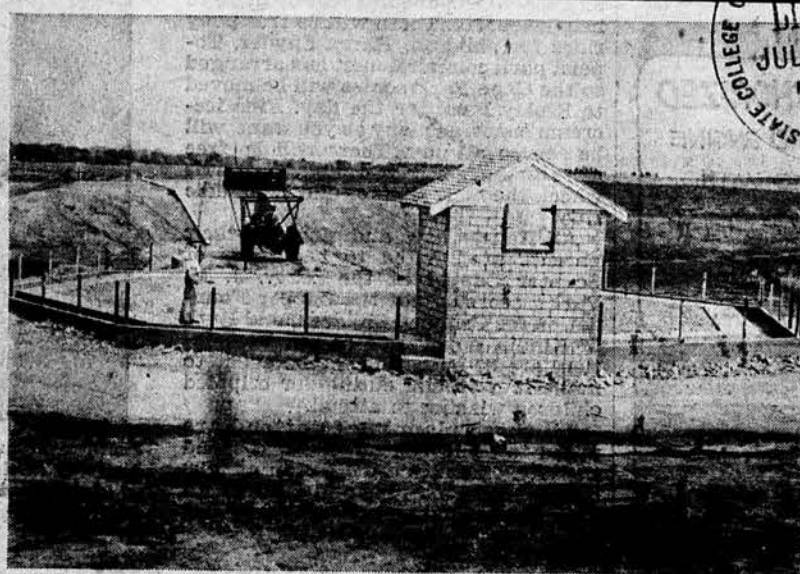


Kansas Farmer



UNUSUAL FEEDING ARENA has been built close to new trench silo at Fort Hays State Teachers College farm. Tractor and scoop seen between feeding arena and trench silo is used to bring ensilage from trench to bunks. Feed house will protect grain and concentrates from weather. Pipe or cable will be attached to upright pipes to keep cattle out of bunks and arena.



CANNED FEED for next winter remains in this 170-ton trench on Moore farm. Only a small amount of the feed was used this spring. It's a good feeling to know you have feed for next winter even before sorghum-planting time, say the Moores.

Silos Setting New Records

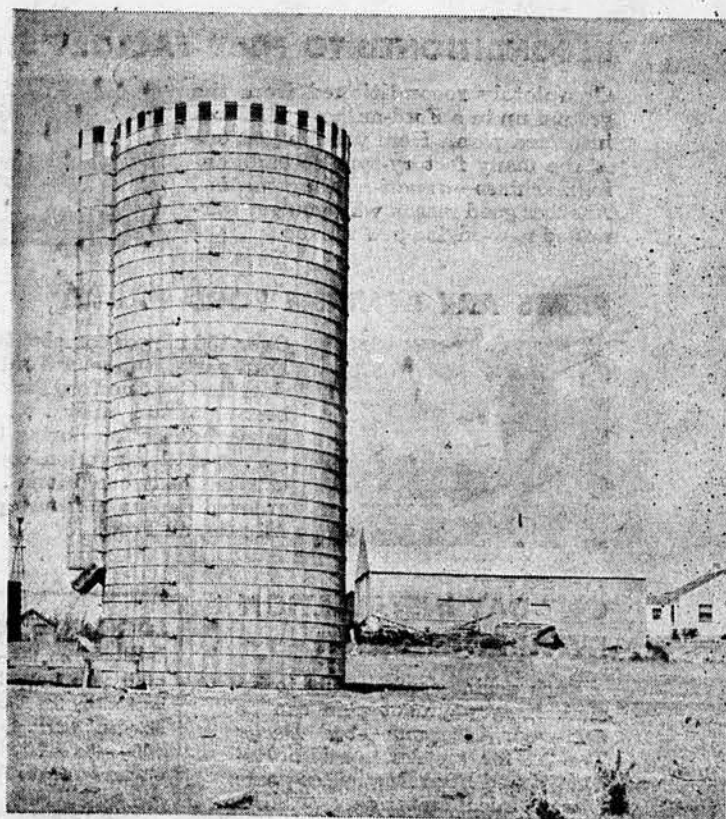
... Just the thing to help in livestock feed expansion

SILOS are popping up like mushrooms in rainy spring all over the wheatlands of Kansas. More silos were built in the western half of the state last year than ever before. And indications are even more will be built this year. Last year's huge forage crop helped push the silo program along. More acres of sorghum have been seeded this year. If the crop grows anywhere near as well as it did last year, more silos will follow in the wake of livestock feed expansion.

Embert Coles, superintendent of the Colby branch experiment station, reported there were more silos built in that area a year ago than he would have dreamed possible before. The same thing holds true in counties near the center of the state where summer-fallowing is more of an occasional practice.

Helping the movement along has been the new, modern field chopper. Filling silo once was a back-breaking job. Loading 10-foot bundles onto a wagon, then tearing them apart to get them off the wagon and into the silage cutter, was a far cry from child's play. Advent of the self-loading binders during the war

[Continued on Page 26]



NEW UPRIGHT SILO was built a year ago by Gerhart Spreen, Ellis county. It provided feed for 40 head of cows and spring calves last winter and 16 feet of silage remained for next year. It is 16 feet in diameter and 40 feet tall. He says now he could use an even larger silo.

- **How Social Security Works**.....Page 7
- **When Should Cattle Get Cake?**.....Page 8
- **What Is Hitting Alfalfa Stands**.....Page 11

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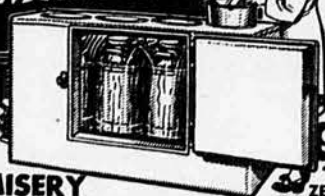
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Come to Topeka for Senator Capper's Birthday

SENATOR ARTHUR CAPPER will celebrate his 86th birthday this year with his 44th annual party in Topeka. He is looking forward to seeing all his friends, young and old, at the all-day picnic at Ripley Park.

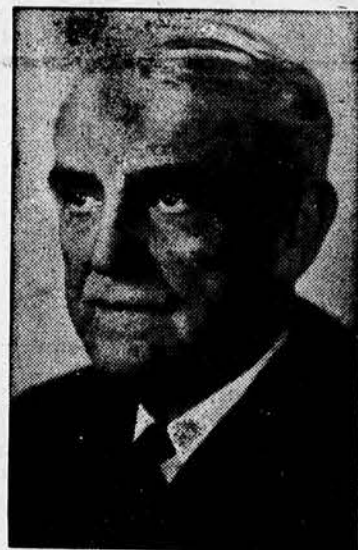
"We are making plans for one of the largest and best picnics we've ever had," said Charles Johnson, of Capper Publications, who is in charge of the party. WIBW will broadcast during the noon hour and the Senator is expected to give a talk to his Kansas listeners. He will play host at his party, and other Capper folks will be there to help celebrate. There will be free pony rides for children. Harry Snyder, Topeka park commissioner, has arranged so the Gage Park ponies will be moved to Ripley Park for the day. Free ice-cream cones, as many as you want, will be served all day. There will be free rides on the merry-go-round, the Ferris wheel, the merry-mixer and the kiddie ride.

All Kansas boys and girls and their parents are invited to be guests of Senator Capper at the party. J. M. Parks, secretary of the Capper Foundation for Crippled Children, and Ruth McKinnis, supervisor of the Foundation, are co-operating in the event to make it a special outing for crippled children wishing to attend.

All those planning to attend are urged to bring box lunches and spend the day. The picnic will begin at 9:30 o'clock in the morning and continue all day. This annual birthday party has

been a favorite celebration for many thru the years. As usual, there will be plenty of drinking water and there will be a first-aid station on the grounds.

Mark the date and place on your calendar—Saturday, July 14, at Ripley Park, Topeka. Celebrate the anniversary with Senator Capper.



Senator Arthur Capper celebrates his birthday at the annual Capper picnic at Ripley Park, Topeka, on Saturday, July 14.

Here's What Happened To the Strawberry Crop

By **WILLIAM G. AMSTEIN**, Kansas State College

A COMMON question in recent weeks has had to do with failure or near failure of the 1951 strawberry crop. Most strawberry plantings produced too many nubbins or deformed berries. In most years strawberries in Kansas are a dependable crop. They are managed or "neglected" under a wide variety of arrangements and still produce good yields. This year most growers reported disappointing yields regardless of age of planting, variety or system of management.

As much space could be devoted to attempting an answer on the strawberry crop failure as has been given to loss of the 1951 wheat crop in some areas. Weather (moisture and temperature) in the fall, winter, and spring; insect damage and the possibility of red stele or other diseases can also be added to the list of probable reasons for the poor yield.

Last summer most plantings did real well and extra-wide plant rows were established; too wide in most plantings. Many plantings where the matted-row system was used the row had disappeared and the whole area had become matted. Fruit buds usually are formed in September and October. Last fall extra-dry weather prevailed and continued thru most of the winter. No doubt this combination reduced winter hardiness of both plants and fruit buds, especially in plantings that had been allowed to grow unchecked.

Cold Hurt Fruit Buds

Extremely low temperatures occurred in November without much previous freezing weather. This no doubt resulted in winter damage to fruit buds since few plantings were mulched at this time. Experimental work has repeatedly shown the value of mulching previous to severe freezing weather in early winter to protect fruit buds.

Information from the November, 1950, Kansas weather summary shows that a -9° reading on November 2 was recorded at Oberlin. This was lowest November reading since the Armistice Day freeze of 1940. New low daily temperature records were established at several Kansas stations on November 10 and 24. High winds on these dates made the cold more penetrating. Likewise on December 6 and 7 severe low temperatures were recorded and again on January 26 or 27 -15° and -19° following extra-high readings a few days earlier were reported. We know the 1951 peach crop was lost or badly injured at this time in many sections of Kansas. Along with these low tem-



"Got to clean up my strawberry patch now for 1952."

peratures a shortage of moisture further increased chances for fruit bud injury reported by thousands of strawberry growers.

Consider Many Factors

Other factors to consider are low temperatures at bloom time, poor pollination weather and insect as well as disease damage. Work done in several states indicates many strawberry plantings are often damaged by stink bug, tarnished plant bug and other insects with heavy reduction in yields. Where insect control was secured much better yields were reported. Rootworms, leaf-rollers, grasshoppers and other insects also have been noticed in many plantings this spring. Leaf spot, red stele and an unknown disease have been observed or reported from many plantings. This lack of plant vigor naturally cuts down yield and quality.

Regardless of our 1951 strawberry crop yield, plantings that are to be carried over for 1952 should be cleaned up, rows narrowed down and plans made to keep leafrollers and other insect or disease problems under control. A narrow matted row is a much more profitable system for handling strawberries than allowing them to grow unchecked until no rows are visible. Of all our fruit crops, strawberries are the best adapted. Let's give them good summer care so they can come back next year with a good crop.

Jot It Down

I keep a notebook containing household data, such as curtain measurements, number of rolls of wallpaper required for each room, room size, and so on. This proves helpful when replacing necessities.—E. A. K.

Kansans Active In 4-H Tractor Project

Nearly 180,000 volunteer local 4-H Club leaders and members in 47 states have received training in the 4-H Tractor Maintenance Program since its inception in 1945. Kansas was represented recently at a regional conference in Omaha, Neb., for 4-H leaders, agricultural engineers and USDA officials. The National Committee on Boys and Girls Club Work reports in the 8 states represented at the meeting, enrollment of club members in the Tractor Maintenance Program has increased 253 per cent between 1945 and 1950. Also, project completions by members reached a new high last year of 83 per cent.

Kansans attending the meeting were G. M. Busset, assistant state club leader; J. M. Ferguson and H. E. Stover, Extension agricultural engineers of Kansas State College, and W. G. Ingraham, automotive engineer of the Standard Oil Company (Indiana), Wichita.

There's Cash in Beeswax

Since beeswax is essential in protective coatings of many items used in the military expansion program, it has become one of the relatively scarce materials. The price has gone up to the highest point reached in many years.

Those with beeswax on hand will want to take advantage of the good price, as well as get the wax into channels of trade where it will be of most use. You can get a list of large buyers of domestic beeswax by writing the American Beekeeping Federation, Atlantic, Ia.

Cattle on Pasture

Blue Stem and Osage pastures of Kansas and Oklahoma received about 10 per cent more cattle and calves this spring than last year. According to U. S. Bureau of Agricultural Economics and Kansas State Board of Agriculture, spring receipts were estimated at 369,000 head, compared with 335,000 in 1950. The 10-year average (1940-49) was 341,000 head.

