model "B" and "C" McCormick-Deering, Model "H" John Deere, Model "B" and "C" Allis-Chalmers, Model Vac and VA Case and other small tractors. Operated by hydraulic power; has 2-way jack which assures quick action on the bucket, when lowering or lifting, under any weather condition. Pump valve and tank are single, compact unit. Easy to maneuver even in cramped areas. Clears any opening through which tractor itself will pass. Quick and easy to attach or detach. Weight 375 pounds, complete unit, including jack and pump.

Perfect by one of the oldest manufacturers of loaders

For Additional Information, See Your Implement Dealer, or Write Direct to Us, care of Dept. KF-4

**NEW METHOD EQUIPMENT COMPANY**  
INDIANOLA, IOWA CEDAR RAPIDS, IOWA

## Watch out for GERM CARRIERS

One "carrier" can infect your entire flock through the drinking water. Fight water-borne diseases the IMPROVED way with Corn King Hydro-Cide.

- Many times stronger than carbolic acid in germ-killing properties.
- One tablespoonful sanitizes an entire gallon.
- Odorless, tasteless, harmless to birds of all ages.
- Nominal in cost.

Protect your chicks and step up profits. Get Hydro-Cide at your hatchery, feed store, or poultry supply dealer—or write for circular.



**Corn King  
HYDRO-CIDE**

THE CORN KING CO., CEDAR RAPIDS, IOWA

## Troubled With Rats?

(Continued from Page 32)



Mixing a pound sack of red squill bait into torpedoes is B. F. Lowery, left, district agent, Fish and Wildlife Service, Denver. A. E. Anderson, Saline county, examines a handful of the torpedoes which were used in rat-baiting demonstrations. One pound will make 80 torpedoes.

time the rat carries the reputation of being one of the filthiest, too.

Mr. Lowery seems to hold little faith in trapping. A lot of rats can be rid from the farm in this manner, but it is doubtful that trapping will do more than stay even with them. He points out that the gestation period of rats is 21 days and one pair can produce 12 litters a year. The average size of litters is 6, but litters of 22 have been found. That 22 is considered the world's record.

His prescription for rat control is initial baiting with red squill rat bait wrapped up in specially prepared torpedoes. He advises following this rat poison after a few weeks with antu. If rats still remain, red squill bait can be repeated after the antu, or the farmer may wish to use monoxide gas produced by an auto or tractor engine, or cyanide gas forced into the burrows with a special pump.

Gases must not be used in enclosed places because they can be exceedingly dangerous. They should be used only outdoors and actual access to the burrow is necessary for effective results. It is usually impractical to use the same kind of bait twice in succession. Rats become wary of a certain bait when many of their numbers have been killed by it. They seldom will touch a second helping made available to them.

To help push the rat-control program, Mr. Lowery pointed out that prepared red squill rat bait was being made

available thru the county agents over the state. It is packed in 1-pound packages which is sufficient to make about 80 torpedoes.

Mr. Lowery demonstrated the making of torpedoes to the group of farmers. A torpedo is nothing more than a teaspoonful of red squill bait twisted up in a square piece of fruit wrap tissue paper. The tissue paper is provided with each package of red squill. Fruit wrap tissue is used, Mr. Lowery pointed out, because it is a little tougher and slightly water resistant.

There are several good reasons why bait is wrapped into a torpedo, he explained. In the first place, dust is a definite deterrent in rat bait. Altho rats are filthy, they do not like dust in their bait. Tissue paper keeps the bait clean and free of dust.

If loose bait is spread along rat runs, they may not care to stop there to eat it. They prefer to drag bits of food to safe hiding places where they can eat in peace. The torpedo is perfect for the rat to carry. And they have a habit of dragging food into their burrows and down to their nests to feed their young. In this way 1 or 2 torpedoes dragged home to the family by Mr. Rat can wipe out the full nest.

Then there is another reason why the torpedo makes excellent bait. Rats have a persistent habit of tearing into things to find food. They like to tear holes in grain and feed sacks and tearing into

(Continued on Page 35)



After bait was thrown into the runway under the steel bin, Mr. Lowery blocked the entrance with a piece of firewood as an added protection against farm animals getting the bait.



## Unload in 2 Minutes!



with **LITTLE GIANT** DUMP BODY HOIST

### Low Cost - Easy to Install

Takes the heavy work out of unloading — gets the job done fast! Any farmer, trucker, etc. can afford one. Fits all trucks — all beds. Simple to attach — you can do it yourself. Does not change the chassis in any way. No hydraulic cylinder to adjust and service — LITTLE GIANT works equally well in hot or cold weather. Easy-crank operation. Only \$65 and up. More LITTLE GIANTS in use than any other. Absolutely guaranteed. Write for details and prices.

**LITTLE GIANT PRODUCTS, INC.**  
1570 N. Adams St., Peoria, Ill.

## HIGH SPEED LOW COST WAY TO PUT UP HAY

Jayhawk beats all for fast, low cost work in field or at the stack. With it one man can put up entire crop, or keep half dozen sweeps or wagons busy. Only Jayhawk fits all tractors, trucks, attaches, detaches in 2 minutes... carries load on its own wheels. Get full details. Send for **FREE CATALOG** low prices... today.

WYATT MFG. CO., 709 5th St., Salina, Kansas.

### IMPROVED, AUTOMATIC



Stacker... Hay Loader... Sweep... AN in One Machine

**HYDRAULIC OR MECHANICAL**  
40% Stronger Than Ever Before

## SALINA CONCRETE SILOS

**IF IT'S CONCRETE WE MAKE IT**  
Let us tell you about the Silo that is built to last a lifetime. The very latest in design and construction. See the new large free-swinging doors and many other exclusive features. The Salina Silo has been giving farmers perfect service for 35 years. Get the Facts—Write TODAY.

The Salina Concrete Products Co.  
Box K Salina, Kansas

## V-BELTS PULLEYS for COMBINES by FARRAR

See our classified ad under "Farm Equipment"  
**FARRAR MACHINE SHOP, Norwich, Kansas**

### Ottawa Self-Propelled Buzz Master

**CLEAR LAND FAST!** Powerful 7-HP motor with friction clutch for safe operation. Cuts down timber, brush and hedge; turn blade vertically and saw logs to length. Also furnished with post hole diggers. Has clutch pulley for belt work.

OTTAWA MFG. CO., 1-811 Brush Ave., Ottawa, Kansas

### NATIONAL Vitrified SILOS

Everlasting TILE  
Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing. No Blowing in. Buy Now. Freezing. Immediate Shipment. Rowell Roller Bearing Enslage Cutters. Write for prices. Special discounts now. Good territory open for live agents.

**NATIONAL TILE SILO COMPANY**  
636 Livestock Exchange Building  
KANSAS CITY 15, MO.

## WE PAY 3% ON SAVINGS

**THE American BUILDING AND LOAN ASSOCIATION**

Chartered and supervised by the State of Kansas. We invite your investment with us. Do business by mail. Send us your check for amount you want to invest. Our certificate sent you by return mail.

**The American Building & Loan Association**  
Security National Bank Bldg.,  
Kansas City, 10, Kansas

When Writing Advertisers, Mention  
Kansas Farmer

## Troubled With Rats?

(Continued from Page 34)

a bait-filled torpedo just adds to the sport of a fine meal. And when wrapping up the torpedoes, Mr. Lowery suggests doing it with bare hands. Apparently Mr. Rat loves nothing more than to tear into a sack of feed that carries the scent of a human being.

Rat bait being made available thru extension offices contains 10 per cent fortified red squill. Mr. Lowery cautions farmers to check labels carefully when buying red squill to make their own baits. Be sure it is fortified red squill, he points out, of which 500 milligrams will kill 1 kilogram of rat. Or one pound will kill 2,000 pounds of rats.

Then there are certain protective cautions necessary in the use of poisons in rodent control. There is an emetic in red squill bait. When taken in dangerous quantities by most farm animals or even by children, it usually is vomited. There is some danger, nevertheless. Particularly in hogs. Altho hogs are able to vomit, there is a resultant mechanical damage in violent regurgitation which is damaging.

At the Johnson farm Mr. Lowery found only a light infestation of rats. Altho Mr. Johnson does have several cats on the farm that kill rats, the light infestation probably is due to another reason. Mr. Lowery pointed out that the farm is kept clean. There was little evidence of trash piles where rats could find safe harbor. He pointed out that farm maintenance and clean-up is one of the first essentials in getting rid of the pests. Then, when constructing or remodeling buildings, he suggested that rats should be built out of them. Without safe hiding places, rats are less likely to become a menace.

### But They Got In

But Mr. Johnson reported rats had found entrance into one of his steel grain bins. The only way they could get in was thru a very small crack between the door and the bin. But they had found the entrance. It looked almost too small for a mouse, but Mr. Lowery claimed it was a cinch for a rat. Wheat in the bin provided good eating and they were able to slip between the cracks of the concrete block foundation.

Mr. Lowery tossed 10 or 12 torpedoes into each entrance under the steel bin. Then he blocked the entrances with a chunk of firewood or anything else that was handy. It was just an added precaution against farm animals finding the bait. Altho he used a lot of torpedoes for an apparently small rat population, he pointed out that rats are nocturnal animals. You seldom see them in daytime. For that reason there usually are more rats than one would think. He claims 90 per cent of the people under-bait because it is difficult for them to believe there are that many rats around. He believes there are few farms in the country where all the rats could be killed with just one pound of bait.

Boy Scouts in the cities and 4-H Club members in the country are being asked to take part in this rat-control campaign, Mr. Lowery says. It takes a lot of work just to stay even with rats. But he believes the rural program has taken on enough momentum this winter to keep going. There may be a time when we can take the upperhand over Mr. Rat.

### Invited to Missouri

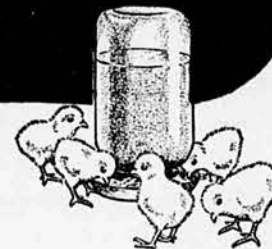
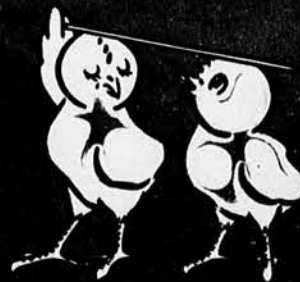
Flying Farmers of Kansas have been invited to attend the annual meeting of the Missouri Flying Farmers at Lebanon, April 24 and 25. This meeting will coincide with the Lebanon dedication of Skyway 1, running from Washington to Los Angeles.

Participation of Kansas flyers in this meeting will take the place of the annual spring tour. Some Kansans may be interested in trying their hand at hooking some Missouri fish in the famed trout-fishing resort at Bennett Springs Park, near Lebanon. An observation tour over some well-developed soil-conservation area also is a possibility. The Tipton, Mo., area would prove interesting in this respect. And that side tour would take the flyers directly over the Lake of the Ozarks region.

## Helps Chicks GROW Faster

## Prevents Cecal Coccidiosis

**Dr. Salsbury's REN-O-SAL**  
Double-Purpose Drinking Water Medicine



### Easy-to-Use... Tablets Dissolve Quickly

#### HELPS CHICKS GROW FASTER

Yes, you make extra profits, for chicks grow faster... lay earlier when Dr. Salsbury's REN-O-SAL tablets are used in their drinking water. These results have been test-proved, using customary feeds.

#### PREVENTS SPREAD OF CECAL COCCIDIOSIS

You can prevent the spread of cecal coccidiosis by giving your flock REN-O-SAL in larger doses upon the first signs (bloody droppings) of an outbreak. REN-O-SAL has reduced losses in thousands of flocks.

Convenient to use! Just drop handy tablets in the drinking water and mix. Tablets dissolve quickly.

### Get These Profit-Making Benefits

For extra profits, give your chicks the faster growth benefits of REN-O-SAL in their drinking water... right from the start. Keep REN-O-SAL handy for use in larger doses in case of a cecal coccidiosis outbreak. Play safe—buy Dr. Salsbury's REN-O-SAL at your local hatchery, drug or feed store, today.

**DR. SALSBUARY'S LABORATORIES, Charles City, Iowa**  
A Nation-wide Poultry Service

## Dr. Salsbury's REN-O-SAL

The ORIGINAL Drinking Water Medicine That Prevents Cecal Coccidiosis

C200R & C212PA

For Dependable Poultry Medicines, Ask for "Dr. Salsbury's"

## More Pleasant... BROODER HOUSE DISINFECTING with Dr. Salsbury's PAR-O-SAN

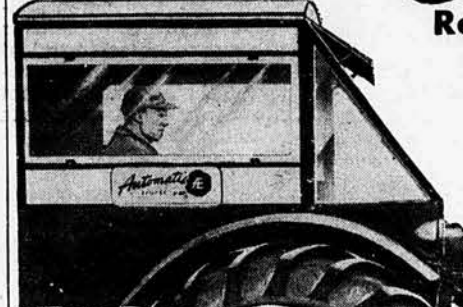


Get bigger profits from your poultry with modern sanitation. Use Dr. Salsbury's Par-O-San for your disinfecting jobs. It's pleasant and easy-to-use... powerful, yet won't harm even baby chicks when used as directed. Buy Dr. Salsbury's Par-O-San at hatcheries, drug and feed stores.

## Dr. Salsbury's PAR-O-SAN

PLEASANT POULTRY HOUSE DISINFECTANT

## Get This BIG NEW Tractorkab



### Roomy-Rugged-Low Cost

Do more work... in comfort! Keep good help... easier. Avoid flu, colds, Doctor Bills! Be the envy of your neighbors and make more money with this big, sturdy, insulated aluminum and steel TRACTORKAB! Let others suffer in the wind and cold while you work in warm comfort. Protects and improves your tractor. Made by the world's biggest manufacturer of Farm TRACTORKABS.

#### OTHER MODELS AVAILABLE FOR

John Deere A, B, G, GM; Farmall M, MD, H; Massey Harris 81, 101 Jr. & Sr., 102 Jr. & Sr., 44, 44-6; Case SC, DC, VAC; Allis Chalmers B, C; Minneapolis Moline 2TU, UTU; Oliver 70, 80; Gamble Farm-crest 30; Co-op E-3; Ford, Ford-Ferguson.

**JOHN DEERE D**  
(Model Shown in Picture.)  
**MINNEAPOLIS MOLINE UTS**  
**CASE LA**  
**INTERNATIONAL W9, WD9**  
**COCKSHUTT 30**

### RUSH COUPON FOR SPECIAL OFFER!

Automatic Equip. Mfg. Co., Pender, Nebr. Dept. KF-23

Rush details on your "special offer." I farm...acres


and need cabs for...tractors.

Name .....

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



**VACCINATE WITH CONFIDENCE!**



SAVE YOUR LIVESTOCK  
SAVE MONEY

**USE PARKE-DAVIS BLACKLEG BACTERIN**

**ALUM TREATED (WHOLE CULTURE)**

Get the "jump" on Blackleg.

Vaccinate early with a single dose of Parke-Davis Blackleg Bacterin (alum treated). IT'S POTENT!

#### MALIGNANT EDEMA


When necessary to protect against both Blackleg and Malignant Edema use **PARKE-DAVIS CLOSTRIDIUM CHAUVEI-SEPTICUS BACTERIN...** double protection with a single dose.

**FREE!** Write for booklet on the control of Blackleg and Malignant Edema.

**PARKE, DAVIS & CO.**  
DETROIT 32, MICH.

DRUG STORES SELL PARKE-DAVIS PRODUCTS

**GOOD FENCES**  
*Helped Rebuild Run-Down Farm*



Alvin Block  
Birch Run, Mich.

### DOUBLES His Crop Yields!

"When we took over this 114-acre farm ten years ago," says Mr. Block, "none of the crop fields were fenced and very little livestock was raised. The land was over-cropped and yields were low. Corn averaged less than 40 bushels."

"But after fencing the farm, stocking it heavily and bringing legume pasture into the rotation, crop yields began to improve. Two seasons ago, corn averaged over 90 bushels per acre—and the farm now carries more than 30 head of dairy cattle. Good fences made this possible."

#### RED BRAND Fence LASTS!

"We had Red Brand fence on the old home farm and it sure held up. That's why I fenced this farm with Red Brand... I know it lasts!"

**KEYSTONE STEEL & WIRE CO., Peoria 7, Illinois**



**RED BRAND Fence**  
• RED TOP STEEL POSTS •

## Would Put U. S. on War Footing

(Continued from Page 7)

reimposition of his wartime controls: Price, wage, and manpower controls; allocation power for selected commodities; transportation controls; consumer rationing.

But it should be kept in mind that in previous messages President Truman already had asked Congress to give him authority to impose these controls—to halt inflation. Under threat of war, or in preparation for war, he can ask for them again—as a war measure, instead of just as a hedge against further inflation.

Congress is set to enact an enlarged Marshall Plan that will take in China, Greece, Turkey, as well as the Western European nations; carrying "military-type" aid; to the tune of 6 1/4 billion dollars. Other legislation for expenditures abroad are expected to bring the total of foreign aid to between 9 and 9 1/2 billion dollars for the coming fiscal year. Agreement on the conference report of the two houses is regarded as possible by next week, probable by April 15.

Meantime, Congress went right ahead with passage of the tax-reduction (individual income) bill intended to reduce individual income taxes by some \$4,570,000,000 for this calendar year. Reductions are retroactive to January 1, 1948.

The net effect for individual income taxpayers, as figured by the Senate Finance Committee, is this:

About 6 million persons in the lower income brackets who pay income taxes under existing law, will go off the rolls entirely. This is accomplished by increasing the personal and dependency exemptions from \$500 to \$600.

Persons with incomes of \$2,000 or less after deductions and exemptions will get a 12.6 per cent reduction in tax.

Persons with incomes from \$2,000 to about \$136,700 after deductions and exemptions, will get 12.6 per cent reduction on the first \$2,000 and 7.4 per cent reduction on the balance.

Persons with incomes in excess of about \$136,700 after exemptions and deductions, get 12.6 per cent reduction on the first \$2,000; 7.4 per cent reduction on the next \$134,700 and 5 per cent reduction on the balance above \$136,700. The foregoing percentages really apply only to the non-community property states (including Kansas, Missouri, Ohio), thru the provision by which husbands and wives are permitted to split their income (no matter by which earned) for Federal income tax purposes.

Other provisions of the bill allow \$600 additional exemption to every taxpayer over 65 years old; the same additional exemption for the blind. Example: A person over 65 years old gets \$1,200 exemption; if also blind, \$1,800.

Assertions from the Administration that it is not safe, in view of the "world situation" to reduce taxes this year, members of the Finance and Ways and Means Committees offered this in rebuttal:

"We can increase taxes when ever additional defense or other emergency needs make it necessary. And, the new rates will have the discrimination now existing against non-community property tax states removed, as well as some other discriminations. We think it well worth while to establish the more equitable base."

Senator Capper has announced that the Senate Committee on Agriculture will open hearings on the Aiken subcommittee long-range farm legislation April 12. Hearings are expected to last 2 or 3 weeks. The present bill, introduced for discussion purposes, does not take in all the recommendations in the Aiken subcommittee report, but covers considerable territory.

On Parity: The bill provides alternatives for each basic commodity. Producers could elect one or the other but could not switch back and forth as conditions change. First, keep the present parity, computing the power of the commodity with the present base periods (1909-14) for most of them; or (2) by an income formula that would give agriculture the same portion of the national income it averaged during the preceding 10 years.

On price support, for basic commodities and wool, which is treated as a basic commodity for price-support pur-

poses: Support prices would range from 60 to 90 per cent of parity, to be determined for each commodity based on carryover plus estimated production as percentage of normal. Labor costs would not be included in either formula.

#### The formula:

Supply as percentage of normal	Support as percentage of parity
70 per cent or less.....	90 per cent
70 to 82 per cent.....	85 per cent
82 to 94 per cent.....	80 per cent
94 to 106 per cent.....	75 per cent
106 to 118 per cent.....	70 per cent
118 to 130 per cent.....	65 per cent
More than 130 per cent.....	60 per cent

For administering the farm program, there would be established a National Agricultural Council of 9 members, 4 named by the President with advice and consent of the Senate, representing producers, processors and distributors; 4 representing the Northeastern, Southern, Midwestern and Western regions, elected by the State Agricultural Councils of those regions; and one appointed by the Association of Land Grant Colleges. Function of the National Council would be advisory to the Secretary, the President and the Congress; it would make decisions on price-support levels; make recommendations to Congress on farm matters.

Also, there would be established in each state a State Agricultural Council, consisting of from 4 to 6 or 7 members elected by the county committee chairmen; the state secretary or director or commissioner of agriculture; director of experiment stations; director of extension. Ex-officio members may designate some one to represent them on the state commission.

This state council would administer farm programs in respective states, and Federal grants-in-aid; the Secretary of Agriculture would have power to withhold funds if he made a finding the state council was not administering the program properly.

Also, there would be established county agricultural associations, in each county, which would elect county committees of from 3 to 5 members to administer programs in their counties.

Administration of Farm Home Administration in each state would be turned over to the state councils by the Secretary of Agriculture as rapidly as he deemed it expedient.

One objective of the bill is to give as much actual control of state programs to the state councils as possible, and to have the national council considerably more independent of the Secretary of Agriculture than at present.

The bill also attempts to separate research and investigational work, educational and information and demonstration work, and "action programs."

It would establish a Bureau of Agricultural Conservation and Improvement to include the activities of the Soil Conservation Service and the "soil conservation"—benefit payments—programs now in charge of the Production and Marketing Administration.

Educational, informational and demonstration features of conservation would be carried thru a Division (not a Bureau) of Soil Conservation and Improvement in the Office of Experiment Stations and state extension services.

Also, there would be established an Economic and Social Science Administration to include the Bureau of Agricultural Economics, Office of Foreign Agricultural Relations, Research and Marketing (Hope-Flannagan) Act, and other research in economics and related social sciences.

The educational and research functions in all agencies would be under supervision of a Co-ordinator of Research and Education, to be appointed for a 7-year term and removable only by the President.

Chances of enacting a long-range farm program at this session still are regarded as somewhat less than 50-50, and disturbed world conditions are not likely to improve the prospects. Support prices will be continued, however, tho perhaps with more elastic price supports for the "Steagall" as distinguished from the basic commodities.

Prices (aside from support) will depend largely on (1) weather at home and abroad, (2) Marshall program, (3) and war preparedness program.

## Remarkable Results

### Raising Baby Chicks

"Gentlemen: I have been using Walko Tablets for 35 years with splendid results. I would not think of trying to raise Baby Chicks without them. I also use them for my grown birds with the same satisfaction." Mrs. C. M. Bradshaw, Diagonal, 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, \$1.00, \$2.50 and \$4.00.

Walker Remedy Company  
Dept. 20, Waterloo, Iowa

## TRUCK BODIES

Specially Built for Farm Work

### GRAIN • LIVESTOCK COMBINATION

HYDRAULIC UNDERBODY HOISTS

Call — Write — Wire

### KEYSTONE

TRAILER & EQUIPMENT CO., Inc.

In Kansas City, Mo. In Wichita  
1501 Guinotte 2717 No. Broadway  
Phone Victor 4404 Phone 4-4617

**Buy Direct From Factory and Save**



After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has I.H.C. Leaseder guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

**SPECIFICATIONS**  
Width of Cut—36 in. Bearings—Standard Ball.  
Power—1 1/2 H.P. Air-Cooled Motor.  
Frame—Fabricated Electric Welded Steel.  
Differential—Auto Type Drives From Both Wheels.  
Drive—Standard Auto V-Belts. Gears—Machine Cut.  
Tires—400x8 Pneumatic. Self Propelled.

Foushee & Heckendorn, Cedar Point, Kan.

When Writing Advertisers  
Mention Kansas Farmer

**RED AND WHITE TOP SILO**



**AND WE SHALL HAVE SNOW**

Weather is no hazard when your "Red & White Top" silo is full of nutritious silage. Your critters will have the best that man and nature can produce plus the easiest way to feed.

CLIP THIS COUPON FOR FREE LITERATURE

PLEASE SEND LITERATURE ON—  
SILO ☐ BLIZZARD ENSILAGE CUTTER ☐ GRAIN BINS ☐ WATER TANK ☐ POULTRY HOUSE ☐ DAIRY BARN ☐

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_  
STATE \_\_\_\_\_

**DOBSON**  
MANUFACTURING CO., INC.  
PLANTS AT WICHITA AND CONROBERT, KAN.  
1463 BARWISER WICHITA 2, KANSAS



## GROW MORE DOLLARS

## WITH WHITE CORN

**\$ Extra profits per bushel.  
\$ More dollars in the bank.  
See your White Seed Corn  
dealer right now! Don't Delay!**

## OTTAWA POST HOLE DIGGER

**There is  
No Other  
Like It!**



Here's the tractor digger you have been waiting for. Quickly hitched to most any farm tractor with power take-off. Fastest power auger return—pull cord control. Hi-speed two-flight auger—leaves hole clean. Castor wheels permit fast and accurate settings. Strictly a one-man digger. All controls from driver's seat. Short-cut to labor problems where holes are needed. Get up-to-the-minute facts by sending for descriptive matter and low factory-to-user prices. Serving farmers for 44 years.

**Write Today**  
OTTAWA MFG. CO., 6-811 Elm St., Ottawa, Kan.

## TONGUE-LOCK DIAMOND TOP

## Concrete Stave Silos

Longest possible service with the least possible worry and trouble are the big features you will enjoy in your McPHERSON TONGUE-LOCK DIAMOND TOP CONCRETE STAVE SILO. You also have our 36 years of experience to assure you of a better silo.

Contract now for a McPHERSON silo for future delivery.  
**McPHERSON CONCRETE PRODUCTS CO.**  
904-1126 W. Euclid St.  
McPHERSON, KANSAS

**IF YOU DO NOT HAVE OUR NEW  
CATALOG No. 85  
WRITE FOR IT NOW**

**FRED MUELLER, Inc.**  
S. MUELLER BUILDING  
Denver 2, Colorado  
SADDLES, STOCKMEN'S SUPPLIES



**also**  
**GRAIN BLOWERS  
TRUCK AND  
STATIONARY  
MODELS**  
Write today for  
Particulars.

**LINK MANUFACTURING CO. FARGO, N.D.**



## USE AEROVENT FANS

**VENTILATE HAY AND GRAIN**  
Reduce loss from weather—fire—mold.  
Green high protein hay increases milk  
production. makes last gains.

**EASILY  
INSTALLED**

Wayne D. Shier, R. No. 2, Gypsum, Kan.  
From our big blueprint.  
Drawn by us for you.

**THE KoolHay Way**

## Place Orders for Baby Chicks Now!

See the Hatchery ads in the  
Classified Department.

## WANTED

**Old Live Horses  
and Dry Bones**

We Pay More for Them  
Than Anyone Else  
Delivered Our Plant

**HILL PACKING CO.**

Topeka, Kan.

Tel. 8524

## The Editor's Notebook

By **RAYMOND H. GILKESON**

**Y**OU will be interested in reading, "What Happened to Sumatra," in this issue of Kansas Farmer. It is written by my friend, Walter N. Bangham, world traveler, scientist, and editor of "La Hacienda" which is an agricultural magazine printed in Spanish, and read by our neighbors in South America, Central America and Mexico. It also is translated into Portuguese in the magazine called "A Fazenda."

Visiting with Editor Bangham is next thing to taking a trip around the world. My most recent meeting with him was on a dairy tour of Illinois and Wisconsin last fall. We had a cabin together one night on one of Wisconsin's famous lakes. I was so interested in his travel experiences—whacking his way thru jungles included—and he was so generous with his stories, we didn't get much use of our beds.

At that time he said he had a business trip to Sumatra coming up. I asked him to send Kansas Farmer some notes about his trip, since I knew many of our readers would be interested in what has happened over there. This article, "What Happened to Sumatra," is the result.

In one of his letters Editor Bangham said: "In Sumatra we found that much of the equipment of the estates had been carried away or destroyed. But the majority of the better planted areas of rubber were still intact and little damaged. Many estates have cleaned up their rubber areas and are now in active production."

"We had a good opportunity to see the value placed on dollars in this region. The official exchange rate for dollars was \$2.66. On the street the price of a dollar varied from \$9 to \$17 during the month we were in Sumatra. Everyone wants to get hold of dollars to buy automobiles, trucks and field equipment. As soon as rubber and palm-oil begin to move freely to the United States this situation should be improved."

"The natives were extremely glad to have their jobs with the rubber plantations restored. In the past they have tried to make out on small subsistence farms, but have frequently lost their crops to bands of wild pigs, or to marauders from the republican forces. Health has suffered considerably thru lack of the former hospital facilities, and during the Japanese period a large per cent of younger men died on forced-labor projects. From 40 to 60 per cent of former numbers of laborers are now available to the plantations. We will probably see production beginning to increase from this area, but there still are a lot of political problems to be solved."

In one of his letters, Editor Bangham asked for information on farming in dry areas for his readers in Argentina. I promptly got in touch with Dean R. I. Throckmorton, of Kansas State College, L. C. Aicher, at the Hays Experiment Station, L. M. Sloan, at the Garden City Experiment Station, E. H. Coles, at the Colby Experiment Station, D. A. Savage, of the U. S. Southern Great Plains Field Station in Oklahoma, and Max C. Grandy, of the Colorado Agricultural College, at Fort Collins. These gentlemen were prompt in holding up their end of the Good Neighbor policy, and Editor Bangham thanks them most sincerely. So do I. Information these authorities made available will be put to good use down south.

How well these gentlemen responded can be told in a line from Editor Bangham: "When I asked you for some information about dry-land farming, I had no idea of the quantity of information which had been published on this subject. We have been inundated by a flood of bulletins from all parts of the United States. I do sincerely appreciate your most generous assistance, and I am sure I can thank you in the name of the subscribers in Argentina."

An interesting little sidelight about that dairy trip thru Illinois and Wisconsin happened at a Wisconsin dinner given the editors—we were on tour with the American Agricultural Editors' Association. Well, at the dinner the local

mayor and other dignitaries welcomed us. Just for fun, Editor Bangham responded for the editors in Spanish, then in Portuguese. Also, Norman Reber, associate editor of Pennsylvania Farmer (a Capper Publication), responded in Pennsylvania Dutch.

The other day I had dinner in Topeka with Sr. Eduardo Descalzo, assistant chief in the Argentina Bureau of Agricultural Economics, Buenos Aires. He is studying American statistical methods for a time under direction of H. L. Collins, federal-state statistician located in Topeka.

Our Latin-American visitor says his country, Argentina, is a great farming empire which needs to become more industrialized. He stated they have so much land down there, they grow crops on a field once and let it go back to native grass, moving the potatoes, corn, flax and wheat on to other land. Many of the renters' buildings are moved from one location to another.

As you already know, the Argentine government buys wheat from the farmers at a fixed price, then sells it at a higher price to other countries, making a profit for government use.

Mr. Descalzo believes the use of vaccine is curbing the problem of foot-and-mouth disease in his country. Meat from Argentina is exported to Europe.

Argentina needs more people, according to Descalzo. He reports a population of 16 million when he believes the country could support 50 million.

Dairymen in Allen county are having a lot of fun these days with County Agent Allan Goodbary. It seems that Allan, who has a small but excellent herd of Jersey cows, went into partnership on a good bull with Northcott Aiken, one of his farmer friends. The bull has been used in the 2 herds for a year now with the following results: Mr. Aiken has 12 heifers out of 14 calves, while Mr. Goodbary has one heifer out of 11 calves.