New Farm Editor

Dale W. Fields, of McPherson, has joined the Topeka Daily Capital as farm editor. He replaces Glenn Tabor, who recently resigned to become director of aeronautics for the Kansas Industrial Development Commission. Mr. Fields received his journalism degree from the University of Kansas last month.

Kansas Safest State

Kansas won the grand award in the 1950 national pedestrian protection contest of the American Automobile Association. Wichita won a similar title for cities over 100,000. In addition to the grand award, Kansas won first place in the population group of the contest.

Senator Capper on Radio

Every Sunday afternoon at 12:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

KANSAS FARMER

Continuing Mail & Breese

121-123 West 8th St.

Topeka, Kansas

Vol. 88, No. 13

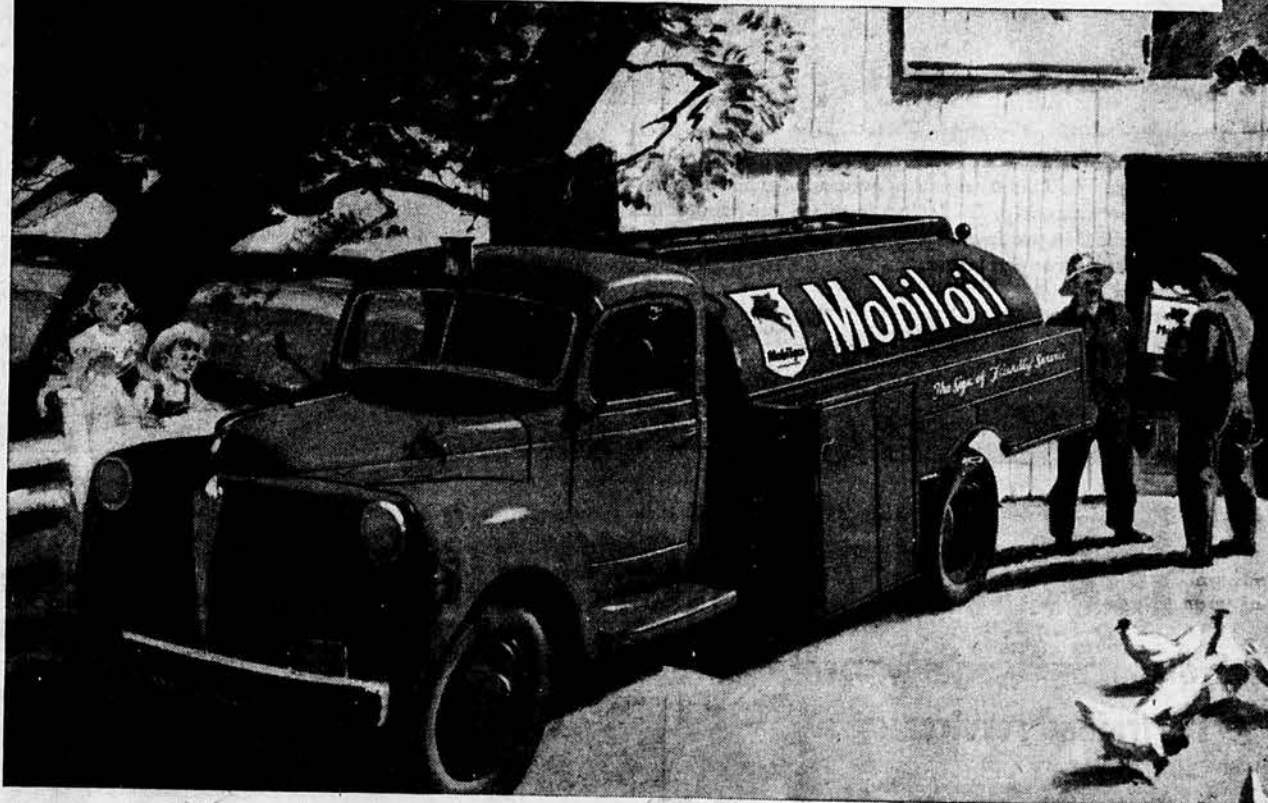
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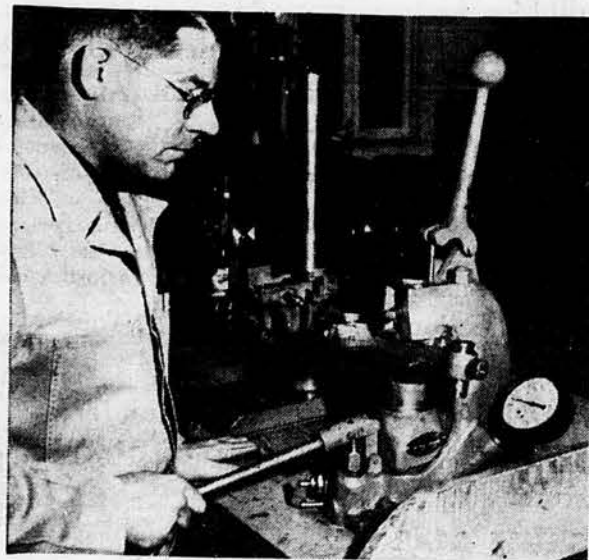
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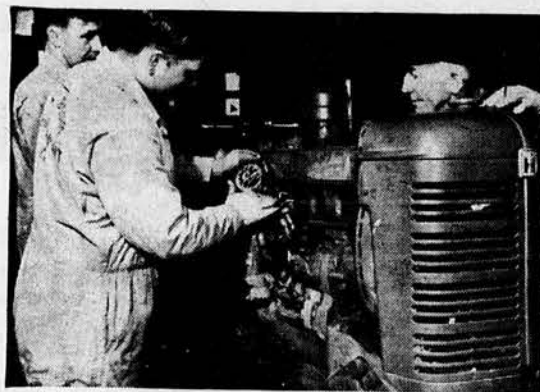
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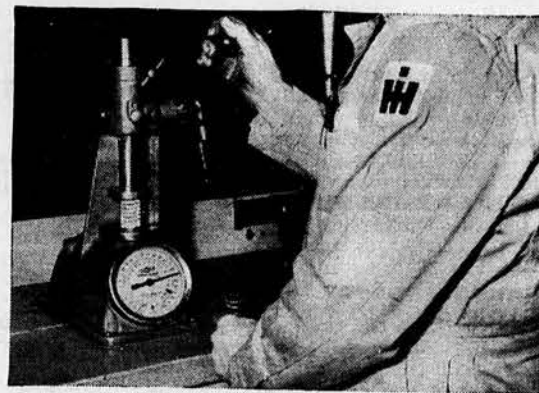
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use precision equipment
to do Blue Ribbon Quality work
in less time... at lower cost



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They detect worn parts with tools like this valve spring tester. Weak springs which don't seat the valves properly may cause loss of power or valve failure. Here again testing rather than guessing can ward off unnecessary delays and costly repairs.



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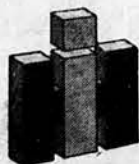
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Thoughts TO LIVE BY

Stop Worrying

NELS FERRE tells about one of his wife's dreams. She thought she was back in a college classroom with the assignment of an English theme on "How to Stop Worrying." Her pen moved as if it was inspired, and she wrote at a feverish pace. When she awakened, she could not remember what she had written, but fortunately, she could recall the three points of her outline: *Worship, Work and Wait*. What more valuable suggestions could one give to a person who wanted to stop worrying than these?

Consider worship. Believing "all things work together for good to them that love God," enables a man to be grateful for everything that comes to him. A broken arm may be a greater blessing than a gift of money. Thank God instead of worrying about the handicap. It is assumed the man who trusts in God will not be disappointed. That does not mean everything will go well, humanly speaking, but it does mean God's ways are always best, and that in accepting them a man can live in adoration.

It was observed by John that "perfect love casts out fear." He also knew that "God is love." Therefore, the man who lives in God lives in love and that helps him in his conquest over worry. To worship is to find peace and power in the presence of God.

Work can be a help or a hindrance.

If working to get ahead means merely to get one's self ahead, it can cause much anxiety. But if work is a means of altering the situation that needs changing, if it harnesses one's energies, and expresses one's purpose, it is a wonderful blessing. A bereaved person can brood upon his tragedy which seems to make it worse, or he can find solace in work, plain physical labor. It is hard on an automobile to stand still with its motor racing. Let it pull its load. That is what it was built for. An active mind is a strain on an idle body. Harness the mental energy.

Waiting is one of the most difficult steps in overcoming worry. Being driven is one of the symptoms of anxiety. How can one possess his soul in patience? There is no easy answer. One must develop patience as a gardener does a delicate flower. It needs much cultivating. Here worship and faith come to one's assistance. The man who knows God can afford to wait. On the other hand, the zeal of some reformers may be disguised atheism.

Once upon a time, there was a man who planted a seed in the ground and then waited. His patience was rewarded with one of the greatest discoveries in history. If a man will plant a seed and wait, something will happen. The good earth and the warm sun will do their part. So also, if a person will worship, work and wait, something will happen. There are forces in God's universe that will develop peace of mind.

—Larry Schwarz.

Antibiotics and Sulfonamides

By CHARLES H. LERRIGO, M. D.

NEXT to the physician, the farmer is the one most concerned about antibiotics. He thinks of them in connection with his flocks and his herds, all the way from baby chicks given the latest nutritional developments (including "scientifically measured antibiotics") to the prize-winning animals about which he no longer boasts only of their top-flight sires and dams, but makes much of "antibiotic cultural advantages."

So what are antibiotics? Having given them due attention as to crops and other produce, what have they to do for human beings, and what about the awe-inspiring names of new antibiotics that confront us month after month, almost week after week. Are they the same as the well-known sulfa drugs?

The question is not so far amiss, for the effect produced by both lines of remedies are to slow down the action of attacking bacteria. In checking development they halt the usual growth and multiplication of the disease bacteria. Thus they check the progress of disease, the development of the attacking germs being smothered so they

cannot throw out the poisons that are likely to overwhelm the life forces of the patient. This gives him a rallying time for his own fighters, the phagocytes of his blood cells, to destroy the invaders.

But the sulfa drugs are of known chemical origin whereas the antibiotics are from a multiplicity of sources, the popular penicillin, for example, being from the mold known as penicillium notatum. You may have heard it said that penicillin came from a moldy melon. These remedies are not drugs in the common use of the term. Bacteriologists who study them find only a few can be made safe to inject into the blood stream of the human body. Many are too toxic for use in human beings. There is danger in using them incautiously.

Streptomycin, terramycin, aureomycin or other preparation used safely in treatment of your stock might react with poisonous effect in the human body. I urge rigid avoidance of self-prescribing in use of antibiotics. One also must remember that susceptibility of micro-organisms to antibiotics varies greatly.

Hints About Normal Weight

By CHARLES H. LERRIGO, M. D.

The news on "Long Life" I have just read is definitely sure as to one point. One inexorable handicap to living long and well is that of carrying too much weight. This reminds me that our special letter, "Hints About Normal Weight," says definitely there is a normal weight for you. It may not be exactly that of some other individual of your size and age, but you must find out what it is. Get up to it or get down to it, and stay by it.

Any interested reader may have a copy of the letter "Hints About Normal Weight," by sending a request with an envelope addressed to himself, bearing a 3-cent stamp, to Dr. C. H. Lerrigo, care of Kansas Farmer, Topeka.

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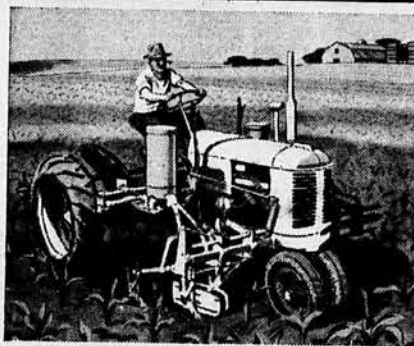


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Next time you cultivate corn or sorghums, side dress with Phillips 66 Ammonium Sulfate (21% Nitrogen) or Phillips 66 Prilled Ammonium Nitrate (33% Nitrogen). The money you invest in these good fertilizers will be returned to you many-fold in increased crop yields. Ask your regular supplier for Phillips 66 High Nitrogen Fertilizers. Phillips Chemical Company, a Subsidiary of Phillips Petroleum Company, Bartlesville, Oklahoma.