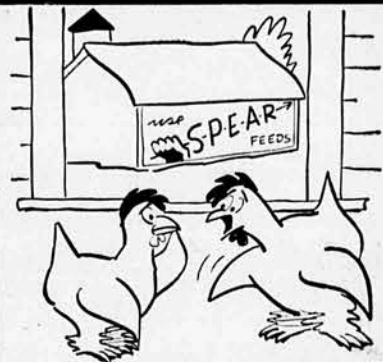
Kenneth Benedict, of Miami county, has a sure method of predicting the weather. "You can figure that the worst blizzard of the year," he says, "will be just about 113 days from the time your sows are bred in the fall."

Along the soil-improvement line, says Bernard R. Jacobson, Russell county agent, 17 farmers in this county have purchased 3,000 pounds of Madrid sweet clover for seeding this spring, as against 10 acres in 1947.

## Wax the Tray

To prevent ice-cube trays from sticking in the tray compartment of the refrigerator, I put a coating of floor wax on the outside of the trays.—A. L.

## SPEAR-TOON



"First, you find yourself a nest—then you wiggle around to get comfortable and then you lay—or else."

## FEED GRANULES—NOT MASH

Are you still feeding Mash? Are you still wearing buttoned shoes, too? Don't be old fashioned! . . . use **SPEAR CHICK GRANULES**. They're bite size. Chicks eat them sooner than mash. A complete ration with each bite. Granules are palatable; your chicks will love them. And there's a gift tumbler for your table in every 100-lb. bag.

Write for **FREE** booklet, "How to Raise Profitable Baby Chicks," and name of your **SPEAR** Dealer, to

**SPEAR MILLS, Inc.** DEPT. K  
KANSAS CITY 6, MO.

## CHOLERA Alert!



Will cholera take YOUR hog profits this year? Play safe.  
Have pigs

## VACCINATED

before killing outbreaks begin. Call your

## VETERINARIAN

When he vaccinates, his skill and experience can add much to the safety of your herd. Call him. Play safe.

Associated Serum Producers, Inc.

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

# STOP SCOOPING!

## Dump Your Load

Now **AMAZING LOW COST**

### OMAHA STANDARD

**BODY and HOIST COMBINATION**

FOR OVER 20 YEARS THE TRUCKER'S STANDARD

**SOLD DIRECT!**

## FACTORY-TO-YOU

**AT BIG SAVINGS!**

**OMAHA STANDARD**  
13 1/2 Foot FOLD-DOWN BODY  
**\$36070**  
Tax Paid Mounted at Factory

**OMAHA STANDARD**  
EQUIPPED WITH UNDERBODY HOIST  
**\$68648**  
Tax Paid Mounted at Factory

**FREE BODY and HOIST FOLDER**  
Write today for free folder. Tells you how to make money with an Omaha Standard Body and Omaha Standard Under-Body Hoist.

**Don't Be Confused . . . There's Only One Omaha Standard.**

13 1/2 foot FOLD-DOWN combination livestock and grain body. "Fresh off the assembly line" now sold at low **FACTORY-TO-YOU** price. Built to take more road and load punishment. Super-strong, flexible hard wood body. Hickory Stakes. Oak slats. Edge grain floor. Weather proof Enamel Finish. Greatest body Value in America.

**LOW COST BODY and HOIST COMBINATION**  
Special combination offer. Equip your new body with Omaha Standard underbody hoist. Handle more pay loads faster. Save time, labor. Dumps any load you can scoop! Dumps any body. Big 7 inch hydraulic cylinder. Worlds of power. Double arm construction. Controls in cab.

**OMAHA STANDARD**  
FACTORY: 2411 West Broadway, COUNCIL BLUFFS, IOWA  
FACTORY BRANCHES At Stockyards: DENVER — OMAHA — KANSAS CITY — WICHITA — EAST ST. LOUIS.

1701 Wyoming St. 21st St. & Topeka  
Kansas City, Mo. Wichita, Kan.



# Classified Advertising Department

## RUPF'S Dependable Superior CHICKS

Have proven their dependability as egg producers for 44 consecutive years. What they have done for me, they will for you, too. Why not send a postal for free literature and prices?  
Mrs. Carrie Rupf Poultry Farms, Box 1504, Ottawa, Kansas

### ● BABY CHICKS

#### MODEL CHICKS

Started **WH. LEGHORN** Pullets  
4 Wk. \$29.90 | 6 Wk. \$39.90  
Per 100 F.O.B. | Per 100 F.O.B.

**AAA Baby Chicks** POST PAID  
Grade St. Run Pullets Cox  
Wh. Legs. \$10.90 \$18.90 \$39.90  
Austra W. \$10.90 \$14.90 \$9.90  
Wh. Rocks \$10.90 \$14.90 \$9.90  
Buff Orp.

U. S. Approved—Pulorum Controlled  
100% Live Arrival—Surplus Cockerels \$2.90

Alexander's Model Hatchery 100 Creighton, Mo.

## WHITE ROCKS

AS HATCHED \$10.90 -- PULLETS \$17.90  
White or Brown Leghorns \$10.90  
Barred Rocks-Wyandottes-Reds \$10.90  
Buff Minorcas - Austra-Whites \$10.90

Sired by cockerels of R. O. P. Breeding—The Powerhouse for winter eggs and greater profits. Write for free catalog, or order direct from this ad.

SUNFLOWER HATCHERY, Dept. KF Fort Scott, Kan.

### WHITE LEGHORNS

UNSEXED \$10.90 -- PULLETS \$18.90  
ROCKS -- REDS \$10.90  
AUSTA WHITES \$10.90  
WYANDOTTES \$10.90  
MINORCAS \$10.90  
ASSORTED \$8.95 per 100  
Free Catalog Explaining 2 week replacement guarantee.  
U.S. APPROVED U.S. PULORUM Controlled  
R. O. P. Foundation Breeding  
Schlichtman Hatchery, Appleton City, Mo.

### U. S. APPROVED CHICKS

Pulorum Controlled  
SEXED PULLETS \$10.90 COCKERELS \$3.95  
As Low As... As Low As...  
Write for FREE CATALOG Listing All Breeds  
The WHITE CHICKERY, SCHELL CITY, MISSOURI

AAA Chicks, bloodtested, sensational values, 100% alive, FOB. White, Brown, Buff Leghorns, unsexed \$7.95. Pullets, \$14.55. Austra-Whites, Rocks, Red, Wyandottes, New Hampshire, Orpingtons, Black Australorps, unsexed \$7.95. Pullets \$12.45. Cockerels, \$8.45. Assorted Heavies, \$6.85. Surplus pullets, \$11.45. Mixed Assorted \$5.95. Leftovers, \$4.95. Barnyard Special, \$3.95. Odds-ends, \$2.95. No culls, no cripples. Order direct. No catalog. Oklahoma Chicks, Box 1625, Tulsa, Okla.

Chicks That Live, Lay and Pay, 100% Pulorum Tested. Customers report raising 97% to 99% of these strong, healthy chicks. Reds, Barred and White Rocks, New Hampshire, Orpingtons, Red-Rocks, Austra-Whites, Leg-Rocks and Leghorns—AAA Grade \$10.95 per 100. Assorted \$9.95. Heavy cockerels \$9.95. Pullets \$14.50. Mixed cockerels \$5.95. Leftovers \$4.95. Leghorn pullets 2-3 weeks old \$24.95 per 100. Guaranteed 100% alive. Free catalog. Also turkey poults. Pleasant View Hatchery, Gerald, Mo.

Bush's Select Bloodtested Barred, White Rocks, Reds, Wyandottes, New Hampshire, Orpingtons, \$10.40. Pullets, \$13.80. Cockerels, \$10.40. Big Type Leghorns, Austra Whites, \$9.70. Pullets, \$16.70. Started Pullets, \$39.95. Also Anconas, Minorcas, Heavy Assorted, \$8.35. Mixed Assorted, \$7.90. Leftovers, \$6.90. Barnyard Special \$5.90. Odds and ends, \$4.95. Surplus chicks, \$4.45. Catalog. Bush Hatchery, Clinton, Mo.

Superfine Chicks — Fifteen breeds, including White Giants, Black Giants, Buff Minorcas, Silver Laced Wyandottes, Anconas, Black Australorps, Buff Orpingtons, Buff, Barred and White Rocks, New Hampshire and Rhode Island Reds and Leghorns. Free literature. The Thomas Farms Hatchery, Pleasanton, Kan.

25,000 Chicks available weekly for raising on shares. Liberal proposition so you get your chicks when wanted. Settle in 6 months with grown chickens. Many varieties available. Cockerels for broilers. Kansas U.S. Approved-Tested. Write today for information about share chicks. Berry's Chicks, Box 3316, Atchison, Kan.

Improved, Bloodtested White, Barred Rocks, Reds, Wyandottes, \$7.95. Pullets, \$12.95. Cockerels, \$8.95. Austra-Whites, White Leghorns, \$7.95. Pullets \$12.95. Started \$39.95. Assorted Heavies, \$7.45. Mixed Assorted, \$6.95. Leftovers, \$5.95. Surplus Cockerels, \$4.95. Barnyard Special, \$3.95. Odds-ends, \$2.95. 100% FOB. No catalog. Order direct. Thompson Chicks, Springfield, Mo.

Berry's 4-Week Chicks cheaper than you can afford to raise them. Out of danger, healthy, strong. Saves you worry, work, money. Large sanitary, air-conditioned, sterilized plant. Austra-Whites and Special Bargains. Kansas U. S. Approved-Tested. Year around production. Low prices. Profit-sharing plan. Poultry book free. Berry's Chicks, Box 3313, Atchison, Kan.

Coombs Leghorn Chicks. 250-322 egg sired, 28 consecutive years. Austra-White chicks from outstanding ROP strains. Kansas State College strain White Rock chicks, 200-275 egg pedigree sired, 100% fast feathering. Hy-Line chicks, new kind bred like hybrid corn. Free circular. Write: Coombs & Son, Box 6, Sedgwick, Kan.

Kansas Pulorum Tested AAA Grade Chicks. Early order discount. White and Barred Rocks, Buff Orpingtons, Rhode Island Reds, Austra-Whites, New Hampshire Reds, Black Australorps, White Leghorns, Buff Minorcas, Light Brahmas. Prepaid in 100 lots. Moline Hatchery, Moline, Kan.

Baby Chicks—Sturdy quality, 25 purebreds, 6 cross-breeds, bloodtested, licensed inspected, low prices. Rush postal; colored book free. Albert Frehe, Route 12, Salina, Kan.

Tudor's 41 Years Experience brings you quality chicks. Kansas approved. Pulorum tested. Bred for production. Tudor's Hatchery, 2220 Central, Topeka, Kan.

Hawk's Chicks hatching now and each week. Discounts on orders placed in advance. Hawk Hatcheries, Atchison, Kan.

Four-week Chicks cheaper than you can start them yours. Also day-old chicks. Robidoux Hatchery, Zone 62, St. Joseph, Mo.

### KANSAS FARMER Classified Advertising

#### WORD RATE

10c per word each issue.  
Minimum—12 words.  
Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis

#### DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/4	\$1.90	2	\$19.60
1/2	9.80	3	29.40

Minimum—1/4-inch.

Cuts and borders are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads. Write for special display requirements.

### ● BABY CHICKS

70,000 Chicks Weekly. Sexed or unsexed. Pure bred and hybrid. Backed by 45 years breeding for egg production, livability, size. Pulorum tested 20 years. Circular free. Steinhoff & Son, Osage City, Kan.

Extra Fancy Light Brahma Chicks. Blood tested 18c. Also fancy Barred Rocks. Burke's Sanitary Hatchery, Hutchinson, Kansas.

### ● DUCKS AND GESE

Large White Embden Geese Eggs 50c each. geese \$5.00, gander \$7.00, pair \$10.00. White Pekin duck eggs 10—\$1.00, drakes \$1.50. Eggs prepaid. Sadie Mella, Bucklin, Kan.

### ● LEGHORNS

Free Chick Guide—Explains 25-year breeding program producing 300 to 351 egg sired large type White Leghorns. Breeding that can give you two to five dozen more eggs per bird. Also leading heavy breeds. Fully guaranteed. Prompt shipment. Write for free literature and low prices. Chas. M. Estes, Dept. KF, Springfield, Mo.

Helm's Imported Danish Leghorns. Holder 3 world records. Bigger bodied. Larger egg. Leading breeds. ROP sired. Illinois Hatchery, Metropolis, Ill.

### ● TURKEYS



## SEXED TURKEY POULTS

PRICED AS LOW AS 60c EACH  
New Way to Extra Profits—Raise the sex you want! Either Toms or Hens — Livability Guaranteed. Big 20 Page Catalog Free.  
Write Today

Zeeland Hatchery, Inc., Box S-31 Zeeland, Mich.

Poults Available—Broadbreasted Bronze, White, Small Whites, Bourbon Reds, Straight Run or Sexed Poults. 40,000 weekly. Can give prompt service on orders, large or small. Write for "Turkey Raisers Guide" and price list. Zeeland Hatchery, (Michigan's largest) Zeeland, Mich.

Broad Breasted Bronze Poults. Send for actual photos of breeding stock. Stants Turkey Farm, Abilene, Kan.

### ● SEED

Lot Kansas Alfalfa \$13.80 bu.  
Atlas Sorgo . . . . 10.50 cwt.  
Sudan Grass . . . . 10.50 cwt.  
Sweet Clover . . . . 9.60 bu.  
Brome Grass . . . . 4.50 bu.  
Certified  
Clinton Oats . . . 2.50 bu.  
THE SALINA SEED CO.  
P. O. Box 877, Salina, Kan.

### Hardy Recleaned Tested Kansas Alfalfa Seed \$14.40

Sweet Clover \$8.70. Certified Buffalo Alfalfa \$66.00, all per bushel.  
Kansas Brome Grass \$18.90 cwt. Certified Lincoln Brome \$32.00 cwt. track Concordia, Kansas, bags free, carries return guarantee. Samples, folder, prices other seeds on request.  
JACK BOWMAN, Box 615, Concordia, Kan.

Hardy dryland alfalfa Grimm, Cossack, Dak. 12 and Common, (Nebraska and Colorado grown). Sweet Clover (White and Yellow Blossom). Lincoln Brome, Crested Wheat, Western Wheat, Slender Wheat, Gramma, Buffalo and Sand Drop Grass. Eagle Hybrid Corn 90 to 120 day. Seed Barley, Oats and Spring Wheat. Get our prices before you buy. All seed guaranteed satisfactory or money refunded or return of seed. Write for prices and samples. Arrow Seed and Supply Company, Broken Bow, Nebr.

Seed Sweet Potatoes. Yellow varieties, per bushel \$2.25; Nancy Hall, Nancy Gold, per bu. \$2.50; Porto Rico, Red Bermuda, per bu. \$3.25; Maryland Gold, per bu. \$2.75. Send for seed catalog. Hayes Seed House, Topeka, Kan.

Achenbach Brome Grass. Progeny eligible for inspection for certification. Germination 95%. Chess count 473. Recleaned. 20 cents pound. Earl Collins, Florence, Kan.

Amidax Axtell Sorgo Seed, Germination 83%. Purity 99.95. Field inspected. One dark seeded sorghum seed reason for not certifying, 10c lb. Henry Junod, Onaga, Kan.

Atlas Sorgo grown from Certified Seed. Recleaned and tested. Robbins Ranch, Belvidere, Kansas.

### ● 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.

# For Choice FLAT Seed

of hybrids with PROVED records of outstanding performance in northern and eastern Kansas—

See your CORNHUSKER dealer at once, while he still has supplies of FLAT grades of:

## CORNHUSKER 30 CORNHUSKER 148

CORNHUSKER 30 is a big, rugged full-season hybrid—an enormous yielder when weather conditions (just when the rains occur, etc.) favor a corn of this maturity. CORNHUSKER 148 is a splendid hybrid of medium maturity—the maturity that weather has favored the last couple of years.

For the performance record of 148 in Official Kansas Corn Yield Tests see Kansas Exp. Sta. Bulletin No. 336 published in Febr., 1948. It has been entered for 2 years in Districts 1 (Northeastern Kansas) and 4 (Northcentral Kansas), and one year in District 2 (East-Central Kansas).

Its 2-year record in Dist. 1 is first among the 40 hybrids entered, with yield superiority ranging from 1.4 bu. to 13.9 bu. per acre over the other hybrids.

Planting both these numbers will split your risks, by giving you both medium and full-season maturities. It will pay you well to have these great hybrids on YOUR farm in 1948! Don't delay—good FLAT seed of the best hybrids will be scarce by planting time.

If you don't know your nearest Cornhusker dealer, send postcard to us.

## CORNHUSKER HYBRID CO. Fremont, Nebraska

### ● PLANTS AND NURSERY STOCK

Strawberry Plants — (Certified) The best new land grown. Blakemore, Aroma, Dunlap, Klondike, Missionary and Klondike 100—\$1.00; 500—\$4.50; 1,000—\$8.50. New Robinson and Premier \$1.25 per 100. Everbearing strawberries, large thrifty plants (will bear this year), Mastodon and Gem 25—\$1.00; 100—\$2.50. Genuine Streamliner 25—\$1.50; 100—\$4.50. Thornless Boysenberries 25—\$2.00; 100—\$7.50; 2-year bearing size 100—\$2.00. Youngberries 25—\$1.00; 100—\$3.75. Lawton Blackberries (best canner) 25—\$1.00; 100—\$3.75. 2-year Concord or Freedom grapes 10—\$2.00; 100—\$15.00. Special offer 25 Asparagus, 6 Rhubarb 100. Blakemore strawberry plants \$2.00. Everything postpaid. Finest plants, labeled true to name, full count and satisfaction guaranteed. Catalog free. Ideal Fruit Farm, Stillwell, Okla.

Vegetable Plants—Large, stalky, well rooted, hand selected, roots mossed. Cabbage—Jersey Wakefield, Charleston Wakefield, Flat Dutch, Copenhagen Market, 200—75c; 300—\$1.00; 500—\$1.25. 1,000—\$2.25. Onions—Crystal Wax, Yellow Bermuda, Sweet Spanish, 500—75c; 500—\$1.00; 1,000—\$1.75. 2,000—\$3.00. Tomatoes—Earlana, John Baer, Marglobe, Bonny Best, Rutgers, Stone, 200—75c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Pepper—California Wonder, Chinese Giant, 100—60c; 200—\$1.00; 500—\$2.00; 1,000—\$3.50. All postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Texas.

Cabbage-Onion-Tomato-Pepper Plants. Hardy, field-grown, hand-selected, full count, expertly packed. Cabbage, ready now, all popular varieties: 100—50c; 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Onion plants ready now. White Bermuda only: 300—75c; 500—\$1.25; 1,000—\$2.00; 5,000—\$8.75. Tomato plants ready April 1st. Marglobe, Rutgers, June Pink, Prichard, Stone, Gulf State: 100—75c; 300—\$1.25; 500—\$1.75; 1,000—\$3.00; 5,000—\$12.50. Pepper April 1st. Sweet World Beater, Calwonder, Hot, Cayenne, Tobacco: 75c per hundred. All prices postpaid. Prompt shipment. Satisfaction guaranteed. Harper Seed Company, Navasota, Texas.

Old Favorites and New Varieties, fresh dug, double state inspected. Blakemore, Klondike, Thompson, Dunlap, Aroma, Gandy, St. Louis, Missionary 100—\$1.00; 500—\$4.50; 1,000—\$8.00. Catskill, Premier, Dorsett, Fairfax, 100—\$1.25; 500—\$5.50; 1,000—\$9.00. Progressive, Gem, Mastodon, Lucky Strike, everbearers, 100—\$1.75; 500—\$8.00; 1,000—\$14.50; 1,168 Minnesota Everbearer, 50—\$1.50; 100—\$2.50; 500—\$12.00; 1,000—\$20.00. New Jumbo Streamliner Everbearer 100—\$5.00. Prepaid. Hilltop Farms, Morrison, Ill.

Strawberry Plants — Hardy northern grown, double inspected Dunlap, Aroma, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Bellmar, Giant Robinson, 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem or Minnesota 1168 everbearer, 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Iowa.

Sweet Potato Plants, Golden Yellow Nancy Halls, Pink Skinned Portoricans, 300—\$1.00; 500—\$1.50; 1,000—\$2.50. Wholesale Plant Co., Gleason, Tenn.

### ● PLANTS AND NURSERY STOCK

Onion Plants—Choice select Yellow or White Sweet Spanish, Yellow or White Bermudas. Satisfaction guaranteed or money back. Shipping daily until June. 300—\$1.15; 500—\$1.50; 1,000—\$2.50; 3,000—\$4.25; 6,000—\$7.50 prepaid. Send check with order. Give both mail and express address. Austin Plant Company, Box 513, Austin, Texas.

Send No Money—Pay on Arrival—Certified plants. Frostproof Cabbage, Onion, Tomatoes, Pepper, Broccoli, Brussels Sprouts, Cauliflower, 200—\$1.00; 500—\$1.50; 700—\$2.00; 1,000—\$2.50. Leading varieties, mixed anyway wanted, moss packed. Texas Plant Farms, Jacksonville, Texas.

Strawberry Plants Certified—Blakemore, Aroma, Dunlap, 100—\$1.00; 200—\$1.75; 500—\$3.50. Everbearing 100—\$1.75. Boysenberry, Dewberry, Raspberry, Blackberry plants 4 cents each. Everything postpaid. Cawthon Plant Co., Mountaintop, Ark.

Strawberry and Rhubarb Plants—Blakemore, Dunlap 100—\$1.25; Dorsett, Premier, Catskill, 100—\$1.50. Rhubarb 1 to 1 1/2 in. 3 plants 60c, 6 100c. All prices postpaid. Cavaness Nursery, Jonesboro, Ill.

Sweet Potato Plants, Improved heavy-producing Nancy Halls, Portoricans. Carefully packed. Quick shipments. Guaranteed. Postpaid, 200—\$1.00; 500—\$1.75; 1,000—\$3.00. Pete Taylor, Gleason, Tenn.

Peach Trees—Mayflower, Sungold, Champion, Golden Elberta, Indian Cling, 2 to 3 ft., 10 for \$2.50 postpaid. 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. Aircraft Deluxe enlargements three 5x7 only 50c. Four 8x10 enlargements from negatives \$1.00. Your favorite photo copied and 10 printed made 65c.

SUMMERS STUDIO, Unionville, Mo.

Butone Jumbo Prints are different. Any 8-exposure roll developed and one Butone Jumbo print each, only 30c; additional Jumbo prints, 4c each. Butone Bargain: Any 8-exposure roll developed and 2 regular size prints, each 25c; additional regular size prints only 3c each. All work guaranteed. Butone Photo Co., Box 1777, Wichita, Kan.

Prompt Service. Two prints ("Never Fade" Deckledge Velox) of each negative on roll 25c. Highest quality. Reprints special offer. Write Welch Photo Company, 2418-32 Penn. Minneapolis, Minnesota.

16 Deckledge Prints from any standard 8 exposure roll 25c. Quick service. Professional work. Skrudland, Lake Geneva, Wisc.

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



## FLOWERS AND BULBS

## ROSES

TWO YEAR OLD FIELD GROWN  
EVERBLOOMING VARIETIES...  
OVER FIFTY VARIETIES  
FREE CATALOG... ROSES IN  
COLOR... ORDER NOW  
TV-TEX ROSE NURSERIES  
BOX 532  
TYLER, TEXAS

Giant Tricolor Pansies, large budded plants,  
\$1.00; 100—\$2.50; Rustproof Snapdragon  
moss wintered over, same price, 50 each \$2.50.  
Carnation Pinks, Sweet William, Shasta Daisy,  
12 each \$1.00. Prepaid. Duphorne Brothers,  
Harper, Kan.

Gladolus: 50 large bulbs, 10 each of Barcarole  
(orange), Berty Snow (lavender), Harman  
(rose), King Bee (scarlet), Margaret Beaton  
(white, red blotch), \$2.00. Field and storage in-  
spected. Prepaid. Send for complete list. Hill-  
top Farms, Morrison, Ill.

16 "Newer" "Early" Prize-winning Chrysanthem-  
ums, 20 Divaricata, 40 violets, 20 "choice"  
perennials. Each lot \$1.00. Hardy Chrysanthem-  
um seed, 25¢ packet. N. Freudenburg, 706 So.  
8th, Norfolk, Nebr.

Gladolus—Large, choice bulbs. New Giant  
flowering. Exhibition and ruffled varieties. Col-  
lection—20 varieties \$5.00 per 100, postpaid.  
Money-back guarantee. Order now. Free catalog.  
Poley Gardens, Freeport, Ill.

Rose Bushes—Lowest price prepaid. Bargain  
offers. Hardy everblooming varieties. Free de-  
scriptive folder. Hudnall Rose Nursery, Box 702,  
Tyler, Texas.

20 Different Hardy Perennial Flower Plants.  
\$1.00 postpaid. Mrs. John Bierman, Battle  
Creek, Nebr.

## FARM EQUIPMENT

## USED TRAILERS

Sacrifice sale of used and rebuilt livestock  
—grain and Van TRAILERS—buy at real  
deep cut prices. Here are a few samples:  
Livestock Trailer with 8.25 tires... \$ 550  
Grain Trailer, vacuum brakes... \$ 650  
Van Trailer, 10.00 tires, good cond... 1,375  
Now's the time to buy right—don't wait  
—they'll go fast. Call, wire or write for com-  
plete list today. Better yet, come to  
KEYSTONE TRAILER & EQUIPMENT CO.  
1501-B Guilford Ave., Kansas City, Mo.  
Telephone Victor 4404  
(In Wichita, 2717-B North Broadway,  
Telephone 4-4617.)

Combine Owners: We manufacture pressed steel  
V-pulleys 6 inches to 30 inches diameter, and  
furnish V-Belt Conversion Drives for these com-  
bines: International Self-Propelled 123 SP, 122;  
Case Combines A6, A, B, C, H, M, K, P; Holt-  
Caterpillar 34, 36; Platform Drive for John  
Deere 17, 5A; Engine Drive for M-M Jr., G2,  
G3; Platform Auger Drive G4; also Pickup and  
Auger Drive for New Holland Baler Field tested.  
Write for literature for your machine. Farrar  
Machine Shop, Norwich, Kan. Phone 100J.

Aluminum Grain Auger, light weight, low price,  
easy running, sturdily constructed. Fills and  
empties bins, trucks and cars faster than three  
men. Immediate shipment. \$127.50 and up. Get  
particulars. Link Mfg. Co., Fargo, N. D.

Spraying Units—Completely equipped for spray-  
ing weeds and livestock. Motor vehicle in-  
cluded. First class condition. Used. Heavy enough  
for extensive custom work. H. R. Hein, Linn,  
Kansas.

Farm Telephones. New model, handset wall tele-  
phones for rural lines—prompt delivery by  
parcel post. Write: Farm Telephone Dept. 443,  
Rogers Park Station, Chicago 26, Ill.

War Surplus Special: Big 50-lb. box popular size  
bolts, nuts, washers, screws, clamps, etc.  
\$6.85. War Surplus Co., Box 910, New Brun-  
swick, N. J.

Free—Big 1948 new and used tractor parts  
catalog. Satisfaction guaranteed. Write Ir-  
ving's Tractor Lug Company, Fargo, N. D.

## GRAIN BODY HOISTS

Famous Gar Wood underbody hoists, delivery  
today, for mounting on racks, grain bodies,  
platforms; reasonably priced. Call, write or wire  
Keystone Trailer and Equipment Co., Dept. S  
1501 Guilford Ave., Kansas City, Mo.

In Wichita, Kan., 2717 North Broadway  
Phone 4-4617

## ELECTRICAL EQUIPMENT

Electric Household Refrigerators  
Gas and Electric Kitchen Ranges  
Combination Ranges

Electric, or Bottle Gas with coal and wood  
All for immediate delivery. Limited  
supply. Write or visit  
MIDWEST APPLIANCE STORE  
608 Kansas Ave., Topeka, Kansas

32-Volt Motors immediate shipment 1/4, 1/2 and  
1 HP. Highline motors 1/2, 2 and 3 HP. 110-  
volt AC lighting plants and generators. Kato  
Engineering Company, Mankato, Minn.

## MACHINERY AND PARTS

## NEW AND USED TRACTOR PARTS

Write for big, free 1948 catalogue; tremendous  
savings. Satisfaction guaranteed.  
Central Tractor Wrecking Co., Des Moines 3, Ia.

Tandem Disks—Seven to 16 foot. Single Disks—  
10 to 24 foot. Write for prices. A. R. Sapp Co.,  
Julesburg, Colo., Manufacturers.

Avery Caterpillar-Holt Combine for sale. Wind-  
rower. H. M. Porth, Winfield, Kan.

## LIVESTOCK ITEMS

Make More Profits under average farm con-  
ditions. Raise Milking Shorthorns. For aver-  
age farmer Milking Shorthorns are unbeatable.  
Produce 4% milk. Have greater carcass value  
than other breeds. Second to none in producing  
milk and meat from home-grown roughage and  
grain from your farm! Free facts. Or subscribe  
to Milking Shorthorn Journal. Six months, 50¢;  
one year, \$1.00. American Milking Shorthorn  
Society, 809 W. Exchange Ave., U. S. Yards,  
Dept. KF-53, Chicago 9, Illinois.

"How to Break and Train Horses"—A book  
every farmer and horseman should have. It is  
free, no obligation. Simply address Beery School  
of Horsemanship, Dept. 434, Pleasant Hill, Ohio.

## PRODUCE WANTED

Ship your cream direct. Premium prices for  
premium grade. Satisfaction guaranteed on  
every shipment. Riverside Creamery, Kansas  
City, Mo.

We want broilers, springs. Coops loaned free.  
The Copes, Topeka.

## Kansas Poultry Improvement Association Hatcheries

## COLONIAL CHICKS

Live, Grow, Lay



Colonial gives you order prompt  
attention and efficient handling. For  
better service and prompt delivery,  
try COLONIAL! Guar-  
anteed, safe, 100% live-  
delivery—two weeks' liv-  
ability guarantee. All  
chicks U. S. Approved.

U. S. Pullorum Controlled Chicks  
for healthier chicks, lower death  
loss. Many report not a single chick  
lost! Leghorns, Rocks, Reds, Hamp-  
shires and Crossbreeds. FREE full-  
color catalog. Write TODAY!  
COLONIAL POULTRY FARMS  
Dept. K. Wichita, Kansas



## DeRusseau Chicks

U. S. Certified, Pullorum Passed  
Leghorns, with over 300 egg pedi-  
gree records; U. S. Approved, Pul-  
lorum Passed Heavy Breeds and  
Crosses. Fast feathering strain of  
White Rocks. Pullorum Infection  
reduced to Zero in all flocks—this  
means better livability. Our real  
breeding, plus our better livability,  
insures you greater success. Write  
for prices. Sexed or straight run.

DeRUSSEAU HATCHERY

Box 294A

Clyde, Kan.

## JOHNSON'S

Triple-Test

## CHICKS

Save Money! Leading  
varieties, U. S. Approved  
Pullorum tested heavy  
breeds, White Leghorns,  
Austra-Whites. Sexed or  
straight run. Constant  
flock improvement for  
more eggs and meat for  
31 years. Johnson's  
White Leghorn chicks are sired 100% by sons  
of R. O. P. males with records up to 350 eggs.  
Our Austra-Whites are also rich in pedigree  
blood.

Write today for catalog and price list.