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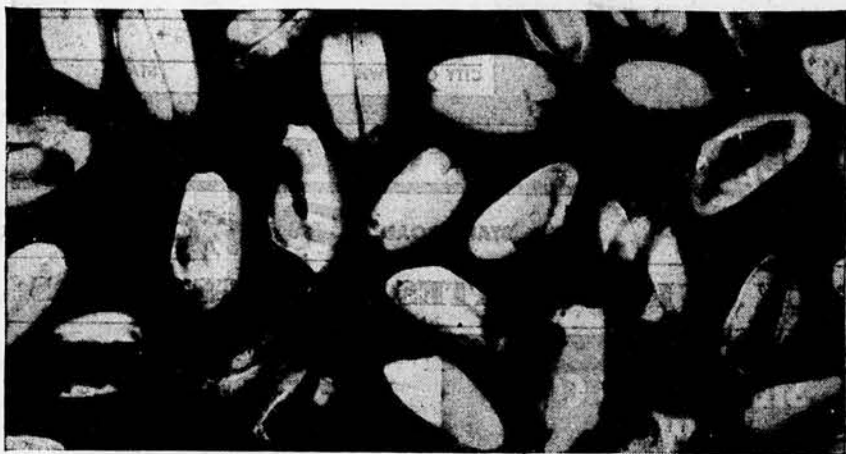
You'll be seeing more and more of Phillips 66 High Nitrogen Fertilizers... both Ammonium Sulfate and Prilled Ammonium Nitrate. Phillips also produces Anhydrous Ammonia (82% Nitrogen) for direct or irrigation application.



Now... Let's stop TALKING about Weevil Damage in stored wheat



This looks like insect-free, high quality wheat — the kind that brings top prices. But look at the X-Ray photo below. Hidden weevil infestation has greatly lowered the value of this wheat.



An X-Ray photo of the wheat pictured above. The dark areas are cavities eaten away by weevils. The weevils themselves look like small white grubs. Pyrenone WHEAT Protectant can prevent this costly weevil damage.

***Here's how much
Weevil Damage
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WRITE TODAY FOR COMPLETE DETAILS

A free booklet "Prevent Weevil Damage in Stored Wheat" gives complete details on Pyrenone WHEAT Protectant. Use the coupon below to order your copy.

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HERE'S HOW...

Hidden weevil infestation in your wheat can cost you as much as 45¢ a bushel on \$2.00 wheat. The higher the price, the greater the loss. Even a very light weevil infestation can cost you 6¢ a bushel in shrinkage and dockage losses.

At last, a practical, economical method has been discovered to cut this huge loss. Pyrenone* WHEAT Protectant, a powder that is mixed with wheat when it is harvested or stored, gives effective protection against weevil infestation for many months.

A PROVEN PRODUCT

Extensive demonstrations in actual farm and elevator usage have been conducted in Kansas, Oklahoma, Montana and Oregon. These tests have shown conclusively that Pyrethone WHEAT Protectant is extremely effective in controlling weevil infestation in stored wheat.

USE IN ANY TYPE STORAGE

You can store your wheat in quonset huts, abandoned airplane hangars, machine sheds, or any improvised shelter. Pyrenone WHEAT Protectant does not need air-tight bins. Masks and gloves are not necessary. There is no danger of poisonous fumes, skin burns or explosions. Pyrenone WHEAT Protectant is not a fumigant.

SEASON-LONG PROTECTION

One application of Pyrenone WHEAT Protectant lasts for a complete storage season. No repeat applications or turning operations are necessary. The chart below shows you how weevil infestation cuts into your income. Even a light infestation can cost you 6¢ per bushel. Protect your profits—protect your wheat with Pyrenone WHEAT Protectant... NOW.

Cost Per Bushel of Insect Damage (Four Months' Storage)

A dark, high-contrast, black and white image showing a grid-like structure, possibly a table or a form, with faint horizontal and vertical lines. The image is heavily underexposed, making details difficult to discern.

Kansas Wheat Improvement Association figures based on studies conducted by the U.S.D.A. — computed for \$2.00-per-bushel wheat.

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When Should Cattle Get "Cake?"

Jim Leathers, county agent, is giving Cowley county cattlemen this and other feeding answers in his protein-testing laboratory

By DICK MANN

IS IT POSSIBLE to take guesswork out of how much protein supplement cattle should have to balance roughage they are getting? Jim Leathers, Cowley county extension agent, believes it is.

"Until just recently," says Mr. Leathers, "farmers had to guess what fertilizers to use and how much. If you guessed either too much or too little you didn't get best results. By testing soil in a soils laboratory, we now can tell exactly what kinds of fertilizer soil needs and how much."

"There isn't any reason why we can't do the same thing with protein needs in feeding rations."

"We think the answer to accuracy in feeding rations is a protein laboratory to test protein content of roughages," says Mr. Leathers. "We have installed equipment and are now ready to give farmers in Cowley county the answer."

The idea of a protein-testing laboratory was born during a cattlemen's meeting at Winfield last spring. Lot Taylor, Kansas State College Extension livestock specialist, was telling Cowley county cattlemen

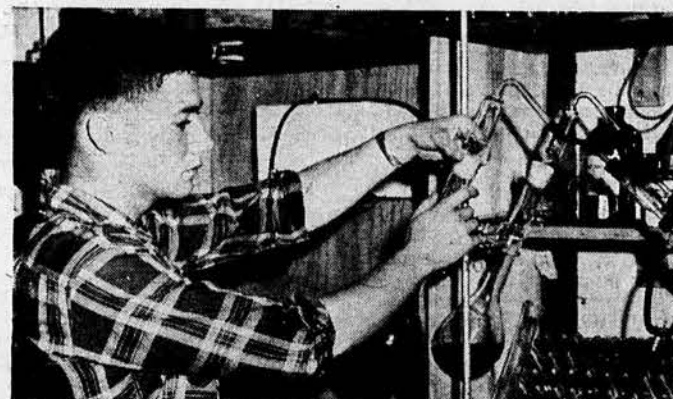
experiments at Manhattan showed when protein content of pasture grasses falls below 7 per cent, cattle should get some protein supplement. "A point between 6½ and 7 per cent protein is definitely the cake line," Mr. Taylor pointed out. But what he couldn't tell Cowley county cattlemen was the exact date when their grass would fall below the "cake line."

As Mr. Leathers puts it, "Such information is very valuable if you know when to use it. Bankers lending money on cattle would like very much to be sure a farmer is feeding cake on grass as soon as cattle need it, but they are just as eager that he not waste cake by feeding it long before it is needed."

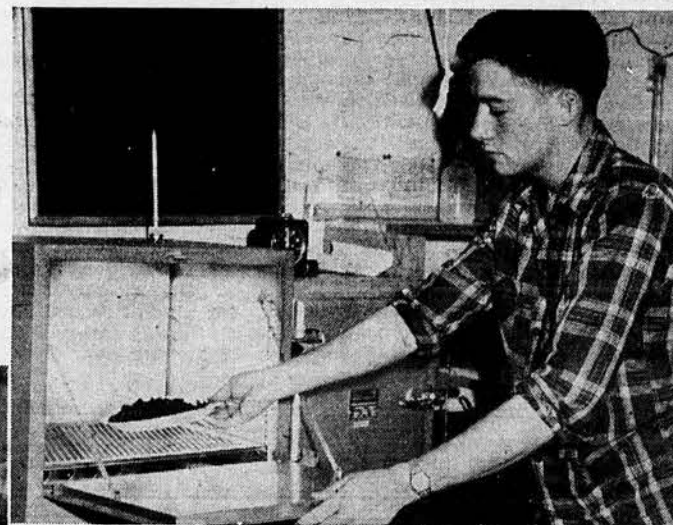
"That was just one problem brought out at the meeting. One farmer in the group then gave us something else to think about," Mr. Leathers continues. "He was feeding a bunch of 1,200-pound steers and had been giving them the very finest alfalfa hay. But he was just about at the end of his good hay supply and was going to have to finish out with some very poor alfalfa hay. [Continued on Page 21]"



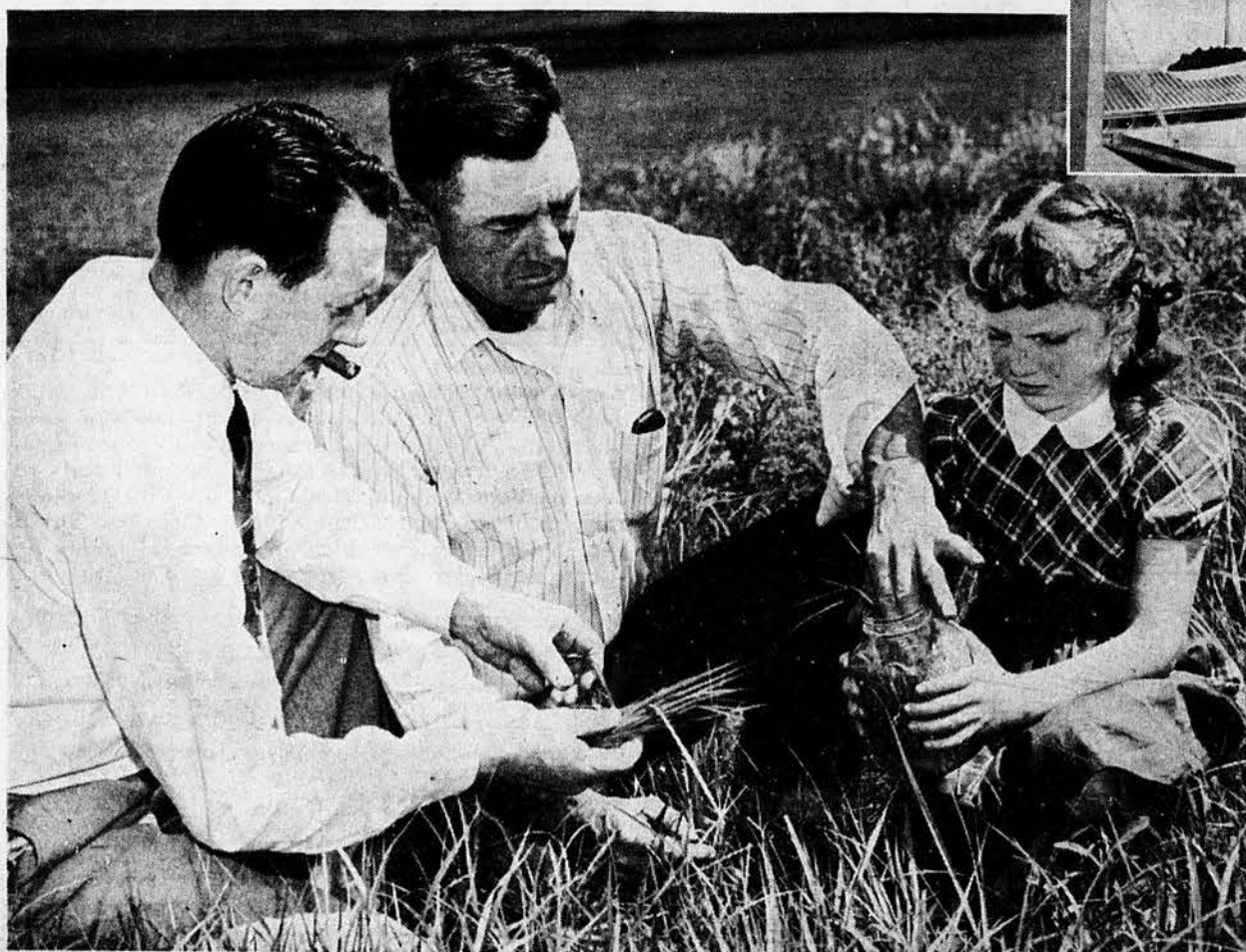
RUNNING GRASS sample thru meat chopper in protein laboratory at Winfield is Bill Glass, Jr., chemistry student at Southwestern. Sample later will be run thru small burr mill just to left of Bill's hand.



AFTER BEING GROUND to size of pepper flakes, grass samples are put in flasks like these, treated with acid, and put thru distilling process to determine protein content.



CHOPPED GRASS is baked in this oven until all moisture is removed. Oven also is used in making tests for mastitis.



TAKING GRASS sample for protein testing are County Agent Jim Leathers, left, and Irl Johnson and daughter, Judy. A protein-testing service is the newest thing in Kansas agriculture.