JOHNSON'S HATCHERY  
218-A WEST 1ST. TOPEKA, KAN.Buy SHAW'S Extra  
Quality

"Heavy Egg Producer"

Baby Chicks—Backed by 26 years special mat-  
ing R.O.P. bloodlines—Featuring big English  
White Leghorns, White Rocks, Austra-Whites,  
N. H. Reds, U. S. Approved, Pullorum Tested.

SHAW HATCHERIES

429-31 S. Main, Ottawa, Kansas

ORDER EARLY! SAVE MONEY ON  
CHICKS—CAPONS

U. S. Approved. Pullorum Controlled.  
Leading purebreds including New Hamp-  
shires, Rapid Feathering White Rocks, Hy-  
brids in Austra-Whites, Legorcas, Leghires,  
Redrocks, Cornish, Hamp, Cockerels, pullets.  
Capons. Early order discount. Free catalog.

TINDELL'S HATCHERY

Box K. Burlingame, Kansas

## Mayfield's Chicks

Are chicks that live! U. S. Certified White  
Leghorns, U. S. Approved, Pullorum passed.  
Big, healthy New Hampshire, White  
Wyandottes that are all Rose Combs.  
Straight Run and Sexed.

MAYFIELD HATCHERY

513 East Seventh Holsington, Kansas

## Chicks and Poult

U. S. Approved. AAA Grades. Specializing in  
quality all-purpose farm flocks. You will need  
quality chicks this season.

SHAWNEE HATCHERY, Topeka, Kansas

## GREATER PROFITS

From our U. S. Approved, Pullorum Controlled  
Chicks. All leading breeds. \$10.00 per 100 up.  
Cockerels \$3.75 up. F.O.B.  
Yates Center Hatchery, Yates Center, Kansas

## Order O-K Quality Chicks

We specialize in Austra-White and New Hamp-  
shire Red chicks. Bred for high egg production.  
Straight run or sexed. Leading breeds.  
O-K Hatchery, 2009 N. Penn, Independence, Ks.

## WASHBURN CHICKS

U. S. Approved—Pullorum Controlled  
Popular breeds mated with R.O.P. and R.O.P.  
sired cockerels from strictly culled and blood  
tested flocks. Write for prices.  
WASHBURN HATCHERY, Paola, Kansas

## EDUCATIONAL

AUCTION SCHOOL Learn  
America's Leading Auctioneers Teach You. Stu-  
dents sell actual Sales. Largest school in world.  
14 years in Operation. Don't be misled. Term  
soon. Free catalog. Write  
REISCH AUCTION SCHOOL, Mason City, Iowa

Make Up to \$30-\$40 Week as a Trained Prac-  
tical Nurse! Learn quickly at home. Booklet  
free. Chicago School of Nursing, Dept. F-1,  
Chicago.

## FOR THE TABLE

Flavorful Heartsease or Smartweed Honey,  
15c a lb. in 60's. Benj. Nielsen, Aurora, Nebr.

## The Kansas Poultry Improvement Assn.

Manhattan, Kansas

U. S. APPROVED CHICKS

U. S. CERTIFIED CHICKS

U. S. R. O. P. CHICKS

cost less because of better performance

## BERRY'S AUSTRAL-WHITE HYBRID

ORIGINATORS—WORLD'S  
LARGEST PRODUCERS OF

EASY-TO-RAISE PROFIT SENSATION

DAY OLD or  
STARTED  
PULLETS  
COCKERELS  
LOW \$19.90  
AS 100  
CHKS



TOMORROW'S  
CHICKEN  
TODAY  
RUGGED  
AS A MULE  
1. Grow extra fast.  
2. Resist disease.  
3. Mature extra early.  
4. Extra thrifty.  
5. Turn feed into more  
meat and eggs.  
6. Live  
extra good.  
From 2 World Champion  
Laying Breeds—White Leg-  
horns & Black Australorps

All thru the high feed prices of 1946-1947,  
the demand for Berry's 4-Weeks-Old  
Austra-White Pullets has broken records!  
With so many thousands changing to this  
new-day chicken, it's just good business to  
see why! Amazing Feed Economizers—pro-  
duce more pounds of meat and lay more  
eggs for every sack of feed they eat!

BUCKETSFUL of EGGS YEAR  
ROUND  
Conception Abbey, Mo., writes: "2,000  
Berry's Austra-Whites did extra good.  
First egg 4 months. Are laying over 70%  
average." C. Clark, New York: "Pullets  
laid 75% last winter, dressed 5 1/2 to 6 lbs."  
W. Smith, Illinois: "We get BIG WHITE  
EGGS that bring PREMIUM prices."

BROILER RAISERS!  
Write for proof of money  
in Austra-White broilers  
even at today's feed prices.

FREE Write now for FREE BOOK  
giving full information. LOW  
FARM PRICES on 20 other hybrids and  
purebreds. Started or day-old. As hatched  
or sexed.



GEORGE BERRY (WRITE  
EITHER  
ADDRESS)  
3423 Berry Road  
ATCHISON, KANSAS



ERNEST BERRY  
3423 Berry Road  
NEWTON, KANSAS

Save Feed

ORDER STARTED CHICKS NOW  
Clip and Mail This Handy Order Blank

Name \_\_\_\_\_  
Address or Box No. \_\_\_\_\_ State \_\_\_\_\_  
City \_\_\_\_\_  
Express Office \_\_\_\_\_

I inclose \$ \_\_\_\_\_ deposit on my order for DeForest Blueblood  
Started Chicks as marked below. Prices F. O. B. hatchery.

Assorted Heavy Breeds: No Sex Guarantee  
\_\_\_\_\_ hundred 2 1/2 to 3 wk. old. .... at \$20.90 per 100  
\_\_\_\_\_ hundred 3 1/2 to 4 wk. old. .... at 24.90 per 100

Assorted All Breeds: No Sex Guarantee  
\_\_\_\_\_ hundred 2 1/2 to 3 wk. old. .... at \$17.90 per 100  
\_\_\_\_\_ hundred 3 1/2 to 4 wk. old. .... at 21.90 per 100

Terms on started chicks only: 10c per chick deposit with order. Balance  
two weeks before delivery date. No C. O. D. on started chicks. We guarantee  
100% live delivery subject to inspection. Be sure to name the express office.  
Started chicks must be shipped express collect.

## DAY OLD CHICKS

If you are not interested in started chicks, send this blank and check the  
breed of day-old chicks you want information on.

S. C. White Leghorns. .... ☐ White Plymouth Rocks. .... ☐  
New Hampshire. .... ☐ Austra-Whites. .... ☐  
Leg-Shire Hybrids. .... ☐ Black Australorps. .... ☐



DeFOREST  
Hatchery and Poultry Farm  
Dept. A-2  
Peabody, Kansas or  
Junction City, Kansas



## McLEOD'S NEW HAMPSHIRE

Are famed for Livability, Lay Ability and Rapid  
Growth. All flocks U. S. Approved, Pullorum  
Controlled. 8 popular \$12.95 per  
breeds as low as \$10.00  
The McLeod Hatchery, Box 21, Shawnee, Kan.

## Husky, Vigorous

U. S. Approved Chicks, from bloodtested flocks.  
White Rocks, White Leghorns, Austra-Whites  
and Reds. Write for catalog and price list.  
STERLING HEIGHTS HATCHERY, Iola, Kan.

## POULTRY—MISCELLANEOUS

Wonderful POULTRY BOOK  
FREE LOW PRICES 45 varieties SEX-LINKED and  
PUREBRED: BARY CHICKS, Pullets or  
Cockerels, also STARTED CHICKS, BARY TURKEYS,  
Mature Fowls and Hatching Eggs. ALL FLOCKS BLOOD  
TESTED FOR BW. Write quick for this free book.  
GREAT WESTERN HATCHERY, Box 34, Salina, Kans.

Peafowl, Pheasants, Bantams, Waterfowl, 30  
varieties Pigeons. Free circular, John Hass,  
Bettendorf, Iowa.

OF INTEREST TO WOMEN  
Eastside Maternity—Seclusion Hospital for un-  
married girls. State licensed. Working re-  
duces expenses. 4911 E. 27th, Kansas City, Mo.



## KANSAS CERTIFIED SEED

THIS BUSINESS OF  
BUYING SEED

Buying seed is an important matter. For dependable results and genuine satisfaction... always buy seed Certified by the Kansas Crop Improvement Assn. It's for your protection and benefit! It's Certified for Dependability and Kansas Grown for Adaptability.

- |             |                  |
|-------------|------------------|
| HYBRID CORN | • CLOVER         |
| SORGHUMS    | • SOYBEANS       |
| BROMEGRASS  | • LESPEDEZA      |
| ALFALFA     | • NATIVE GRASSES |

THE KANSAS CROP  
IMPROVEMENT ASSN.  
Manhattan, Kansas

SEED CORN  
KANSAS CERTIFIED HYBRIDS  
K-2234 U. S. 13 K-1784 K-1583 K-1588  
The quality is good.  
Detasseling, Processing, and grading properly supervised.  
All seed treated with Spergon DDT.  
Certified Neosho and Osage Oats—Atlas Sorgo  
Inquiries welcome.  
CARL BILLMAN HOLTON, KANSAS

CERTIFIED HYBRID SEED CORN  
K-2234, K-2275, K-1784, K-1583, III. 200,  
U. S. 13  
H. F. ROEPKE  
Rt. 3, Manhattan, Kansas

## CERTIFIED K 1639

Field Matured, Spergon treated, Flats \$11.  
Rounds \$8. Large Rounds \$7. Freight prepaid.  
RALF E. HOCKENS, Arrington, Kan.

## AXTELL SORGO

"IT'S CERTIFIED"  
2 Weeks earlier — Produces more grain  
Purity 99.5% Germ. 98%, \$15.00 cwt.  
CHAMBERLIN SEED FARM  
Rt. 2, Carbondale, Kan.

Certified Hybrids: K2234 White, K1784 and  
K1585 Yellow. Certified (yellow tag) Buffalo  
alfalfa 80c pound, certified Neosho  
Oats \$2.25 cleaned, treated and bagged.  
Achenbach broom from certified, germination  
95%, less than 1% cheat, no bad weeds.  
20c pound combine run. Herbert T. Niles.  
Lebo, Kan. Phone 1253.

"Blue Tag Certified Seeds: Kansas Orange,  
Early Sumac, Leoti Red, Atlas Sorgo, Axtell  
Sorgo, Norkan, Midland Milo, Buffalo  
Alfalfa, Brome, Hybrid Corn, Bowman Seed  
Company, Concordia, Kan.

Certified Kansas Orange Seed. Germination  
94%, Purity 99.50%, \$15.00 cwt. Limited  
quantity. Order now. A. R. Duerksen, Hills-  
boro, Kan.

Certified Atlas Sorgo Seed. Germination 89%.  
Purity 99.60%. Price 15c per pound at the  
farm. T. Max Reitz, Belle Plaine, Kan.

Neosho Oats—Kansas Certified. 97% germination;  
99% pure. \$2 bushel bulk; \$2.25  
sacked. Cyril Habiger, Bavaria, Kan.

Certified Colby Milo. Germination 96%. Purity  
98.72%; other crop and weed seeds—none.  
10c lb. Jerry Downing, Colby, Kan.

Certified Dunfield Soybeans. High purity.  
Strong germination. Good combine variety.  
Harvey Armstrong, Reserve, Kan.

Certified Norkan Seed. Germination 86%.  
purity 99.07%. 10c per pound at farm.  
Chris G. Jörn, Oberlin, Kansas.

For Sale—Certified Atlas Seed. Purity  
99.50%. Germination 88%. Gus Regier,  
Jr., Whitewater, Kan.

Certified Kansas Orange Seed. Germination  
96%. Price \$16 per 100. J. C. Toevs, White-  
water, Kan.

Pure, Certified Norkan Seed. Fort Hays Ex-  
periment Station, Hays, Kansas.

For Sale—Certified Sumac Cane. \$14 cwt.  
at bin. Eugene Fast, Haviland, Kan.

Certified Axtell Sorgo Seed for sale. Lou  
Hereford, Rt. 3, Fort Scott, Kan.

When Writing Advertisers, Mention  
Kansas Farmer

ATTENTION  
Kansas Certified  
Seed Growers

In this section of this issue is the advertisement of the Kansas Crop Improvement Association together with the listing of a few individual members.

Your name ought to be there too—that is if you are a member.

If you want to be listed with an ad in the April 17 issue, advise us at once. Only qualification to get listed—you must be a member of the association.

No advance in rates—Classified (undisplayed) 10 cents a word; display classified, \$9.80 single column inch; \$4.90 for 1/2 inch.

TOM HAHN, Classified Mgr.

KANSAS FARMER

912 Kansas Ave.

TOPEKA KANSAS

## What About Butter?

Why have butter prices fluctuated so much about the middle of the month?  
—A. R.

While all the factors causing butter prices to advance in the middle of March are not necessarily apparent at this time, there were several important occurrences which could have caused butter prices to rise. First, it should be remembered that butter stocks are extremely low at this season of year. In addition to that fact, on March 1 butter stocks of 8 million pounds were at an all-time low. These low storage stocks removed the cushioning effect that storage stocks normally should have on butter prices.

Another factor in the situation at that time was the President's speech to Congress, indicating substantial quantities of materials would be necessary for additional defense activities. Such forces play a psychological part in bidding up prices for a short time. We should expect normal seasonal declines in butter prices at this time as milk production increases. However, prices will be extremely sensitive to output.

## Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$30.00	\$28.25	\$26.00
Hogs	25.25	23.75	27.25
Lambs	25.50	21.35	22.50
Hens, 4 to 5 lbs.	.21	.19 1/2	.24
Eggs, Standards	.40 1/2	.40 1/2	.39 1/2
Butterfat, No. 1	.76	.72	.60
Wheat, No. 2, Hard	2.57 1/2	2.76 1/2	2.65
Corn, No. 2, Yellow	2.41 1/2	2.41 1/2	1.77 1/2
Oats, No. 2, White	1.32 1/2	1.41	.95 1/2
Barley, No. 2	1.88	1.95	1.52
Alfalfa, No. 1	37.00	37.00	32.00
Prairie, No. 1	16.00	16.00	26.00

Kansas Farmer,  
Topeka, Kansas.

Please discontinue our advertisement.  
The cattle are all sold. Had we had them,  
we could have sold 100 head more.

CLAUSSEN BROS. (Angus Breeders)  
Russell, Kansas.

## FARMS—MISCELLANEOUS

North Missouri Bargain... 315 spring-watered acres with 90 bottom, good 6-room home, electricity, total price only \$6,500. \$2,000 down will handle. Borders gravel RFD road, high school bus creamery routes phone, electric lines, only 5 miles high school depot town, 1/2 hour college city; 160 tillable, 90 bottom, 5 alfalfa, 10 lespedeza meadow, 60 wooded, estimated 10,000 ft. marketable timber to cut, 10 walnut trees, woven barbed wire fencing; good 6-room white frame house, electricity, cedar and maple-shaded hilltop location, fair 24x32 frame barn, good 10x20 poultry house, good 40-ft. cattle shed; owner wants larger place, big buy for so little cash, \$6,500, only \$2,000 down. Special with big free Spring catalog many states. United Farm Agency, 428-KF BMA Bldg., Kansas City 8, Mo.

For Sale Four Adjoining Sections of Excellent Wheat Land in Manitoba, Canada. Large acreage ready for crop. Two sets of Buildings, Good water, \$25.00 per acre, one-third cash. Immediate action necessary. Box 145, Kansas Farmer, Topeka, Kansas.

Spring Farm Catalog—Free! Just Out! Green Book—over 2,500 bargains—Coast to Coast. Many equipped. Reduced Prices! Stout Realty, 20 West 9th St., Kansas City 6, Mo.