Farm Matters

AS I SEE THEM

AT THIS writing it seems a reasonable assumption that Congress will not permit the second (August 1) and third (October 1) rollbacks in beef cattle prices, ordered by Mr. Michael DiSalle, OPS, to go into effect. Legally, Mr. DiSalle's OPS is barred only from issuing any orders fixing price ceilings, during the month of July. A few hours before the old Defense Production Act (including price controls) expired June 30, Congress passed and the President signed a bill extending the Act thru July, with any new rollbacks barred during that month.

During this month Congress will work on a revised DFA, which is expected to ban the August and October beef cattle price rollbacks, and limit severely any other rollbacks in ceiling prices. President Truman signed the temporary extension act just 8 hours before the old act expired (midnight, June 30). OPS hurriedly threw out orders fixing ceiling prices on a number of commodities before the June 30 midnight deadline. A Senate-passed bill, waiting House and conference committee actions, protects against any more livestock price rollbacks.

But last week the House committee approved an Administration recommendation that to my mind strikes at the very foundations of our American way of life. If enacted and used—and if enacted it will be used—this provision could pave the way for the ultimate complete socialization of business and industry in the United States.

This provision practically is the same as in the Spence (Ky.) bill of 1949, which failed of approval in that session of Congress. It would authorize the President to put the Government into any business, if, in his opinion, private operators were unable or unwilling to produce goods or services within price range established by Government edicts or regulations.

For instance, if cattle producers and/or feeders were unable or unwilling, in the opinion of the President, to sell cattle at prices which would allow slaughterers and distributors to

handle beef within the retail price ceilings, the President could take over cattle in the name of the Government. You may remember President Truman "considered" such a program in 1945.

The proposal would cover all lines of production and distribution—steel and products made of steel, shoes, all foodstuffs, appliances, everything manufactured and distributed. The language of the section is "highly suggestive," Frank Hanighen points out in the current issue of his Human Events pamphlet, of Article 67 of the Soviet Constitution. I cannot conceive of the Congress approving any such program. The House committee approved it by a strictly party-line vote, as I read the newspaper reports.

Some 2 weeks ago, President Truman in a radio address to the Nation, asserted continuation and "strengthening" of the Defense Production Act controls are imperative if consumers are to be protected against "high prices"—inflation.

Friends, I don't like to seem too highly critical of the President of the United States. But stripped of camouflage, a French diplomat, Talleyrand, said that "language is the art of concealing thought"—this is what crafty rulers have sought all thru history; complete power over the lives and living of their peoples. Always they ask for more power.

Strictly on its merits, Congress is not going to give the Chief Executive authority to seize or construct plants, to buy and sell commodities and products; to direct production and distribution generally. So, the President seems to have decided to get these additional powers indirectly, thru appealing to the fears of the people that inflation may destroy their savings and the purchasing power of their dollars.

I think President Truman either misunder-

stands or misstates the relationship of inflation and high prices. A lot of people do. They think high prices cause inflation; therefore if prices are ordered held down by government control of official prices of commodities, that will end inflation.

That is not true. High prices are not the cause of inflation. High prices are one of the effects of inflation.

"Inflation" is not the rise in the price level; inflation is an increase in the volume of circulating medium (currency and "checkbook" money) in relation to the existing volume of trade.

I cannot go along, either, with the assertion that when price controls were removed in 1946, "we had the biggest wave of price increases in modern history." As Dr. Wilford I. King, in a pamphlet distributed by the Committee for Constitutional Government, explains it this way:

"What really happened when the OPA met its demise was that the price indexes (which had been computed from fictitious nonexistent prices) rose. But the real prices (black market) which people had to pay for such things as meat fell sharply, shortage disappeared as if by magic, production increased, and the average citizen was able to enjoy more of the good things of life."

Price controls, my friends, are a long mile on the road to power over the lives and living of people. I remember back in 1936, the late President Roosevelt sent a message to Congress, in which he said: "We have built up new instruments of public power," which in other hands "would provide shackles for the liberties of the people."

Price controls are among those shackles.

Arthur Capper
Topeka.

Are You Losing Your Freedom?

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

UNLESS a doggedly determined Congress reverses itself before July 31, the second (August 1) and third (October 1) beef cattle price rollbacks will never go into effect.

Eight hours before the June 30 deadline for expiration of the old Defense Production Act—including price control powers—President Truman signed reluctantly a temporary act extending the old act for 30 days.

But the extension resolution included a provision prohibiting any new rollbacks by OPS during the extension period. And a Senate-passed revised DPA, still waiting House action and final conference committee approval, specifically prohibits the August and October beef cattle price rollbacks.

The following may or may not be interesting reading—but its importance is beginning to be realized by more and more people, particularly by those generally tagged as "middle class." It could be noted that the first objective of modern totalitarian governments is (1) to destroy the middle class thru inflation; (2) to liquidate such members of that class as show individual initiative and courage.

A public letter in the Washington Star of April 24, signed "Service Wife," is significant. The letter was captioned by the editors: "Inflation's Great Threat to America."

The lady wrote: "The nightmare that worries me—and many of my acquaintances—is much less dramatic than a war with the hordes of Asia. It is that—in a continuing condition of fringe wars and cleverly manipulated hot and lukewarm crises—this Nation will slowly and covertly undergo an internal revolution.

"Inflation could bring about such a

revolution. Look at the middle class of this country. Look at the punishment that has been taken by salaried workers, the pensioners, the little business men, the professional military men and the Reservists, and all who find themselves without an 'escalator' and a powerful lobby, and whose only walls against inflation are disappearing savings accounts.

"The middle-class man, who grew up in the belief he could achieve for himself and his family a status at least as comfortable as his father's, and who now cannot provide for his children as his father provided for him, is a new

creature in our society. Opportunity, for him, is gone. Honesty, diligence, prudence, education—the middle-class virtues—are no longer enough.

"Honest conservatism in politics gets him nowhere. The edges of his tolerance toward the other social groups are rubbed off, and his nerves are pricked at every reminder that other people are making a killing on the inflation at his expense. . . . Give him a few more years of inflation and he will actively seek vengeance somewhere, somehow."

To those not yet consciously affected by inflation—cheaper and cheaper dollars—the woman's plaint may seem overdrawn.

Here's an Example

But in the current issue of Monetary Notes, published by the Economists National Committee on Monetary Policy, Walter E. Spahr, who heads the committee, reprints the following from an address he delivered in Washington, D. C., last month:

"Perhaps one illustration will suffice to show the subtle aspect of the weakening process inherent in an irredeemable currency (based only on a government's promise to pay one paper dollar with another cheaper paper dollar), and also how the public fails to react strongly because of lack of understanding of this process.

"The total loss, because of a depreciated dollar, on the average value of life insurance policies, time deposits in banks, and E, F, and G savings bonds for the years 1941-1950 (in 1950 dol-

lars as compared with 1941 dollars) amounted to \$116,565,524,000.

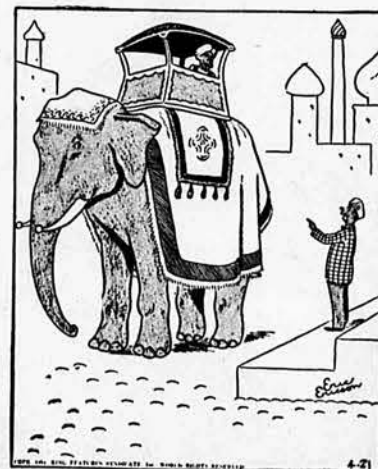
"This huge loss, lightly regarded because so poorly understood, stands in sharp contrast to the officially estimated total loss of \$1,901,000,000 by depositors in suspended banks in the years 1921-33.

"Regarding the latter loss, extending over 13 years, and which is only 1/61 of that over the 10 years on the 3 items mentioned (insurance, savings deposits, government bonds) we still write and speak with emotion for the reason, apparently, that the meaning of that loss (thru bank failures) was brought home to us in a manner we could understand.

"But regarding a loss more than 61 (Continued on Page 22)

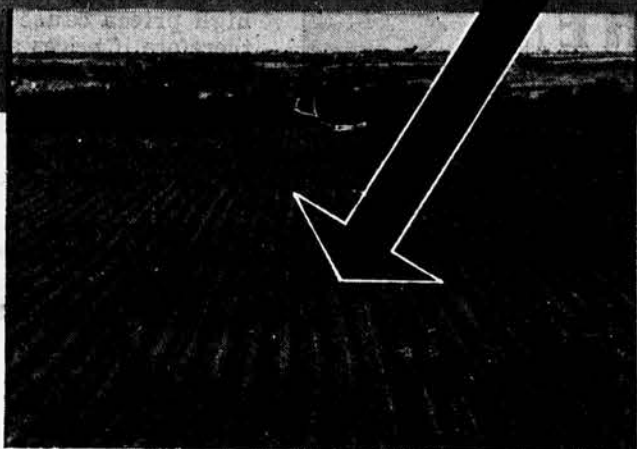


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Article No. 6

We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS

TRAVELING north from Gardiner, Mont., we were impressed with the variety of scenery, the productivity of the state which ranges from agricultural crops, livestock, lumber to rich deposits of minerals. No wonder Montana, which ranks third in size, is called the Treasure state.

Glacier National Park, located in the rugged Rockies of Northwestern Montana, was set aside as a national park in 1910. Comprising 1,583 square miles, the park is outstandingly beautiful glacier-carved country, from which the name is derived. The geologist finds much to interest him, because of the manner in which the region was formed. During the Great Ice Age vast sheets of ice, hundreds of feet thick, covered this part of the country and ground away the steep mountainsides leaving U-shaped valleys that we see today. The great glaciers have vanished, but in the high pockets of the mountains there remain 60 small glaciers, left from the Later Ice Age which occurred some 4,000 years ago. Trips to a few of these glaciers are conducted by Park rangers, and several are visible from viewpoints along the main highway thru the park. Glacier Park is not surpassed by any other region for its majestic mountains, lovely lake, sparkling streams and waterfalls.

Snow Until August

Connecting the east and west entrances is the "Going to the Sun Highway," the only well-improved road traversing the park. Other roads are secondary and many sections may be reached only by unimproved roads and ranger trails. Although some parts of the park remain open all year, the "Sun" highway is not opened until June 15, and great banks of snow remain along the highway on August 1.

We entered the park by the west entrance, camping at Sprague Creek Camp which is located in a beautiful setting on the shore of Lake McDonald. During the night some campers were annoyed by a bear, but we were safe and snug in our car. As we traveled the "Going to the Sun" highway we passed thru virgin forests beside the lake and thru the valley, climbing by way of switchbacks, easy grades and tunnels, until we reached Logan Pass, one of the scenic stops along the route. Here, great fields of glacier lilies delight the eye. The plant is similar to our dogtooth violet, except the color is canary yellow. Most striking flowers in the park are patches of bear's grass found in all parts, whose club-like flower stalk reaches a height of 3 feet covered with a mass of tiny white lilies.

One chief attraction at Logan Pass is a powerful telescope, which the ranger on duty keeps trained on a group of white mountain goats. These agile animals spend their days foraging for food on the steep rocky crags of the mountainsides. Several hikes conducted by rangers start from Logan Pass. One of the most popular is the 3-mile hike to Hidden Valley. Climbing up the slope of Mt. Reynolds, the walk leads across fields of slippery melting snow, up and up, until the top of the steep ridge of a moraine, pushed up by ancient glaciers, is reached. After one is able to recover his breath, which he lost in the steep climb and thin air, he is able to enjoy the magnificent view of rugged mountains, lakes and valleys.

Down a Steep Bank

We were told the spot on which we stood marked not only the Continental Divide, but the Hudson Bay divide as well. At one point of the trip, it was necessary to slide down a steep snow bank. While the ranger and younger members of the party took off down the slope in ski fashion, we oldsters sat down on our coats and slid down feet first, leaving a well-defined trail in the snow. Soon we stood on a promontory looking down into Hidden Valley and Hidden Lake, 1,000 feet below us.

Nestling at the foot of the surrounding snow-covered peaks, Hidden Lake is a fisherman's paradise. Mammoth trout are caught in the lake as a reward to fishermen who make the long, hard trip. The cony or pika, a small animal that makes his home in the broken-rock heaps, was pointed out. This small creature also is called the haymaker. He lives in winter on grass he stores up during summer. The return journey was made in a more leisurely manner, but melting snow made the downgrade even more slippery than the climb and several of the party fell. (Next time I will take my overshoes along.)