April 17  
Will Be Our Next Issue  
Ads for the Classified and Livestock  
Section must be in our hands by  
Saturday, April 10

## SHEEP



Reg.  
Hampshire  
Rams

Yearling rams. Make  
your selection early.  
W. G. NICHOLSON  
Great Bend, Kansas

## HOGS

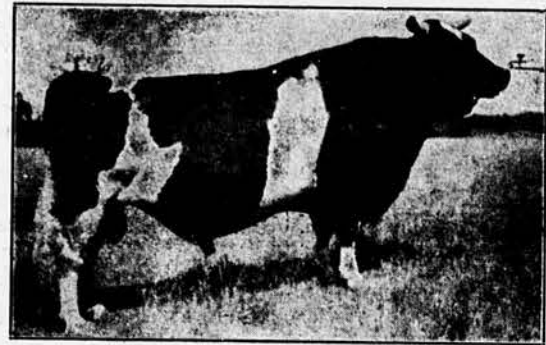
Shepherd's Superior Duroc Gilts  
Bred to Lo Thickmaster, Super-Spotlight. Proven  
sires of Top Quality Durocs. Also young boars  
for sale. Reg. Immured. Guaranteed to please.  
G. M. SHEPHERD, Lyons, Kan.

## CHOICE DUROC BOARS

The low down blocky kind. Registered, double  
immunized and shipped on approval. Write for low  
prices. CLARENCE MILLER, Alma, Kan.

## YORKSHIRE HOGS

The lean-meats, post-war breed. Bred gilts,  
unrelated pigs. Write for illustrated circular.  
Yalehurst Yorkshire Farms, Peoria, Illinois

Semi-Dispersal Sale  
C. L. E. Edwards  
Registered Holstein Herd

Wisconsin Admiral Burke Lad

Selling 55 Head Registered Holsteins  
at Fairgrounds

Topeka, Kansas, Monday, April 19

30 Registered Cows  
10 Bred Heifers  
9 Open Heifers

5 Yearling Bulls, ready for service  
1 Two-year-old son of Wisconsin  
Admiral Burke Lad

Tb. and Bang's tested within 30 days. This herd now in its 18th consecutive year in H. I. R. test. Every animal has production backing. Individual records up to 590 lbs. on 2X. Four 1,000-lb. cows have been developed in this herd.

Selling — One daughter of King Creator Champion Segis with her daughter sired by a Burke son: Six granddaughters of Wisconsin Admiral Burke Lad—The only place in Kansas you can buy granddaughters of Wisconsin Admiral Burke Lad from H. I. R. Dams.

This sale marks a dispersal of the Edwards herd that was established in 1928 except for a few unsalable cows and a dozen baby heifer calves. This herd is the only large dairy selling Grade A Raw milk in Topeka for the last several years. This speaks for the health of the herd.

C. L. E. EDWARDS, Owner

Bert Powell, Auctioneer

E. A. Dawdy, in the Box

## HOGS

BERGSTEN'S  
Improved Hampshires

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

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

## HAMPSHIRE FALL BOARS

Weighing 175 to 250 pounds. Thick, deep sided, big hammed, short legged, fast growing kind. The very finest breeding. Priced to sell—\$75 to \$250—Satisfaction guaranteed.

BILL GLOVER'S ACRES  
Raytown, Mo.

ETHYLEDAL  
FARM

Herd Sires: Bright Glory, Spotlite Supreme, Spotlite Jr. Gilts bred for March and April farrow, sired by a choice set of young boars.

PRODUCTION  
HAMPSHIRE

Dale Scheel, Emporia, Kan.

TOPS IN REGISTERED BERKSHIRES  
Bred Gilts, Fall Boars, Weanling Pigs, Champion Breeding. Registered. Immured. Write for prices. Geo. D. Carpenter, Clay Center, Kan.

## Bauers Offer Polands

For sale now—Fall Boars and Fall Gilts. Bred Gilts for April farrow. Write for prices.

BAUER BROTHERS, Gladstone, Nebraska

## Spotted Poland Chinas

For sale—Registered Fall Boars. Popular bloodlines. Immune.

ROY G. KELLER, Berryton, Kan.

## SPOTTED POLANDS

Registered, thick, blocky, heavy boned boars 200-225 lbs. Serviceable age. Write or visit

HERBERT HOLLIDAY, Richland, Kansas

## OFFERING SPOTTED POLAND CHINA BRED GILTS

Two registered gilts bred to Advancer Supreme, son of Advancer. Also spring pigs by Advancer Supreme. CRILLON EUBANK, Cullison, Kan.

## REG. SPOTTED POLANDS

Fall Boars and gilts. Good quality. Immune. Write or visit

SUNNYBROOK FARM  
Shawnee Co. Richland, Kan.

## YORKSHIRES

Establishing herd? Changing breeds? Write

CHURCHSIDE 7, Lunenburg, Ontario, Canada

## HOGS

Boar & Gilt Sale  
April 17

Featuring the get of Nucrest, Winners Glory, Holiday Bound, and Bright Boy. Strictly the tops from one of our greatest fall pig crops.

Inquire Today



O'BRYAN RANCH

1000 S. 10th St., Topeka, Kan.

C. M. SHEEHY & SON REG. SALE  
Duroc Hogs & Hereford Cattle

April 7  
1 P. M.  
Richards,  
Mo.

(1 mile west of Stotsbury, Mo., and 14 miles northeast of Fort Scott, Kan.)  
50 Reg. Duroc Gilts, bred for summer litters. Breeding dates guaranteed.  
10 Reg. Duroc Fall Boars.  
All vaccinated and best of bloodlines.  
13 Reg. Hereford Bulls—1 2-year-old, 12 yearlings. Good quality—bred right.

For catalog write  
C. M. Sheehy, Richards, Mo.  
Aucts.: Bert Powell and Darwin Johnson  
Don Bowman for Kansas Farmer

## Fall Boars — Fall Gilts

Sired by Dream King, length, thickness and deep wide hams. The accepted type.

WREATH FARM, Manhattan, Kan.

## WE OFFER DUROC FALL BOARS Sired BY TOPPER

Tops in quality and type. Also sows with litters. 100 spring pigs to date.

G. F. GERMANN & SON, Manhattan, 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

## Offering Registered Durocs

Selected fall boars and choice fall gilts. Good quality and breeding. The shorter legged kind. Write or see ALLEN KETTLER, Paola, Kan.



## Dairy CATTLE



### Oak Valley Jersey Farm Dispersal Sale

7 Miles North of Wichita on Highway 81  
1 1/2 Miles West on 53rd Street

Friday, April 30

35 PUREBRED JERSEYS (21 registered, balance not eligible to record). Herd classified 85%. 14 Cows and Heifers in milk or heavy springers, 8 bred Heifers and 8 Calves. Herd on D. H. I. A. test for the past 4 years with average herd record of 365.2 lbs. Sale includes Jester Eagle Eye 46036. A great offering of Longviews, Observers, Mastersons, Jester's Eagle Eyes, etc.

Calfood vaccinated and Tb. tested. Write for catalog.

ELMER L. REEP, Rt. 1, Wichita, Kans.  
Auctioneer: Boyd Newcom  
Jesse R. Johnson with Kansas Farmer

### JERSEY CATTLE for Sale



Offering cows and heifers, bred and open, including one "excellent" with 600 lb. fat record. Also our choice serviceable age bull, Jester Design Noble 487463. Females of Design and Jester breeding.

Edwin M. Livingston, Junction City, Kansas

### Holstein Bulls For Sale

One 12 months old, nicely marked and of good type. Sire's 13 nearest dams average 870 lbs. fat with 4.1% test. His own dam has just completed a junior 2-year-old record on 2X of 525 lbs. fat with a 3.7% test. Her dam has 568 lbs. fat at 2 1/2 yrs. and next three direct dams have 430, 573, 500 lbs. of fat respectively. Priced for immediate sale.

Several young sons of Brown's Marks-master Posch from 1 to 5 months of age are available. "Marks-master" is an own son of the Res-All-American, Minnesota State Champion, "Corrine" cow. These young calves are out of 500 and 600 lb. classified dams. For those interested in "Rag Apple" breeding these should solve their bull problems.

We have completed our second consecutive herd average above 500 lbs. fat on 2X. Write for information on these bull calves. Prices start at \$200.00.

ERNEST A. REED & SONS, Lyons, Kansas

### Smoky Valley Ormsby Countryman

For sale. Born November 27, 1946. Sire—Carnation Countryman, son of a Silver Medal sire and himself almost proved. Dam—Smoky Valley Ormsby Queen (612 fat as a 5-year-old).

W. G. BIRCHER, Ellsworth, Kansas

REGISTERED HOLSTEIN BULL CALF  
For sale. Born Feb. 16, 1948, sired by Osborn-dale Count Ormsby Tovarich, whose first 8 daughters have records of 400 to 500 lbs. on first year lactation. Dam's production 458 fat as 2 year old. Price \$100.

B. C. UNRUH & SONS, Pawnee Rock, 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, LEO, KAN.

### REGISTERED GUERNSEYS

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

### Dual-Purpose CATTLE



The Answer:  
**POLLED SHORTHORNS**  
**NATIONAL CONGRESS**  
Show and Sale — May 7-8  
Kansas City, Mo.

American Royal Building

30 Bulls, practically all ready for immediate service; 60 Females, modern type and championship breeding.

Every Congress has been an important milestone in the rapid rise of this fast growing, most efficient of all beef breeds—earliest maturity and greatest weight at any age, combined with natural hornlessness. All consignments to this eighth national event will be important foundations in any successful breeding program. Come and prove it to yourself. Make hotel reservations direct to the Phillips Hotel, headquarters. Write for catalog and ask about our free freight offer.

POLLED SHORTHORN SOCIETY  
Dept. 819 U. S. Yards Chicago 9, Ill.

### COOK'S Milking Shorthorns

Bulls for sale, sired by Retnuh Royal Stylst 43rd, and out of R. M. Cows. Farm one mile west and 2 1/2 north of town.

CLARENCE COOK, Lyons, Kan.

### MILKING SHORTHORNS

Let us help you. For information and your wants write: Kansas Milking Shorthorn Society  
C. O. Heidebrecht, Sec., Inman, Kan.

## Marketing Viewpoint

By C. P. Wilson, Livestock; Paul L. Kelley, Poultry, Eggs and Dairy.

*In view of all the talk of the scarcity of meat, what has happened to our hog market?—M. L. D.*

The whole economy has gone thru a considerable change during the last 2 months. From 1945 until the middle of January this year, we were in an inflationary spiral. The psychology of buyers was, "Let's buy now before prices go higher." In the process, this aggressive buying boosted prices. Price advances during December and early January were unusually sharp and many consumers became concerned over the high cost of living. The result was consumer resistance to these high prices. Their psychology changed to, "Let's wait and see whether prices will come down."

Then came the sharp break in grain prices in early February which added the final touch to the sharp break in hog prices. Grain prices broke primarily because (1) the world food situation had been improved, particularly so far as the wheat crops in Argentina, Australia, and Western Europe were concerned, and (2) rain and snow in the Winter Wheat Belt of the United States improved crop prospects for this year.

*What can be expected in the hog market during the next 30 or 60 days?—M. L. D.*

It now seems that the all-time peak in hog prices is past, and there is little prospect that hogs will sell above \$30 in the coming year. At present the strike situation has the market in a confused state, and until the strike situation is settled it is most unpredictable. If the strike should end immediately, hog prices probably would move upward above the \$25 mark but we would not expect prices above \$27. If the strike should continue indefinitely, prices at the retail level might rise sharply but due to a lack of slaughtering facilities, the demand for hogs probably would not cause a corresponding increase in hog prices. Then, if the strike did end, there would be a large accumulation of hogs on farms which would, at least temporarily, prevent much rise in prices. And if the strike should continue for 30 days or so, the fall pig crop would be about ready to move to market. Thus, we would miss any seasonal strength that might develop during the movement of the spring and the fall pig crops.

LYLE MITCHELL, Polled Hereford breeder, of Osborn, dispersed his fine herd of cattle on March 22. Thirty-seven lots were catalogued. Ollie D. Conrad, of Gaylord, purchased the top-selling animal. He paid \$400 for lot number 24, a heifer calving December, 1945. The top bull of the auction was purchased by Kermit Hobbie, Tipton, for \$300. Freddie Chandler conducted the auction.

The HARRY E. PIERCE ABERDEEN-ANGUS sale, postponed from March 10 to March 16, was attended by a large crowd of visitors and buyers. The 42 lots sold averaged \$424. Bulls averaged \$380, with a top of \$800 on a yearling. The buyer was H. G. Eshelman, of Sedgwick. The females averaged \$470, with a top of \$750 paid by Carma Farms, Newton. The weather was fine, cattle sold in ordinary flesh, but in good breeding form. The local demand was good. Ray Sims, of Belton, Mo., was the auctioneer.

### Livestock Advertising Rates

1/4 Column inch (5 lines) \$3.00 per issue  
1 Column inch..... \$4.00 per issue  
The ad costing \$3.00 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

JESSE R. JOHNSON, Livestock Editor  
MIKE WILSON, Fieldman.  
Kansas Farmer - - - Topeka, Kansas

### DUALYNN MILKING SHORTHORNS

Bull calves, related to the National Grand Champion cows, Duallynn 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.

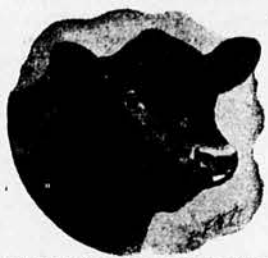
JOHN B. GAGE, Eudora, Kansas

### A LOT OF BULL

Buyers will pay more, next Fall, for the inferior bred left-overs that remain unsold until serviceable age. Send for charts of superior breeding and get your choice now. Backed by milk records for 22 years, show winnings, and Classification. Be first to call at farm, 4 miles northeast of State Fair Grounds, on K17. For Milking Shorthorns

HARRY H. REEVES  
Rt. 3, Hutchinson, Kansas

## NORTHEAST KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION



Fourth Annual Spring Sale of Registered Cattle

Tuesday, April 20, at 1 P. M.

At Sale Pavilion 1/2 Mile West of

Hiawatha, Kansas

Sale Will Be Held Rain or Shine

50 HEAD — 15 BULLS — 35 FEMALES

The cattle in this sale will not be fat, but will be presented in good practical condition. They represent some of the most popular bloodlines of the breed. Big rugged bulls ready for heavy service. Good producing cows, Bred and Open heifers. Health certificates furnished for all cattle in sale.

Consignors:

C. E. Ward, Highland  
Harry Ukena, Robinson  
Robert Miller, Highland  
Sterling Gilmore, Highland  
Raymond Small, Leona  
F. C. Sanford & Sons, Meriden  
Harry Dandliker, Hiawatha

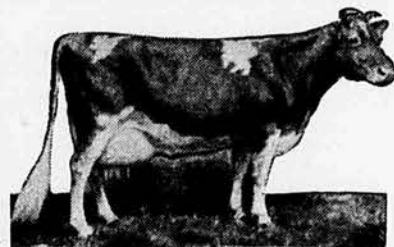
W. D. Gilmore, Highland  
Wayne Ukena, Everest  
J. O. Honeycutt, Blue Rapids  
Hugh Gilmore, Highland  
Kenneth Hill, Highland  
Ward Gilmore, Highland

Visitors and breeders invited to attend dinner as guests of Hiawatha Chamber of Commerce on Monday evening, April 19, at 7:30 P. M., at Moreland Hotel. Please notify Secretary, Chamber of Commerce, not later than Friday, April 16, for your reservation.

For Your Free Catalog Write

HARRY DANDLIKER, Secretary, Hiawatha, Kansas  
Auctioneer: Ray Sims  
Jesse R. Johnson with Kansas Farmer

## Guernsey Cattle Dispersal Sale



Illness and adverse labor conditions make it necessary to disperse my good herd of Dairy cows.