Many visitors also include a trip to Waterton Lakes National Park, a continuation of Glacier on the Canadian side, then travel to Banff, Lake Louise and Jasper Park in the Canadian Rockies. But after talking with those who had made the trip and hearing of their experiences with road construction, we decided to postpone our visit to the Canadian Rockies until another time. We took highway No. 2 which skirts the boundary of Glacier Park on the east and south. Called the Theodore Roosevelt highway, it is being widened and improved. En route to Kalispell we watched the giant construction in progress at the site of the Hungry Horse dam.

Getting Poultry Ready For Frozen Food Locker

By T. B. AVERY, Department of Poultry Husbandry, Kansas State College

USE of frozen food lockers has developed into an excellent means of utilizing surplus poultry. All classes of poultry are suitable for freezing. However, only poultry of high quality should be used for storage. Having birds properly prepared for freezing is of paramount importance. Before killing, starve birds about 12 hours. This makes evisceration easier and is thought to improve keeping quality slightly. Water should be kept before birds during the starving period.

Actual killing of birds may be done in several ways. The old-fashioned methods are to use ax, pull off head, or disjoint neck. Birds killed by these methods usually bleed only fairly well, and often struggle so bruises or broken wings result.

Most satisfactory method for bleeding is to hang bird by feet, then sever the two jugular veins and two carotid arteries of the neck by inserting a flat-handled knife having a blade 2 to 3 inches long into the throat. Immediately after severing blood vessels, knife is inserted into cleft of hard palate until it pierces rear portion of brain, then give knife a quarter turn. This tends

to loosen feathers. A blood cup should then be attached to the nostrils. As soon as the bird has finished flopping it is ready for scalding and picking.

Dry picking may be practiced, but requires considerable skill and time. Scald picking is usually followed. With this type of picking either the "hard scald" or "semiscald" method may be used. When hard-scalding, birds are immersed in water heated to 170° to 180° F. for 5 to 8 seconds. The "hard scald" does a good job of loosening feathers and is satisfactory when birds are to be consumed immediately. Skin on birds scalded in this manner discolors quickly and has a tendency to dry out. The "semiscald" method is most satisfactory. Recommended "semiscald" temperatures are these:

Turkeys 124° to 126° F. Fowl and Roosters 128° to 130° F.
Broilers 126° to 128° F. Ducks and Geese 145° to 150° F.

Hold birds completely under water 30 seconds. If skin shows burning or slipping, decrease time by 3 to 5 seconds. The quicker the bird is immersed in water after killing, the easier it will pick.

(Continued on Page 12)

What Is Hitting Alfalfa Stands

By CLAUDE KING, Extension Plant Pathologist
Kansas State College

IF WEEDY grasses begin to replace alfalfa plants in your stand, it is often due to either crown rot or bacterial wilt disease. Kansas had a large loss of stands in alfalfa in the summer of 1949. In these fields, growers got a good first cutting of hay. They were expecting a good second cutting but after the first, plants did not seem to grow and eventually died. Tap roots were rotted in the center from the top down.

In every case where death to plants occurred in spots in fields, the history of the spots showed they were either low places where water had stood the previous winter, or a place where a snowdrift had been. That winter there was a period of a few weeks when it would thaw in the daytime and freeze at night. The abundant moisture, with freezing and thawing, injured root tops.

The reason there was a good first cutting was because the soil had not been warm long enough for the soil fungi and bacteria to start to work. When it became warm, they started at top of the root at the injury and worked downward until enough of the root was killed to finish the plant. Crown rot also is often found where there is hardpan soil.

Crown rot is occurring on a large scale again this year, but in a little different manner than in 1949. This year we had much winter injury due to the drouthy winter which was particularly favorable to crown injury. We have had so much rain, crown rot is showing up before the second cutting and instead of the rot being down the inside of the root, the whole top 3 or 4 inches of the crown of the root is rotted. It has rotted so rapidly often this top portion is rotted and the root is still alive below the rotting. First evident symptoms is yellow or white leaves on much of the top growth.

Allow Top Growth

Do not cut alfalfa too late in fall so at least 8 inches of top growth is produced before plants go into winter. That is the only practical method of control, which is not a complete one but does help prevent crown rot. This practice fills roots with reserve food and enables plants to better withstand wet freezing and thawing weather.

Bacterial wilt disease does not cause rotting in center of top of taproot as does crown rot. In case of bacterial wilt, when top of the root is cut in two, a brownish-yellow ring can be seen a little distance in from the bark. A badly diseased plant is dwarfed, with a tendency towards an abnormally large number of short stems which are spindly, pale green in color. Also, leaves are considerably smaller than those of normal plants. Symptoms of wilt occur during growing season. In college test plantings at Manhattan, in 4 years of growth, Buffalo variety held its stand 100 per cent. Kansas Common stand was reduced to 25 per cent. Buffalo is a resistant variety, Common is not.

Buffalo is a Kansas State College developed variety. In most years its seed has been selling for about 2½

times the cost of Kansas Common. Reason for this is bacterial wilt is such a severe problem east of the Mississippi river, growers there have paid a good price to get Buffalo. On a Kansas farm (where a grower is interested only in soil fertility and hay from his alfalfa and where wilt may not be much of a problem) Kansas Common can be planted and left in the field for only 3 or 4 years. By growing it for only a few years in a field, the grower can have alfalfa on more fields in a period of time. This will build up fertility over the entire farm, give the farm many more pounds of nitrogen over a period of years.

Alfalfa builds most of its maximum fertility in 3 years and depletes the subsoil of moisture severely if left on a field for 6 or more years. If used in rotation for 3 or 4 years in this manner, a grower can get by bacterial wilt very well with Kansas Common. If he wants to grow seed, Buffalo often brings in a large profit.

Name Judges For Soil Contest

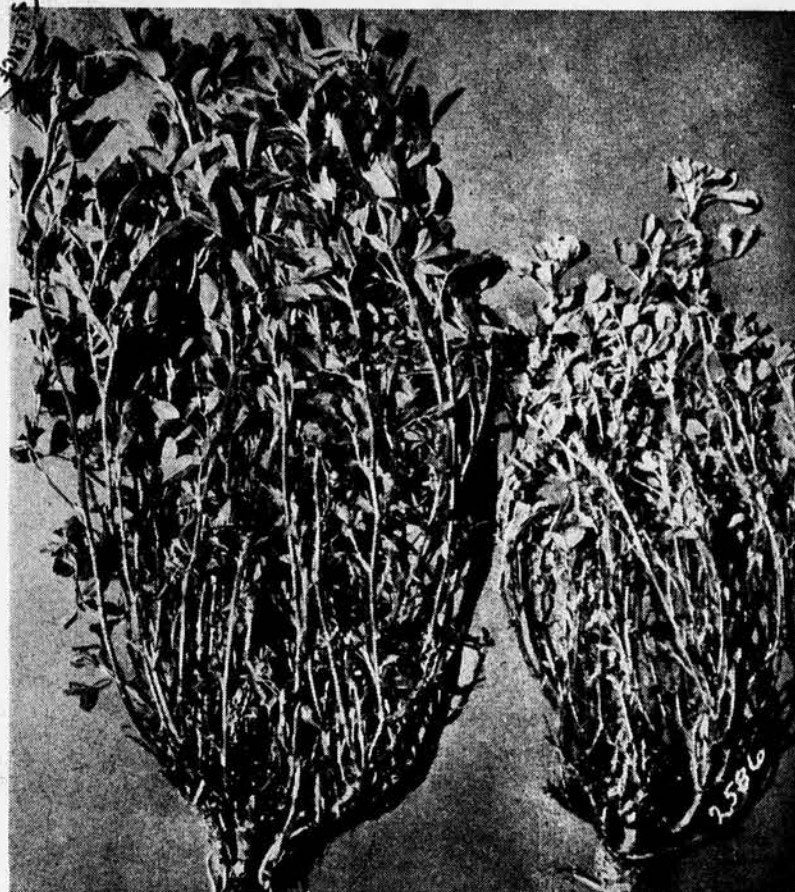
Five key men in Kansas conservation activities have been named judges to select Kansas winners for grand awards in the annual soil-conservation contest of the Goodyear Tire and Rubber Company, Akron, O.

Judges are R. C. Lind, Extension soil conservationist, Kansas State College, chairman; George Reinhart, chairman of State Soil Conservation Committee, Parsons; Emil W. Heck, president of the State Association of District Boards of Supervisors; Kling Anderson, Kansas State College agronomist, and William Teas, Assistant State Conservationist, Salina.

Winners of the contest will be announced in August. The state's outstanding soil-conservation district will be selected on basis of actual work records according to a uniform point system established for the program. Purpose of the contest is to stimulate increased practice of sound soil-saving ranching and farming methods. State awards will be made September 7.

Free Fair Adds New Pullet Division

The poultry department of the 1951 Kansas Free Fair at Topeka will feature a new and unique division—Fair Sample Production Flocks. The Kansas Poultry Institute comments it will be a competitive showing of samples of egg-production flocks. Each entry in this division is to consist of 5 early-hatched (1951 hatch) pullets that are in production at the time they are exhibited. The 5 pullets comprising an entry are to be of the same breed or variety, inbred line, or crossbreed. Several cash prizes are being offered. G. D. McClaskey, educational director for the institute, will serve as superintendent of the poultry department at the Free Fair, September 8 to 14, and invites inquiries.



AT LEFT IS a healthy alfalfa plant, and at right is a plant affected with bacterial wilt disease.

Kansas Flying Farmers Name New State Officers

SIXTH president of the Kansas Flying Farmers is John Poole, well-known Hereford breeder of Junction City and Manhattan. He was elected at the annual meeting of the group held at the Manhattan Municipal airport in June.

New vice-president of the flying farmers is Clarence Wilkens, Lorraine, and Mrs. William Janssen, McPherson, is new vice-president representing women. Re-elected secretary-treasurer for another year was Wayne Roesener, Manhattan. Bud Elkins, Wakefield, who served 2 years on the state board of directors as a representative from the second district, was named the third state delegate to the National Flying Farmers Association. Other national delegates are the new president and the immediate past president, Loren C. Bell, McDonald.

Two districts held business meetings immediately after the state meeting. District 1 named Bill Stolfus, Reading, to represent them on the state board, and district 7 elected Art Fry, Little River. Both will serve 2-year terms.

For the first time Kansas Flying Farmers named a queen candidate to represent the state at the queen contest at the time of the National Flying Farmers convention, which will be at Fort Worth, Tex., August 25 and 26. Mrs. Roberta Neel, Windom, has the honor of being the first Kansas Flying Farmer queen. She is the wife of Ailiff

Neel, who was third president of the Kansas group and has been active in National Flying Farmer affairs.

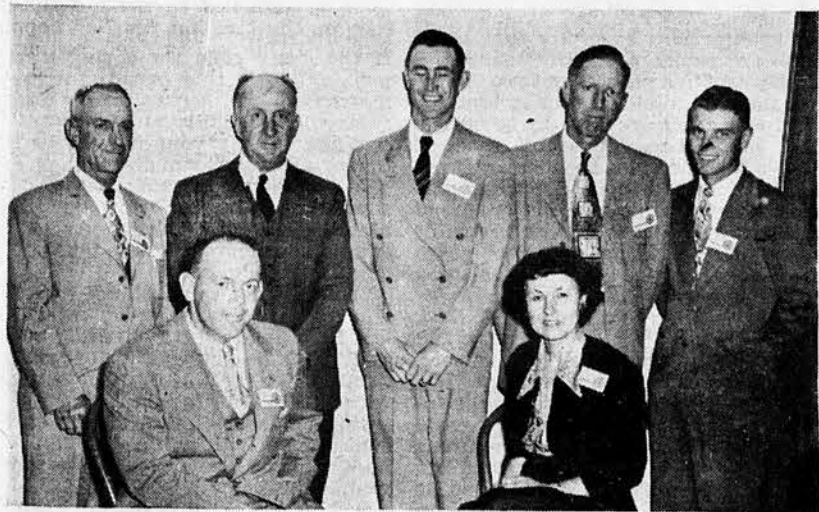
A heavy wind and rainstorm cut attendance at the sixth annual meeting. About 120 were present for the barbecued chicken luncheon held at the airport at noon the first day. Attendance for the banquet that night was closer to 150. Howard T. Hill, head of the speech department, Kansas State College, was the featured speaker for the evening program.

Tours of various departments of Kansas State College were planned for the Flying Farmers for the morning of the second day. Following these tours they met in the fieldhouse for a luncheon with James A. McCain, president of Kansas State College.

Sorghum Pellets

Dehydrated and pelleted sorghums retain their natural sugar and promise to make them a much more valuable livestock feed. A recent report by Kansas State College on research on a process of dehydrating sweet sorghums also indicates pellets enable companies to keep their dehydrating equipment in use from late August—when the last alfalfa crop is processed—thru October.

In addition to preserving the sugar content of sorghums, college specialists said dehydrated pellets are easier to handle, store and transport.



NEW OFFICERS of Kansas Flying Farmers were elected at sixth annual meeting at Manhattan, June 8. Seated are new president, John Poole, Junction City, and Mrs. William Janssen, McPherson, vice-president for women. Back row, left to right, are Art Fry, Little River, director; Bud Elkins, Wakefield, national delegate; Wayne Roesener, Manhattan, secretary-treasurer; Clarence Wilkens, Lorraine, vice-president; Bill Stolfus, Reading, director.



KANSAS QUEENS: These ladies of Kansas Flying Farmers were elected from various districts over state to vie for honors to represent Kansas at National Flying Farmer convention this summer. Elected from Kansas was Mrs. Roberta Neel, Windom, back row, extreme left. Others in back row are Mrs. June Speer, Dighton; Mrs. Beatrice McKee, Rexford, and Mrs. Pearl Mehl, Kinsley. Seated at left is Mrs. Twyla Roesener, Manhattan, at right, Mrs. Vivian Baccus, Minneapolis.

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Wheat	2.00	10 Bushels	
Oats-Barley	2.00	15 Bushels	
Corn	2.00	3 Tons	
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BOX 111

Getting Poultry Ready

(Continued from Page 10)

As soon as picking is completed, it is very important that the bird be thoroly cooled as rapidly as possible. When several birds are being dressed, it usually is customary to place birds in ice water as soon as they are picked. When all are picked, remove them from ice water and eviscerate or cut up. It is not too important whether birds are cooled before or after they are eviscerated, but is very important that thoro cooling precede packaging.

Poultry may or may not be cut up before packaging. When care is taken in packaging, the cut-up bird may be stored in less space than the bird frozen whole.

Fryers are usually disjointed or cut up ready for cooking before freezing, while roosters are most often eviscerated and packaged whole. More and more turkeys are being frozen. If the turkey is large, it is often cut in two or even in quarters and frozen.

Proper packaging is very important. Poultry is quite susceptible to freezer burn during storage. The wrapper should be moisture-vaporproof and be

flexible enough so it will not tear, and so as much air as possible may be removed from the package before freezing. Giblets should be wrapped separately. Some people feel it is necessary to glaze the birds or freeze them in a cube of ice. This is not necessary if they are carefully wrapped in aluminum foil, cellophane, or wax paper.

As soon as packaging is completed, the birds should be frozen quickly at from 0° to -20° F. After they are quick frozen, they should be stored at 0° F. or below. Poultry keeps well in storage, but poultry like any other meat, will tend to become dry and tough if held for long periods in storage.

People not used to freezing birds are often alarmed when they encounter dark bones in young birds that have been frozen. This condition seldom exists in older birds. Darkening is due to seepage of blood from center of the bone, and in no way affects the bird except for appearance. Careful bleeding and quick freezing help minimize this condition, but do not entirely eliminate it.

Answers to Your Flower Questions

By FRANK PAYNE

QUESTION: I have moved into a new home. Soil around this house and in the garden is very poor. I want to grow many kinds of flowers. What can I use to fertilize and build up this poor soil?

ANSWER: There are many things you can do to build up poor soil and provide plant food for flowers. But remember, when you are doing this it is really an important job, just the same as feeding a growing family the proper food.

Certain flowers require certain plant foods—what one likes may be poison to another flower. Some flowers must have well-rotted animal manure in the soil for best results. All kinds of roses come under that rule. Yet other flowers would get a rot and die if animal manures were used for them. Peonies hate manure so please keep it away from them. Wood ashes are good for peonies.

Another thing to keep in mind is that some flowers like an acid soil, while others need a sweet or heavily-limed soil. Hardy chrysanthemums love an acid soil but hate lime, while Delphinium simply starve to death if not given lime. Get some old lime plaster and pound it up real fine, working it into topsoil around your delphinium, then watch them bloom and smile at you!

Fertilize in Fall

On a new piece of ground or flowerbed start building it up the year before planting by fertilizing soil in the fall, working soil so it will be in good condition with plenty of plant food available in spring when you set out plants or sow seed. It is not a good idea to use fresh fertilizer on growing plants in hot or dry summer months, unless there should be a real wet and rainy spell of weather. You could certainly burn up nice plants by using fertilizer in a hot, dry spell.

Some growers ask about commercial fertilizers. They are fine, provided you follow directions carefully that come with each package. If directions say a teaspoonful to a plant, don't use double that amount thinking that is best for you to do. You are sure to harm the plant more than doing any good. It always is a good idea to work any kind of plant food into the soil, then give it a heavy watering at once. Never spread fertilizer over the foliage or crown of any plant, rather put it a foot or so away from the base of plant so the food is available to the tiny feeder roots as they are the ones that can use the food.

If you have a lot of hard clay soil where you are forced to plant flowers, it can be made loose and friable by adding sand or fine cinders into it together with well-rotted manure. A word of caution about one kind of manure is this: Be real careful about using chicken manure, especially when it is fresh. It is extra strong in nitrogen and is sure to burn any young plant when put on fresh.

A compost pile is a mighty good thing for flower growers to have. On the farm one has so many things to put into it that it is not much trouble to

make a good-size one, then you always have plenty of good flowerbed soil ready whenever you want it. Your county agent no doubt can give you a bulletin on how to make a compost pile.

QUESTION: I have never shown flowers at a flower show but wish to do so this fall at our county fair and local flower shows. Can you give me some helpful pointers on what to do and how to handle my show flowers?

ANSWER: Yes, I believe I can be of a little help to you. It happens I have entered many flowers at county, state and national shows, also have helped judge at many shows in the last 32 years. I think your idea of showing flowers is a fine thing for you to do, or anyone else for that matter. It helps enthrall others to grow and show flowers, also it allows you to strut your stuff and show others that you can grow and arrange flowers to show off their best points.

There is a lot of work growing flowers nice enough to show, also studying out many things such as finding your best flowers to cut, handling and transporting them with care to the show and to having them entered properly by show clerks.

If possible, cut your flowers late in evening or extra early in the morning when it is cool. At once pull off lower leaves that would be in the water and plunge stems in deep, cold water.

Of course, if they should be poppies or some flower that bleeds badly when cut, you can sear ends of the stems over a flame, then plunge in cold water. Some folks do their dahlias stems that way, but I don't because I only grow the varieties that keep well when cut.

Be on Time

Another thing to remember is, get your flowers to the show on time. It's only fair to the folks working to make a good show. It's very important to read instructions and rules of the show. If the entry calls for a single specimen, or 3, or 6, then be sure the proper figure is shown. Any failure to observe rules will disqualify an entry.

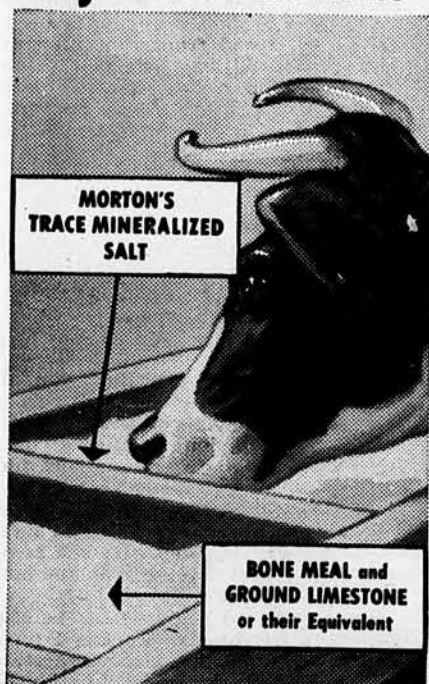
When cutting your flowers be sure to look all over bloom and foliage, even backs of petals because if you don't, some ornery bug or worm may have nibbled on a petal, the judge sees it of course, someone else gets a blue ribbon, and you wonder why!

Last but not least, do not expect to win the very first time you enter flowers. Be a good sport, whether you win or lose, and don't give up. If you lose this time, go right after them next year with better flowers and keep right on trying your best. Someday you will come home with a handful of pretty blue ribbons that even your great-grandchildren will brag about. More power to you. Always help to keep the good work going by helping to make this old world a place of beauty and a really good place in which to live!

My next article will be questions and answers about other flowers with timely information.

FOR GREATER THRIFT IN LIVESTOCK

follow this economical way to feed minerals



HERE is the simplest and most economical way to give your dairy cows and other livestock all the minerals they need for thrift, rapid growth, low feeding costs, and healthy young.

In one side of a divided mineral feeding box put a mixture of bone meal and ground limestone, or their equivalents. In the other put Morton's Free Choice Trace Mineralized Salt.

Fed free choice, this plan is complete. It lets your livestock take as much or as little as they want. It enables them to balance their own mineral ration.

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Salt is the logical carrier for trace minerals. Salt supplies chlorine for the hydrochloric acid needed to digest protein—sodium to help make bile needed to digest fats and carbohydrates. Trace minerals influence the enzyme, vitamin and hormone functions — the basic life activities that build nutrients into growth, maintenance, and reproduction.

Morton's Trace Mineralized Salt is like a low-cost insurance policy protecting all your livestock. It costs only a few cents more per animal per year. Your dealer has Morton's Trace Mineralized Salt in stock. Ask for it by name — feed it free choice.

FREE Just off the press, this 32-page book gives you the complete facts on feeding salt and trace minerals to all classes of animals. Mailed FREE and postpaid. Morton Salt Co., P. O. Box 781, Chicago 90, Ill.



Marketing Viewpoint

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

I have some February pigs and I am wondering whether I should feed them to gain as rapidly as possible or should I cheapen the ration and head for a later market?—G. K.

It probably would pay you to feed for an early market. Hog prices have improved slightly in recent weeks and some further improvement can be expected by August. However, price advances are not likely to be large this summer. The recent pig crop report indicates about 8 per cent more hogs for summer market than a year ago. A rather sharp seasonal decline in hog prices could occur after August.

The spring pig crop is estimated 7 per cent larger than a year ago and largest on record except for 1943. Tendency has been for spring pig crop to be farrowed earlier in recent years, which means earlier movement to market and earlier seasonal downturn in prices. By heading for late market you could lose more in price than you probably would save in feed cost.

I want to sell my corn to have space to store wheat. Do you think corn prices will get any higher during the next 30-40 days?—A. P. D.

Corn prices are in process of adjusting to new crop prospects and will continue to do so until fall. Altho there is a tendency for corn prices to strengthen most years during this season, it is less likely this year. Slightly lower prices for corn can be expected from now to harvest. In areas where floods have caused much damage, a later recovery is likely.

Are many markets having large amounts of surplus grade-A milk this year?—G. B.

Situation regarding surplus milk in Kansas is somewhat varied this summer. Markets in eastern part of state are reporting large amounts of surplus grade A milk while markets in Central and Western Kansas have only average supplies of surplus milk. Some Central and Western Kansas markets are concerned about possibility of being short of grade A milk supplies this fall.

Cradle Shower

"Streamlining the Stork," is the title of leaflet offering clever suggestions for entertaining guests and presenting gifts. Price 3c. This leaflet will interest anyone planning such a shower. Please address Entertainment Editor, Kansas Farmer, Topeka.

Salt for Soil Boosts Crop Yield

Using coarse rock salt as an additive fertilizer for sugar beets, canning beets, celery and cotton substantially increases yields, according to the International Salt Company, Inc.

Recent research at the University of Wisconsin established the fact sodium is essential for maximum growth and quality of beets and celery. Researchers in Mississippi showed cotton yield per acre can be increased by adding sodium to the soil. For fertilizer purposes, this sodium is supplied economically and conveniently by coarse rock salt, states International Salt.