Wednesday, April 7  
Wichita, Kansas

Sale at 1 P. M.  
at farm 2 miles west of Union Stock Yards,  
just north of Wichita University  
15 REGISTERED (remainder pure-  
bred but not eligible to record)

Sired by such great bulls as Ransom's Mary Ann's Master, (first prize Kansas Free Fair 1943), Jo-Mar King's Lustre and others bred deep in the blood of Langwater and Gaylord bloodlines.

Good young cows and heifer calves suited for 4-H Club work.  
Everything old enough are in milk or springers. All Tb. and Bang's tested. Most everything had been bred or developed on our farm. Cows and Heifers suited for foundation purposes or replacement in good herds.

Among the attractions are 7 unrecorded heifers and many of them heavy springers.

For Catalog Address

ARTHUR J. GRABER, Wichita, Kansas

Auctioneer: Boyd Newcom

Jesse R. Johnson with Kansas Farmer

## Sunnyland Farms Will Sell at Auction



70 Hampshire Hogs and  
100 Aberdeen-Angus Cattle  
Saturday, April 10  
1 P. M.

Avilla, Missouri



14 miles east of Carthage, Mo., on highway 66, then 1/2 mile north on gravel road  
Sale in pavilion on farm, 43 miles west of Springfield, Mo., on highway 66.  
Selling 60 Purebred Hampshire Bred Gilts—25 Reg., 35 Non-Reg.  
Bred to a great battery of young boars as Sunnyland Winner, a good young son of the \$3,000 Winner Glory, and Distinguished, a grand young boar by the \$8,000 Compest. We think these boars are the best. All double immuned. From dams that produce big litters. They are well grown, thrifty, and have been fed a balanced ration.  
Also selling 10 Good Registered Fall Hampshire Boars.

100 Head of Aberdeen-Angus Cattle Will Sell

5 Yearling Registered Angus Bulls sired by Prince Erham 20th, a grandson of Black Prince of Sunbeam, 15 good grade cows, with calves or heavy springers. 5 yearling grade Angus Heifers, 75 yearling Angus Steers. Plan to be with us on April 10.  
Auctioneers: Ray Sims and Bert Powell  
Don Bowman for Kansas Farmer

## 3rd Annual Spring Show & Sale Southeast Kansas Aberdeen-Angus Breeders' Assn.

at the County Fairgrounds

Iola — Friday, April 9

Show at 9:30 A. M. and Sale at 1:00 P. M.

51 Head of Selected Registered Aberdeen-Angus — 11 Bulls — 40 Females  
The offering is a choice lot of well bred, good type, well conditioned cattle. Herd bull prospects, and top quality foundation females, from the best herds in Southeast Kansas.

Breeding As Good As Can Be Found Anywhere

Dinner and business meeting at Iola, Thursday evening, April 8th, for all interested. Send dinner reservations to the sale manager.

SOUTHEASTERN KANSAS ABERDEEN-ANGUS BREEDERS' ASSN.

For catalog write Clarence C. Ericson, Sale Manager, Savonburg, Kansas



Hardwickmere 60th

## Latzke Angus Farm

Farm South of Town on  
Highway 77—Watch for Sign

Son of the 1938 International  
Grand Champion. Offering his  
sons and daughters, also cows with  
calves at foot.

OSCAR LATZKE  
Junction City, Kans.



APR 3 1948

MANHATTAN

Kansas Farmer for April 3, 1948



Plato Domino 1st 265175

## Complete Dispersal Horned and Polled Herefords

12 o'clock noon. Sale at farm 5 mi. south and 4 mi. east of Enterprise, Kans.

Monday, April 12, 1948

140 LOTS SELLING

31 Horned Cows, some with calves at side by sale day and are by C. K. Onward Domino, C. K. Challenger D. 19th., from the C. K. Ranch, Brookville, WHR Sufficiency 23, from San Gibbs Manchester. 18 Polled 2-year-old heifers bred to Plato Domino 1st. 20 open Polled heifers by Plato Aster 35th. 6 open Horned heifers. 35 Polled and Horned cows, are bred to M. W. Larry Domino 86th. Lunch on the grounds.

**BOB WHITE HEREFORD FARMS, Enterprise, Kans.**

Auctioneer: Freddie Chandler

Mike Wilson for the Kansas Farmer

## Reg. Hereford Dispersal Sale

Great Bend, Kan.

(in Sale Pavilion)

Saturday, April 10

Sale starts at 12:30

40 Cows and Heifers (20 with calves, remainder to calve soon).

9 Bulls, including the herd bull (C. K. Cruiser D 4th) a son of C. K. Challenger D 19th. Young bulls in age from yearlings to past twos.

Females bred deep in the blood of

Dundy Domino

W. H. R.

Prince Domino

Onward Domino

Imperial Lamplighter

Mischiefs Mixer

We also sell 15 Grade Cows and Heifers to calve soon bred to C. K. Cruiser D 4th and 10 Grade Cows with C. K. Cruiser D 4th calves.

For catalog address

**F. W. Bartholomew & Sons, Great Bend, Kan.**

Aucts.: R. M. Krehbiel &amp; Son

Jesse R. Johnson with Kansas Farmer



## Jansonious Quality Herefords Since 1916

Annual Production Sale. At the Sales Pavilion at

**Phillipsburg, Kan., April 20, at 1:00 P. M.**

29 BULLS — 31 FEMALES

All of Anxiety 4th Breeding and of Good Herd Building Material  
For Catalog Write

**JANSONIOUS BROTHERS, Prairie View, Kansas**

## IN THE FIELD



**Jesse R. Johnson**  
Topeka, Kansas  
Livestock Editor

and **MIKE WILSON, Livestock Fieldman,**  
Muscatine, Kansas.

Breeders from Northeastern Colorado and Kansas recently met at Colby and organized what is to be known as the **HIGH PLAINS ABERDEEN-ANGUS BREEDERS' ASSN.** Officers were elected and plans made for an association sale to be held at Oberlin in April. Lester Lundahl, of Menlo, was made president of the association.

The **AYRSHIRE BREEDERS** of Northeast Kansas held a planning meeting at Hotel Atchison, Atchison, March 8. Twenty-two members enjoyed the dinner at noon served by the hotel. A business meeting was held in the afternoon. Raymond Scholz, president; E. R. Zeek, vice-president; Gene Stillings, secretary-treasurer; Mrs. Richard Scholz, reporter, and Otis Reece, state director, were elected for 1948.

Date for the spring show was set for April 19, at the Civic Center, Horton. Otis Reece, Richard Scholz and Karl Scholz were appointed to make plans for the show. The Kansas Ayrshire Production Sale is to be held sometime between October 10 and November 1. Karl Scholz was elected to serve on a committee from this district to make plans for the sale. The Northeast Kansas Ayrshire Sale was planned. The president appointed E. R. Zeek, Karl Scholz and Gene Stillings to make plans.

John Chambers, Ayrshire fieldman, gave an interesting talk and praised the Ayrshire breeders for their advancement in the last year.

G. M. SHEPHERD writes that his short legged, rugged Duroc sows and gilts are farrowing and saving big litters with 20 below zero weather. But electric brooders and sleepless nights have had much to do with the accomplishment. So far he has had better than 11 to the litter, with fewer losses than usual. Now it is warmer and soon the alfalfa will be doing its part. Mr. Shepherd is one of the oldest and most active Duroc breeders in the entire country. Few breeders have placed as many good hogs on the farms of this and other states.

The annual **NORTH CENTRAL KANSAS HEREFORD** Sale was held at Concordia, on March 23. Fifty-three lots were sold in the auction. The 32 bulls catalogued brought an average of \$294, and the 21 females averaged \$260. The 53 lots made a general average of \$280. The top-selling bull of the auction was consigned by Emil L. Swenson, Concordia, and was purchased by Douglas Gillette, Burr Oak, for \$500. Mr. and Mrs. Bobby Champlin & Sons, Jamestown, consigned the top-selling female. She was purchased by Elmer Derowitsch, Chester, Neb., for \$400. Freddie Chandler was the auctioneer.

The many friends of **FRED R. COTTRELL**, of Irving, will be glad to know that **BLUE VALLEY HEREFORD** ranch has been leased to Mr. Stiles, an old-time patron of the ranch, having bought breeding stock there for many years. The big 1,200-acre ranch with the big round barn will again be used, as Mr. Cottrell says, for the purpose that inspired its purchase and improvement. Several years ago after having managed the ranch and the herd of Herefords for more than 50 years, he dispersed the herd and leased the ranch. Since that time it has been used more as feeding ground for stock cattle.

**NORTH CENTRAL KANSAS SHORTHORN BREEDERS** held their annual spring sale in Beloit, March 23. The weather was excellent and attendance at the sale was very satisfactory. Julius Olson and Son, of Leonardville, consigned the top bull of the sale, going to Harold Tonn, Severy, at \$675. The top female of the auction was consigned by H. D. Atkinson & Sons, of Almena, and she was sold at \$375 to R. R. Walker & Son, veteran Shorthorn breeders of Osborne. The bull average of the sale was \$256 a head. The females made an average of \$266. The general average on the 48 head sold was \$260. Col. Bert Powell, assisted by press representatives, sold the offering.

Despite heavy snow the night before, 400 buyers and visitors attended the **MARSHALL COUNTY HEREFORD BREEDERS** second annual sale, held in the big pavilion at Marysville, March 2. Seventy-one head of consigned cattle were sold for a general average of \$285. The bulls made \$285 average with a top of \$500, paid by Ivan Dobrovolsky, of Waterville. The cows and heifers averaged \$219, and Henry Miller & Sons, of Milford, paid the top price of \$335 for females. Secretary Elmer E. Peterson expressed himself as being very well satisfied with prices considering stormy weather and bad condition of roads. Freddie Chandler was the auctioneer. Sixty-three head went back to Kansas farms.

Among the Holstein herds not only of Kansas but in the entire Midwest that rate at the top is the **C. L. E. EDWARDS** herd at Topeka. With painstaking care and with sincerity, Mr. Edwards has moved forward with the procession of progressive breeders. A student of both pedigree and individual excellence, he has spared nothing in his efforts to grow and develop Holsteins that would improve and increase the best dairy cow population. With individual cows having records of well over 500 pounds of fat, this is the only herd in the state with granddaughters of Wisconsin Admiral Burke Lad. The herd is now in its 18th continuous year of H. I. R. testing, and four 1,000-pound cows have been developed in the herd.

**GEORGE WREATH**, owner and manager of Wreath Farm, at Manhattan, bought his first Durocs when he was 14 years old and has bred registered stock almost continuously since. Mr. Wreath has developed and discovered much about this great breed. One thing he has learned over the years is that changing type must not be undertaken too suddenly. If it is, lack of uniformity is the result.

For the last few years Wreath Farm has shortened the legs and widened the hams, and at the same time maintained the stretch of body and size that must go with a profitable market hog. About 60 spring pigs are on the farm to date and several litters have been sold with their dams. The herd boar, Dream King, has proved a valuable sire in the herd.

## Beef CATTLE

### Our Consignment

**The Fairbury  
Shorthorn  
Sale April 15**



A sweet red young Duchess of Gloster Brawth Premier cow with roan bull calf at foot and a choice young roan Shal-lenger Broadhooks cow (blue ribbon winner as a calf), bred Nov. 2 to Braemor Starry Archer, a top son of Imp. Millhills Starry Archer. Both vaccinated for Bang's.

**C. B. STEWARD & SON**  
Panama, Neb.

### COLLYNIE

**LAVENDER 4th**



is the sire of the good mature Polled Shorthorn bull that we are consigning to the Fairbury April 15th Association Sale. See him there.

**PEARL GRUBB, Hebron, Neb.**

### Red Shorthorn Yearling Bull

For Sale.—Grandson of Sni-Bar Gold Standard. Priced right.

**HOMER ALKIRE, Belleville, Kan.**

### A NICE SELECTION

Of Registered Shorthorn Bulls sired by Divide Olympic. Nice colors, good disposition, best of type. Also a few choice heifers.

**E. C. LACY and GLENN E. LACY & SON**  
Miltonvale, Kansas

### REGISTERED SHORTHORNS

Bulls — FEMALES — 4-H Calves

**C. H. RALSTIN, Mullinville, Kan.**

### Registered Shorthorn Bulls

for sale, 12 to 15 months old. Also some choice females. **VINCENT FIELD, Almena, Kan.**



Consigning to the  
**MID-CONTINENT  
ANGUS SALE**

**Junction City, Kan.  
Friday, April 16**

**ONE BULL**, calved October 4, 1946. Sired by **REVERERE OF WHEATLAND 75th**, a son of **Reverere of Wheatland 59th**. This bull carries the type and bloodlines that will make someone a good sire. He is well developed for his age and will be ready for service.

**RALPH E. DIETRICH, Junction City, Kan.**

### BEEFMAKER BULLS (Aberdeen-Angus)

Have become a fixed type in the opinion of good judges. They do well for others. Come see them.

**C. E. REED**  
4114 East Central Ave., Wichita 6, Kan.  
Telephones 6-8313 residence; farm 5-3868



Offering  
**Registered Angus  
High Quality Bulls**

Sired by **Applewood Bandolier 114**  
**H. L. FICKEN & SON**  
BISON, KANSAS

### HEREFORD BULLS

Several 2-year-old bulls, sired by Jupiter Blue Blood the Third, Grandson of Prince Domino Mixer. This bull stood first in his class at Kansas City Roundup. Also several 2-year-old registered bulls.

**ARTHUR ATTWOOD, Silver Lake, Kans.**

### • AUCTIONEERS •



**HAROLD TONN**

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

### BERT POWELL

AUCTIONEER

LIVESTOCK AND REAL ESTATE  
1529 Plass Avenue Topeka, Kan.

### Frank C. Mills, Auctioneer

Alden, Kansas

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



Starting with his father when a small boy, OSCAR LATZKE, now manager of LATZKE ANGUS FARM, has developed one of the really great Aberdeen herds of the entire country. Quiet and unpretentious, he has led most breeders in the matter of putting bulls on Kansas farms, where herd improvement was most needed. Taking time to develop the herd without guessing that a certain cross would be sure, he has traveled to some of the best herds in America for breeding animals. At this time he has heading his herd one son of a 1938 grand champion, one son of a 1946 grand champion, and a double grandson of a 1935 grand champion. Probably no other herd in this or any other adjoining state is better fixed for herd bulls that carry a greater heritage of richly bred prize-winning animals.

Among several letters received commenting on a public sale article that appeared in the column recently, was one from the veteran Holstein sale manager and breeder W. H. MOTT, of Herington. He recalls that the first combination sale of Holstein cattle ever sold in Kansas was held at Newton, in March 1917. Doctor Mott gives the late John W. Johnson credit for suggesting the sale. Most of the cattle sold in that sale were from Wisconsin and New York. They went to several parts of the state. During his career as a sale manager Doctor Mott organized and sold public sales in 153 different locations in the eastern two thirds of the state. The second annual meeting of the State Holstein Association was held at Newton the day preceding the sale mentioned. Doctor Mott concurs in the opinion of the writer that public sales have been one of the greatest factors in building better livestock in Kansas.

**CENTRAL KANSAS DISTRICT SHORT-HORN AND POLLED SHORTHORN** show and sale was held at the State Fair Grounds, Hutchinson, on March 24. The show preceding the sale was judged by Lot Taylor, of Manhattan. In the show the champion bull was the Polled 3-year-old of C. R. Johnson, Sylvia. Reserve champion bull was shown by McIlrath Brothers, of Kingman. The champion bull sold for \$375 and the reserve champion for \$425.

Champion female was shown by Glenn Flickinger, Abbeville, and she sold for \$300. Reserve champion female was from the Frank C. Mills herd, of Alden. She sold for \$325.