Any Canning Questions?

Because many homemakers are puzzled about the "do's" and "don'ts" of home canning and freezing, a little booklet entitled, "Answers by the Canning Doctor," has been published by the Consumer Service Department of the Western Beet Sugar Producers. There are 56 pages in the booklet and every one has valuable information on various ways of canning and freezing foods. A free copy of the booklet will be sent upon request to Home Editor, Kansas Farmer, Topeka.

SEED-FERTILIZE AT THE SAME TIME

with



POSITIVE DRIVE QUANTITY CONTROL

Positive drive mechanism operates from drill axle, engaging and disengaging automatically with drill operation. Poundage control is

governed by the size of sprocket on jackshaft. Once machine is set with correct sprocket for desired poundage the exact amount of fertilizer is metered and continuously delivered.

POSITIVE FEED ACTION . . .

Top Auger grinds, agitates, and feeds fertilizer to bottom section. Lower Auger revolves in bottom section meters and force feeds fertilizer in constant regulated amounts into flexible tubes.

FERTILIZER COVERER

Fertilizer is distributed through separate delivery tubes into furrow with seeds, placing fertilizer where maximum benefit is received. Drag chain or press wheel covers fertilizer with slight amount of topsoil.

THE new Hoppes positive Feed Fertilizer attachment distributes any type commercial fertilizer in accurate regulated amounts — 50 to 500 lbs. per acre. The Hoppes attachment is easily installed on any standard grain drill, distributing fertilizer at the same time seed is planted, placing fertilizer in furrow for maximum benefit and increased crop yields.

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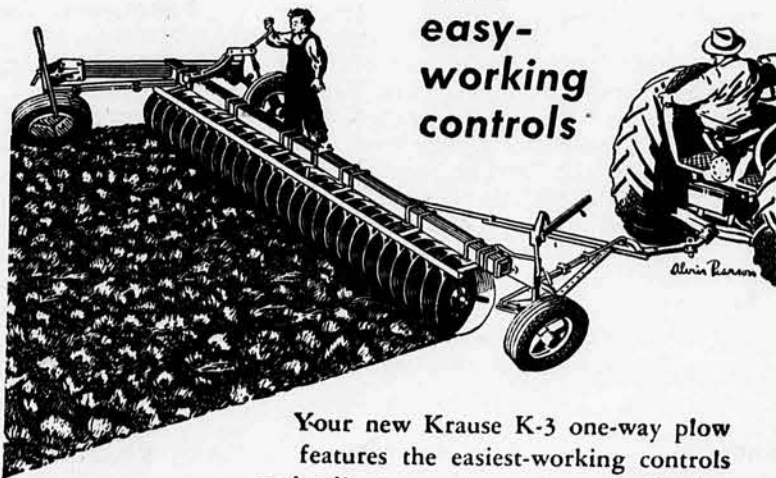
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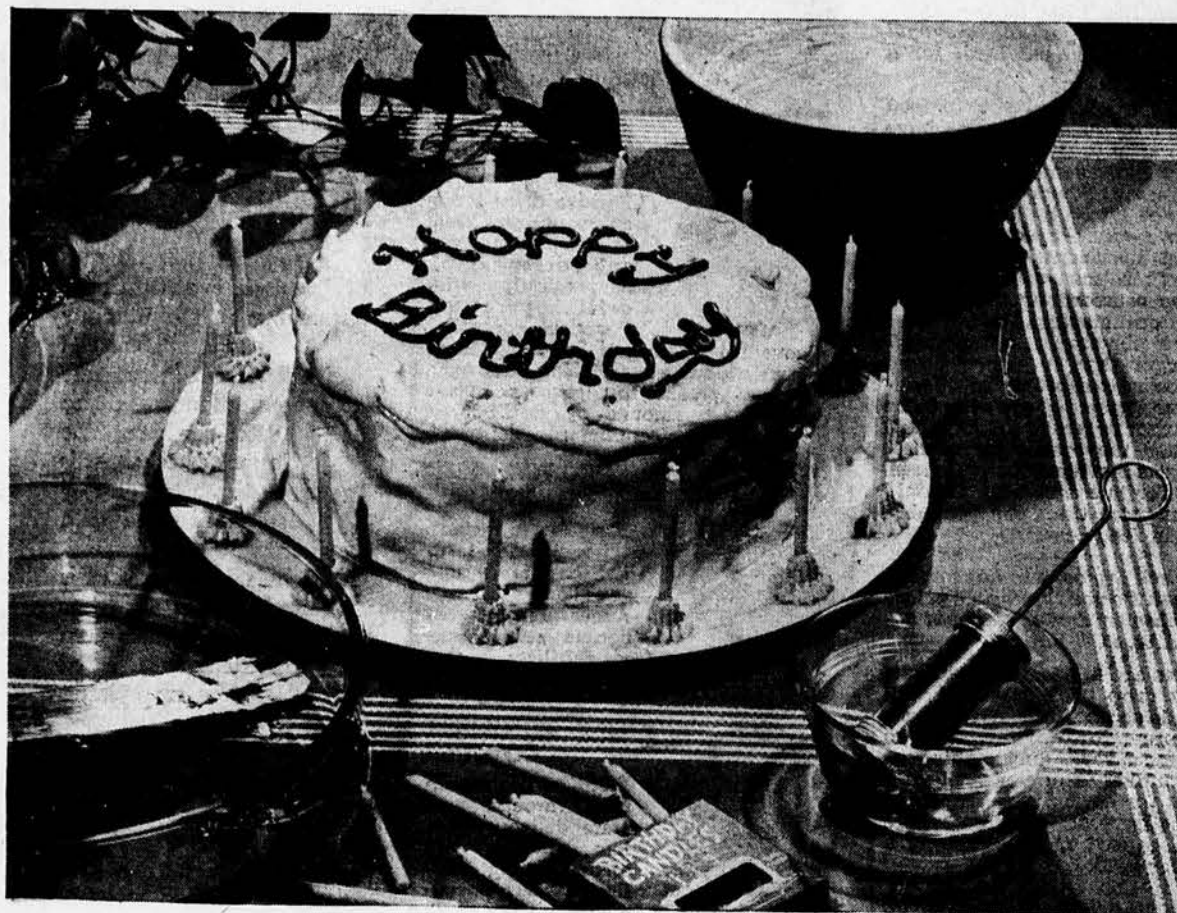
Your new Krause K-3 one-way plow features the easiest-working controls and adjustments you ever saw. Precise, positive depth control through land wheel screw . . . single-bolt swath adjustment . . . easy-set hitch . . . easy-working levers . . . steerable rear wheel — all these ease your work, speed up plowing and cut your costs.

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Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



BIRTHDAY CAKES ARE TRADITIONAL: Here's one with banana-pineapple filling, covered with 5-minute icing.

EAT THE FAVORS: Food, fun and favors are first in the minds of the young fry when it comes to parties.



Everybody Loves a Party

EVERY birthday is worthy of a celebration. And when you say party to a boy or girl, the first things that come to mind are food, fun and favors, in just that order. A birthday cake is the real heart of a birthday party, one that is especially gay, colorful and different than the kind mom turns out the other days of the year. Cakes for birthdays are as traditional as turkeys on Thanksgiving. The trick is to make your cake an outstanding one.

For an extra special birthday, here's one with banana-pineapple filling between the layers and smooth white five-minute icing over all and Happy Birthday right on top.

Birthday Cake

With Banana-Pineapple Filling

- | | |
|----------------------------|---------------------------|
| 2/3 cup shortening | 3 teaspoons baking powder |
| 1 cup sugar (beet or cane) | 1/2 teaspoon salt |
| 3 eggs, separated | 1/2 cup milk |
| 2 cups sifted cake flour | 1 tablespoon lemon juice |

Cream shortening, add sugar gradually, beating until light. Add egg yolks, one at a time, beating well after each addition. Sift flour, measure and sift together with baking powder and salt. Add to sugar mixture alternately with milk. Beat after each addition. Add lemon juice. Beat egg whites until stiff and fold gently into cake batter. Pour into 2 well-greased 8-inch baking pans. Bake in preheated oven at moderate temperature (350°) about 25 minutes. Cool and spread with the following filling between layers.

Filling

- | | |
|------------------------------|------------------------------------|
| 1/3 cup sugar (beet or cane) | 1/2 cup canned pineapple juice |
| 3 tablespoons cornstarch | 1 tablespoon lemon juice |
| 1/2 cup water | 2/3 cup crushed pineapple, drained |
| 1 large banana | |

Mix together sugar and cornstarch. Add water and pineapple juice slowly, making a smooth paste. Cook in double boiler until thick and smooth, stirring constantly. Mash banana, add lemon juice and crushed pineapple. Add banana mixture to sauce in double boiler and cook 2 minutes longer. Cool and spread between layers of cake. Frost top and sides with following icing.

Five-Minute Icing

- | | |
|------------------------------|------------------------------|
| 1 egg white | 1/8 teaspoon cream of tartar |
| 3/4 cup sugar (beet or cane) | 1 teaspoon light sirup |
| 2 tablespoons water | 1/8 teaspoon salt |
| | 1/2 teaspoon vanilla |

Combine egg white, sugar, water, cream of tartar, corn sirup and salt in double boiler. Place over rapidly boiling water and beat constantly with a rotary egg beater and cook about 5 minutes or until icing stands in peaks. Remove from heat, add vanilla. Stir until thick enough to pile well. Spread over top and sides of cake. Decorate as follows:

Decoration

- | | |
|------------------------|-----------------------------|
| 2 teaspoons butter | 2 teaspoons pineapple juice |
| 2/3 cup powdered sugar | few drops food coloring |

Cream butter, stir in powdered sugar and pineapple juice alternately. Add food coloring. Use to decorate cake as in illustration.

Party refreshments for young or old can be simple. Why not serve red sugar cookies cut in star shapes, topped with a scoop of vanilla ice cream and striped candy canes.

Candy Cane Sundae

- | | |
|------------------|---------------------------|
| 6 butter cookies | 1 quart vanilla ice cream |
| | 6 small candy canes |

Put a large scoop of ice cream on each star cookie. Insert a candy cane so it stands upright in each scoop of ice cream. Serves 6.

When It Rains

I want tree branches reaching wide
Where rain can dip from wide oak leaves,

While on the hearth a small wood fire
Dispels the chill that follows on the rain,
I want a rose beside my door
A yellow rose, with fragrance sweet,
With color making bright the hour
When creeks are full and skies are gray.
And I would have a neighbor near
That I might share hot loaves of bread,
Or in an old raincoat and boots
Drop in to pass the time of day.

—By Mary Holman Grimes.

We Announce . . .

Second-Prize Winner

By FLORENCE McKINNEY

HAZEL GROVE SCHOOL in Wyandotte county will soon receive an addition to its library as a result of the prize recently awarded to Ronald Wilson, a farm boy who graduated from the eighth grade this year.



THE EIGHTH GRADE: Kneeling in front are Ronald Wilson and Mrs. Elsie Waldron, eighth-grade teacher of Hazel Grove School, Wyandotte county.

Ronald won second prize of \$15 for himself, and his school receives \$75 worth of books of their own selection from an approved list. He won the prize for his entry in the story-writing contest sponsored by *Kansas Farmer* on the subject, "Why I Like to Live on a Farm." First-prize winning story was printed in the June 16 issue.

Ronald tells us he is planning to add his prize money to his summer earnings and buy a calf. He lives on a small farm 3 miles from the city limits of Kansas City, Kan. One acre is in pasture and the remainder in clover and orchard. He says he does most of the farm work. His rural school has 6 rooms and an enrollment of 185. He plays in the school band and sings in the boy's chorus. He was president of the eighth grade and president of the safety club which met every Friday. Last year he played forward on the basketball team which won third place in their league. His teacher, Mrs. Elsie Waldron, says, "Thank you and *Kansas Farmer* for providing an opportunity to rural children to compete in a very worthwhile project. We shall enjoy the books very much." Here is Ronald's second-prize winning story:

Why I Like to Live on a Farm

Besides being a healthful place to live because of fresh air, sunshine and wide open spaces, a fellow always has something to do which is not only enjoyable but also very profitable.