Seventeen bulls averaged \$313 and 26 females averaged \$226. General average \$260. High-selling bull was lot 3 consigned by R. L. Bach, Larned. He sold for \$500 to Frank Bohrer, of Spivey. A Bach bull was second high selling at \$445. O. L. Griffin, Nickerson, was the buyer. McIlrath's \$425 bull was third in dollars paid for a bull and the buyer was Richard Grizzell, Claflin. At \$350, Calvin Koch, Alden, bought the Bach coming-yearling heifer which was the top on individual females in the sale. Frank Mills' reserve champion was second high selling female at \$325 and the buyer was Calvin Koch, Alden. The champion heifer at \$300 was bought by Richard E. Kosler, Claflin. R. H. McCollum, Cottonwood Falls, sold 2 cows with calves. The calves were sold separate from their dams. The top on cow and calf was \$395. A good crowd attended and a satisfactory sale resulted.

Sale committee was W. G. Olson, Clements; Frank Mills, Alden; W. E. Griffin, Nickerson; R. L. Bach, Larned; Frank E. Leslie, Sterling. The sale manager was Frank E. Leslie. Auctioneers were Bert Powell, Frank Mills and T. R. Cantrell. Press representatives assisted with the sale.

## Public Sales of Livestock

### Aberdeen-Angus Cattle

April 9 — Southeast Kansas Aberdeen-Angus Breeders' Assn., Iola, Kan. Clarence C. Ericson, Sale Manager, Savonburg, Kan.  
April 10 — Sunnyland Farms—W. D. Earnst & Son—Avilla, Mo.  
April 16 — Mid-Continent Aberdeen-Angus Breeders' Assn., Junction City, Kan. Vance Collins, Sale Manager, Junction City, Kan.  
April 17 — Mid-Kansas Aberdeen-Angus Association, Hutchinson, Kan. Locke Hershberger, Sale Manager, Little River, Kan.  
April 20 — Northeast Kansas Aberdeen-Angus Cattle Breeders, Hiawatha, Kan. Harry Dandliker, Secretary.  
April 21 — Albert Godfrey, South Greenfield, Mo.  
June 7 — Chester Davidson, Rocky Comfort, Mo.

### Ayrshire Cattle

April 12 — Meade-Ayre Farm, Meade, Kan. Frank V. Lille, Sale Manager, Bellefontaine, Ohio.

### Guernsey Cattle

April 7 — Arthur J. Graber, Wichita, Kan.  
May 3 — Missouri Guernsey Breeders' Association, Columbia, Mo. H. A. Herman, Secretary, University of Missouri, Columbia, Mo.

### Hereford Cattle

April 7 — C. M. Sheehy, Richards, Mo.  
April 19 — Raylford Farms, A. D. Rayl, Owner, Hutchinson, Kan.  
April 20 — Jansonious Brothers, Prairie View, Kan.  
April 20 — Ozark Hereford Consignment Sale, Union Stock Yards Pavilion, Springfield, Mo. Donald J. Bowman, Sale Manager, Hamilton, Mo.

### Polled Hereford Cattle

April 12 — Bob White Dispersal sale, Enterprise, Kan.

### Holstein Cattle

April 19 — C. L. E. Edwards, Topeka, Kan.  
April 21 — Robert Hubbard, Emporia, Kansas  
June 3 — National Convention Sale—Kansas City, Mo. Art Peterson, Sale Manager, Oconomowoc, Wis.  
October 25 — Kansas State Holstein Sale, Abilene, Kan. H. A. Meier, Abilene, Kan., Chairman Sale Committee.

### Jersey Cattle

April 30 — Ark Valley Jersey Farm, E. L. Reep, Owner, Wichita, Kan.

### Shorthorn Cattle

April 9 — Mid-Kansas Shorthorn Breeders Show and Sale, Salina, Kan. Mervin Aegerter, Sale Manager, Seward, Nebr.  
April 15 — Nebraska Shorthorn Breeders (Horned and Polled), Fairbury, Nebr. Thos. Andrews, Sale Manager, Cambridge, Nebr.

### Polled Shorthorn Cattle

May 7-8 — National Congress Show and Sale, Kansas City, Mo. Sales Managers—Polled Shorthorn Society, U. S. Yards, Chicago 9, Ill.

### Duroc Hogs

April 7 — C. M. Sheehy, Richards, Mo.

### Hampshire Hogs

April 17 — O'Bryan Ranch, Hiattville, Kan.  
April 10 — Sunnyland Farms—W. D. Earnst & Son—Avilla, Mo.

### Sheep—All Breeds

June 25-26 — Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Sales Manager, c/o State Department of Agriculture, Jefferson City, Mo.

## Beef CATTLE

### TRY PLAIN VIEW FARMS POLLED HEREFORDS

For sale now Young Herd Bulls and Heifers, the same breeding and quality as sold in our sale November 14, 1947, which was the highest average beef cattle sale in the state this year. Farms on highway K 43, eight miles north of Hope and 6 miles south and 2 1/2 east of Enterprise, Kansas. JESSE RIFFEL & SONS, Enterprise, Kan.

### POLLED HEREFORD HERD BULL OFFERED

Plato Domino AA 28

Top-selling bull in Ravenstein's 1946 sale. Also bull calves and a few heifers and cows. Good quality and best of breeding.

IDLEWILD FARM  
Earl R. Bohling, Florence, Kan.

### Registered Polled Herefords

For Sale—Young herd bulls, 12 to 15 months old. Choice quality at a reasonable price. Bocaldo, Domino and Worthmore breeding. Come and see them at the farm, 3 miles north of Kingman, Kan.

F. L. COOK, Kingman, Kan.

### REGISTERED HEREFORDS

15 Bulls — 20 Heifers

Bulls from 12 to 24 months old. Heifers same ages and breeding, some of them bred. All sired by WHK and OSH Herd Bulls. Same breeding that made our \$550 sale average.

WALNUT VALLEY HEREFORD RANCH  
Walte Bros., Owners, Winfield, Kan.

### HEREFORDS BULLS and HEIFERS

For Sale at This Time—Young bulls and open heifers. Also a few summer yearling heifers bred to Royal Treadway 51st. Inquire of

RAY RUSK & SON, Wellington, Kan.

### Registered Hereford High Quality Bulls

Two year old sons of Beau Anxiety 3941876 by Super Anxiety 5th 2634824 and Domino breeding on dam's side.

ORVILLE L. JENKINS, Emmett, Kansas

### Registered Hereford Bulls and Heifers

Sired by Blocky Domino Jr. by W. H. R. Blocky Domino 42nd, who was in the T. O. Ranch herd for 5 years. Inspection invited or write. (Located 4 1/2 miles north of Scranton.)

FRANK HUG & SONS, Scranton, Kan.

## Fourth Annual

# Mid-Continent Aberdeen-Angus Breeders Show and Sale

April 16, 1948

at the Junction City Sales Pavilion

## Junction City, Kansas

Show at 10 A.M. Phil Ljungdahl, judge. Sale at 1 P. M.



We will sell 7 head of bulls, and 35 females, open, bred, cows heavy in calf and cows with calves at their side.

### Consignors

Collins & Collins, Junction City  
Ralph Dietrich, Junction City  
George Hammorlund & Sons, St. Marys  
J. B. Hollinger, Chapman  
Enos Honeycutt, Blue Rapids  
J. O. & Jim Honeycutt, Blue Rapids

Kansas State College, Manhattan  
Ralph & Marvin Poland, Junction City  
A. J. Schuler & Sons, Junction City  
J. W. Scott, Solomon  
Kenneth Stien, Gypsum  
Harold Trumpp, Bala

### For Catalog Write

VANCE W. COLLINS, Junction City, Sale Manager  
Roy Johnston, Auctioneer  
Mike Wilson for Kansas Farmer

## HONEY CREEK FARM'S DRAFT SALE

Wednesday, April 21

1 P. M.

South Greenfield, Mo.



Sale to be held at the Dodge Sale Pavilion located 1/2 mile north of the junction of highways 39 and 160; 2 miles north of South Greenfield and 1 mile south of Greenfield; 40 miles west and 5 north of Springfield, Mo.

60 LOTS

45 Females—15 Yearling Bulls

33 Cows and Bred Heifers, many with calves by side and rebred to Eileenmere Rabban of Maize 857792, a grandson of Eileenmere 85th. All cattle in pasture condition. We think you will like the fine group of calves. A number of the cows ready to calve, all bred and rebred to the same bull. A few heifers bred to Envious S. 28th of Maize 933564.

12 Quality Open Heifers. You will like them.

15 Yearling Bulls. Many ready for service. We are not dispersing—this is a Quality Draft Offering.

For catalog write—Don. J. Bowman, Livestock Sale Serv., Hamilton, Mo.

ALBERT GODFREY, Owner, Honey Creek Farms, South Greenfield, Mo.  
Auctioneers: Roy Johnston and Ray Sims  
Don Bowman for Kansas Farmer

## Mid-Kansas

# Aberdeen-Angus Show & Sale

State Fairgrounds

Sat., April 17---Hutchinson, Kan.

Here is the greatest opportunity for you to buy good Angus cattle, right at the start of the pasture season. Herd bulls, foundation females, good young bulls you can afford to develop—a start with Angus. This is a grand lot of young cattle—with years of profitable production ahead of them.

We invite everyone interested in good cattle to this show and sale. Mid-Kansas Angus have improved each year. This is our best offering. Come and spend Saturday, April 17, with us.

Show at 9 A. M. — Sale at 1 P. M.

George Freeman, Judge — Ray Johnston, Auctioneer

### Consignors:

ARKDALE FARMS, Sterling  
ERNA BLY, Manhattan  
LLOYD ERICSON, Marquette  
H. L. FICKEN, Bison  
HAROLD GIESE & SON, Arnold  
GILLIG BROS., Kiowa  
LOCKE HERSHBERGER, Little River  
HERSCHEL JANSSEN, Lorraine  
FRANCIS KRATZER, Geneseo  
KANSAS STATE COLLEGE, Manhattan  
MAT MALONE STOCK FARM, Raymond  
RALPH AND MARVIN POLAND, Junction City

McCOY AND SOMERS, Galva  
McCURREY BROS., Sedgwick  
HAROLD PAULS, Inman  
RAILSBACK BROS., Quinter  
IRL RAMAGE, Little River  
NELSON AND WAYNE SANKEY, LaCrosse  
FRED S. SCHULTIS, Great Bend  
ERNEST SMITH, Raymond  
PHIL STERLING FARM, Canton  
H. E. THALMAN & SON, Haven  
E. W. ZIRKLE, Montezuma

For Catalog Write: LOCKE HERSHBERGER, Little River, Sale Manager

Herschel Janssen, Lorraine, President

Phil Sterling, Canton, Secretary

## MID-KANSAS ABERDEEN-ANGUS BREEDERS' ASSN.

Mike Wilson for Kansas Farmer







# The Tank Truck



## A 4-Way Winner!

George Cordary, who farms 235 acres in Walker County, near Huntsville, Texas, has four good reasons why he trades with Conoco.

In the picture, Mr. Cordary (at far right) points out his #1 reason to Conoco Agent, H. Y. Murray... "Your Conoco Pressure Lubricant outshines anything I have ever used... on the Pitman Rod of my mower... one place where it is really hard to get a grease to stay put."

#2... Mr. Cordary says, "I can use your N<sup>th</sup> Motor Oil and go from one drain to the next and still wind up with a clean, clear crankcase of oil. What more could one ask for as evidence that he is getting the very finest in lubrication?"

#3... he fills up his tractor with N-tane gasoline (10-1/4 gallons) and plows all day with a 20" bottom. "This is something I have never been able to do before"

... he says, adding "that is what I call true economy." And, finally, #4... Mr. Cordary simply says he just gets superior all around performance by sticking to Conoco's complete line of products.



## Sells 5-Year Old Tractor for What New One Costs!



"We are always running into remarkable N<sup>th</sup> Oil lubricating stories up here in Montana's big-farm country," write Conoco Agents Crosmer and Jelinek of Miles City, "but here's one that really stands out!"

"One day we took a ride out to Horton Flat, 15 miles west of Miles City, to visit with our good customer, Earl Kildahl. He and his father, Nils Kildahl, have been trading with Conoco for 28 years... and here's exactly what Earl Kildahl had to say about one of his tractors which he had brought up on N<sup>th</sup> Oil: 'After using a tractor on heavy work for five years, I was able to sell it... because I no longer needed it... for what a new

one cost because of its good mechanical condition, which I feel was due to using Conoco N<sup>th</sup> Motor Oil... I am sure that because of OIL-PLATING... our equipment operates in the most economical manner possible... Periods between overhauls have been entirely satisfactory and beyond what the manufacturers recommend.'"

"When we hear a farmer talk about OIL-PLATING," says Agent J. G. Crosmer, "we know for a fact that he knows what N<sup>th</sup> Oil is doing for him! Yes, sir... he knows that N<sup>th</sup> Oil stays right up there on those cylinder walls and gives them perfect lubrication... no matter how hard he works his tractors!"



**YOUR  
CONOCO AGENT**

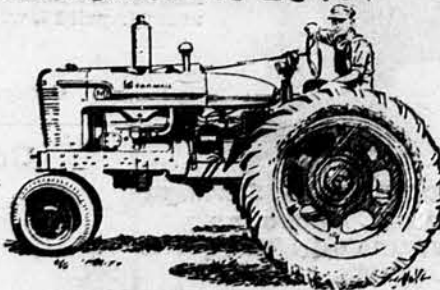


## "Not a Dime for Repairs!"

... That's the record of W. G. Human, Muskogee, Oklahoma. In the picture above, Mr. Human takes time off to give Emmett Glander, his "Conoco Man," the following story about his success with N<sup>th</sup> Motor Oil:

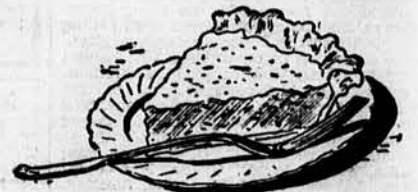
"... my 9-year-old Farmall F20... is really OIL-PLATED from eight years service with Conoco N<sup>th</sup> Motor Oil... I figure Conoco N<sup>th</sup> gives me 50% longer service and protects my motor better than any other oil I used before. It stays cleaner, holds its body and strength and doesn't sludge up. I had one general overhaul three years ago and not a dime on mechanical repairs since. It still shows no signs of needing any motor work..."

## "Reduced My Operating Costs...20 to 25%!"



"It affords me pleasure to tell my experience with your products," says Irvin N. Ostrander of Columbus, Nebraska... shown on his tractor, above... "because they have reduced my operating costs from 20 to 25% during the 3 years I have used them... I have farmed 240 acres each year using the one tractor for every purpose... I consider it very unusual to operate a tractor in heavy duty service for three years without a single repair bill."

## Chocolate Chip Pie!



... by Mrs. Eva Fuller, Lamar, Missouri.

10 graham crackers	1 cup cream (whipped)
4 T butter	1/4 t vanilla
1/2 cup milk	2 squares grated
28-30 marshmallows	bitter chocolate

Crumble graham crackers, roll with butter. Pat into pie tin. Melt marshmallows in milk, cool the mixture, then fold in cream, vanilla and grated chocolate. Let stand several hours in refrigerator before serving.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Okla. Get a \$7.50 pair of genuine Wiss Pinking Shears for each one printed here with your name. If duplicates are received, the one to be published will be determined by Mrs. Wheeler. All recipes sent in become property of Continental Oil Co.

## FARM KITCHEN

### Wet Boot Hanger!

This "boot-drying" idea comes from Mrs. H. O. Wisdom of Worland, Missouri. As shown in the sketch... the boot heels slip into two small-sized horseshoes, and hang upside down to drain and air.



### Makes Scrubbing Easier!



If you have a large porch, this idea sent in by Charles Nixon of Kenedy, Texas, will save you a lot of time. It's just as simple as the sketch shows... a garden hose wired to the push-broom handle.

### PRIZES FOR IDEAS!

Send your original ideas to The Tank Truck in care of this paper—and get a genuine \$8.00 Henry Diston Hand Saw, for every one that's printed!