Work on the farm today is not drudgery. Any red-blooded American boy is thrilled with the modern machinery. It is fun to drive the huge tractor over fields to the tune of the bird's song. While he works he studies nature in its best setting. He answers the quail's whistle and avoids driving over the meadowlark's home. While driving the cows up from pasture he notices fish in the stream just waiting for him and he promises himself a fish dinner at an early date.

Modern farm machinery enables one to finish his work in much shorter time

and he has more leisure time to enjoy outdoor life. It's fun to hunt with the dog you trained from a pup; to break and ride old Betsy's colt; to enter your purebred beef in the 4-H fair and perhaps win a blue ribbon.

A farm boy has many opportunities to enjoy life. His educational opportunities are the best, no matter where he lives he finds good schools and he can go as far as he wishes. He realizes to be a good farmer he must take advantage of all these things. Radio, television, periodicals, agricultural colleges, 4-H Clubs are at his elbow and all contribute to his education until he is truly a well-informed individual. He learns to appreciate good music and the arts, and contributes his share in glee clubs and orchestras of his school and clubs. Sunday finds him in the church of his choice for the happy farm boy also is a reverent one.

When our nation is at war, he joins the branch of service in which he feels he can best serve and contributes his share in the job to be done, happy and grateful to be of service to his country.

A farm boy's social life is not neglected. He meets many boys and girls of his own age at school. He is a member of several clubs and learns to be a leader. Because of his clear thinking and sense of loyalty he may be a member of the football squad, the basketball, baseball and track teams.

Lessons of co-operation and teamwork he learns as a member of these teams help him a few years later when he owns a farm and takes his place in a community of farmers who thru Farm Bureau, Grange and other farm organizations study farm problems and thus continue the greatest industry on earth, farming, so this great nation of people as well as other peoples may continue to live on the fruits of this earth.

—By Ronald Wilson, Bethel.

The Mock Wedding

There will be plenty of fun at the party if this comical mock wedding is included in entertainment plans. Since we often receive inquiries on this subject there may be others who need this information. It may be given by an all-women cast or an all-men cast. Please address Entertainment Editor, *Kansas Farmer*, Topeka, for a copy of this leaflet. Price 3c.

Leaves Three . . . Let It Be

If your children do not know poison ivy, poison oak and poison sumac by sight, now is the time to teach them. Each of these plants, you may remember, has 3 leaves. So a good rule of thumb for the small fry is the old saying, "Leaves three, let it be."

Cake Won't Stick

When packing lunches, sprinkle waxed paper with powdered sugar before wrapping a frosted cake. The frosting will stick to the cake instead of the paper.—Mrs. D. M.



BASKET BALL TEAM: Tallest boy in back row, fourth from right, is Ronald Wilson, second-prize winner in story-writing contest.



Betty Crocker

COCONUT COFFEE CAKE TWIST

Quick! Easy! Delicious!
From part of your bread dough



COCONUT COFFEE CAKE TWIST

1. Get Betty Crocker's modern bread recipe in 25, 50 and 100 lb. sacks of Gold Medal Flour.
2. Make your usual batch of bread dough and when dough is ready to shape into loaves, take out enough for one loaf and use for this coffee cake.
3. Divide it into three equal parts. Roll out each part 1/4-in. thick into a rectangle 12 x 8-in. Place one of the rectangles on a greased cookie sheet. Spread with half of the filling (see No. 4 below). Cover with another rectangle, spread with the remaining filling. Top with remaining rectangle. Make 9 slashes with scissors on each of the sides to within 1/4-in. of the center. Cuts should be about 1-in. apart. Twist each section on its side so the filling shows. Let rise until impression remains when dough is touched gently with finger . . . 30 to 45 minutes. Bake 25 to 30 minutes in moderate oven (350°). While still warm frost with 1/4 cup confectioners' sugar mixed with 1 tbsp. milk. Serve warm.

4. For filling, mix together . . .
 - 1/4 cup melted butter
 - 1/2 cup brown sugar (packed in cup)
 - 1 tsp. cinnamon
 - 1 cup shredded coconut

Do not use Gold Medal Self-Rising Flour with this recipe.

For Wonderful Bread—
Use only soft mellow dough made with
GOLD MEDAL FLOUR
and Betty Crocker Bread Recipe

You will bake wonderful bread (also delicious coffee cake and rolls) and make them easier and quicker with Gold Medal Flour and Betty Crocker's bread recipe. The loaves that come from your oven will always be light, full-volumed and a rich golden brown. That's because Gold Medal is a modern bread flour with soft, mellow qualities. These qualities help make your dough easier to handle . . . your loaves rich, full-volumed. With Gold Medal you never have to worry about such baking faults as poor size and

shape . . . dryness, coarse and uneven texture. But remember, Gold Medal may not work best with a bread recipe that calls for a tougher, harsher flour. That's why it's so important to use only Betty Crocker's recipe. It's tailored to fit Gold Medal's superb uniform baking qualities. Recipe comes in 25, 50 and 100 lb. sacks of Gold Medal "Kitchen-tested" Enriched Flour. Try it today.

YOU NEED ONLY
ONE BRAND—

GOLD MEDAL FLOUR

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FOR BREADS . . . BISCUITS . . . PIES . . . CAKES . . . COOKIES

Notes from the BEET SUGAR KITCHEN by Nancy Haven



SPICED PEACH MARMALADE

5 lbs. freestone peaches (about 15 med.-sized)
1 lb. oranges (about 3 med.-sized)
10 cups Beet Sugar
1 teaspoon whole cloves
2 (3-in.) sticks of cinnamon

Scald, peel, halve and pit peaches. Wash oranges, cutting off any blemishes. Cut up both fruits and put through food chopper, using coarse knife (8 cups peach pulp and 2 cups orange pulp). Blend measured fruit pulp and sugar in a large preserving kettle; add whole spices, tied in a bag. Place on heat. Bring to a rolling boil; reduce heat. Boil 40 minutes or until two thick, heavy drops run together off a clean metal spoon (219°F.), stirring frequently. Remove from heat; remove spice bag; skim. Pour into hot, sterilized jars; seal at once. Makes about 6 pints.

APPROXIMATE MEASURES:

1 lb. equals 3 medium-sized peaches; or 2 2/3 cups (1/2-in.) wedges; or 1 1/2 cups crushed.

FREEZING PEACHES OR APRICOTS

1. Use cold, medium syrup of 1 cup of Beet Sugar to 2 cups of water.
2. Use ascorbic acid to prevent fruit from darkening. Stir 1/4 tsp. ascorbic acid powder into each 1 1/2 cups cold Beet Sugar syrup.
3. Use crumpled strips of wax paper over top of fruit to keep it under syrup.

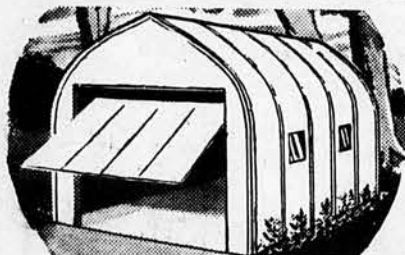
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Junction City, Kansas

Work, Play and Entertainment On Program During Women's Week

EARLY in June about 400 Kansas farm women met on Kansas State College campus for Women's Week, 4 days of work and play and entertainment. They moved into the women's dormitory and lived like students.

From morning to night they met together. From Dean L. C. Williams they heard about the new Extension law and its operation in the county. The first evening, they had a Gay Nineties party in the gymnasium, under leadership of Mary Elsie Border of the State 4-H Club staff and Virginia Green, recreation specialist of Extension service. Round and round the gym they danced, using old folk games and songs. There was a shuffle of feet as they danced in and out to the tune, "Green Sleeves," an old English country dance. Since most of the women are 4-H leaders in their home counties, the instruction will be passed on to the young folks during coming months.

Mrs. Kenneth Zimmerman from Jennings won first award for best Gay Nineties dress. She said it was a wedding dress between 75 and 100 years old and made of gray silk taffeta, trimmed in black velvet bands and lined thruout.

Play Important Part

The second morning, Dr. Harold E. Snyder, of the Kansas Division of the American Cancer Society, told the women of the important part they have played in the educational program of cancer control. He told of new research and hinted of the possibility of developing a cure without ever learning the cause. At present the most satisfactory development is in the field of hormones and drugs.

The new 12-month course for practical nurses was announced by Mabel S. Campbell, of the University of Kansas. This is a new program to give better nursing service in the state, following passage of a law which requires licensing of practical nurses.

Beth Peterson, home economist for Du Pont Company, told of new developments of synthetic fibers, the latest about nylon, orlon, and newest of all, dacron. She says the day of the permanently pleated skirt and creased trousers is here. All 3 materials will retain pleats permanently. Men's suits of dacron need not be pressed. The crease in trousers will stay until ironed out. Moths, she reported, do not like nylon, orlon and dacron. Newest in awnings are those made of orlon for it is resistant to sunlight.

On Wednesday afternoon several sessions were held and the women took their choice of civil defense, consumer problems, flower arrangement, family life, art in the home, food preservation and egg marketing.

Held Business Meeting

At the business meeting, Mrs. Earl Simmons, Ashland, was re-elected president of the Kansas Home Demonstration Council. Mrs. Everett Chamberlain, Valley Center, was elected treasurer for the coming year, and Mrs. John Larson, Concordia, vice-president for the northwest district. Other council officers included, Mrs. Clyde Russell, Chanute, secretary; Mrs. Hugh Needham, Muscotah, vice-president, eastern district, and Mrs. Leonard Held, Great Bend, vice-president, southwest district.

"Living Thru Our Older Years," a panel discussion led by Dr. Florence McKinney, head of the Kansas State household economics department, received much favorable comment on the Thursday program.

Significant guideposts to happier later life proposed by Doctor McKinney and other panel members included: 1. Be of service. 2. Keep physically and mentally strong. 3. Plan to keep busy. 4. Learn to be alone. 5. Make yourself a part of the community in which you live. 6. Cultivate new friends and new interests. 7. Remember it pays to play and recreate yourself.

Mrs. Kling Anderson of the panel stressed the importance of the one-floor house plan for older people. She added, "If the older person must live with his family, a separate unit is best if the older person's health permits. At least see that Grandmother has some of her treasures about her and is asked to help with some tasks. Urge older people to keep up church and club associations."

Home Talent Nite, a tradition of

Women's Week, brought in homemaker groups from 8 counties to present a wide variety of entertainment. Counties represented with musical and dramatic talent were: Butler, Coffey, Elk, Montgomery, Saline, Dickinson, Leavenworth and McPherson.

Mrs. W. L. Barrett, of the Institute of Logopedics, Wichita, gave a sympathetic introduction to "Children Without Speech in a Speaking World," at the same session. By giving the history of the work of Dr. Martin Palmer and citing several case studies, she created genuine interest in the work there and at the field centers over the state. "Speech difficulties have nothing to do with mentality," she repeated.

Mrs. C. M. Andrews, Sedgwick county farm woman, speaking at the banquet reflected in her talk, "Words Versus Ideas," that there are too many empty words in our age that have lost their true meaning. She urged women not to be swayed by emotional speakers and writers but to seek hard for facts and figures, then think thru on issues and individuals. "America has been fortunate; we have seemed to have been blessed with superior leadership up thru the middle of the 19th century. Now we are not so blessed and there is much confusion and loose thinking."

News to You?

Sift dry ingredients in a recipe onto a paper plate or a piece of waxed paper for ease in handling. It saves dishwashing, too. The plate or paper may be used several times.

To keep the small child from turning on the gas while mother isn't looking, petcocks on some of the new gas stoves are being placed on the working surface. Other manufacturers leave the petcocks in the conventional place in front of the burners, but equip them with safety locks. The locks can be released by pushing down a button above the petcock, or in some cases the petcock can be released by pressure.

Some newer gas stoves coming on the market now have a burner grate on which the homemaker can set a very small utensil without danger of tipping. They'll be fine for melting chocolate and butter in measuring cups.

If it's a new home freezer of the chest type you are looking for, you will find a new provision for your safety. A counter-balanced hinge which holds the lid in any position until you release it, has been substituted for the old-type hinge which let the lid drop.

Another safety device that's brand new is a plastic shield, handy in the kitchen or anywhere else in the house, which snaps over an electric outlet so little tots cannot remove it. A slot in one end lets the electric cord go thru so the shield can remain in place whether or not the outlet is in use.

Besides saving time and dishwashing, it is not necessary to melt shortening when making bread. Room temperature is all right and when at that temperature it may be blended with the first of the flour.

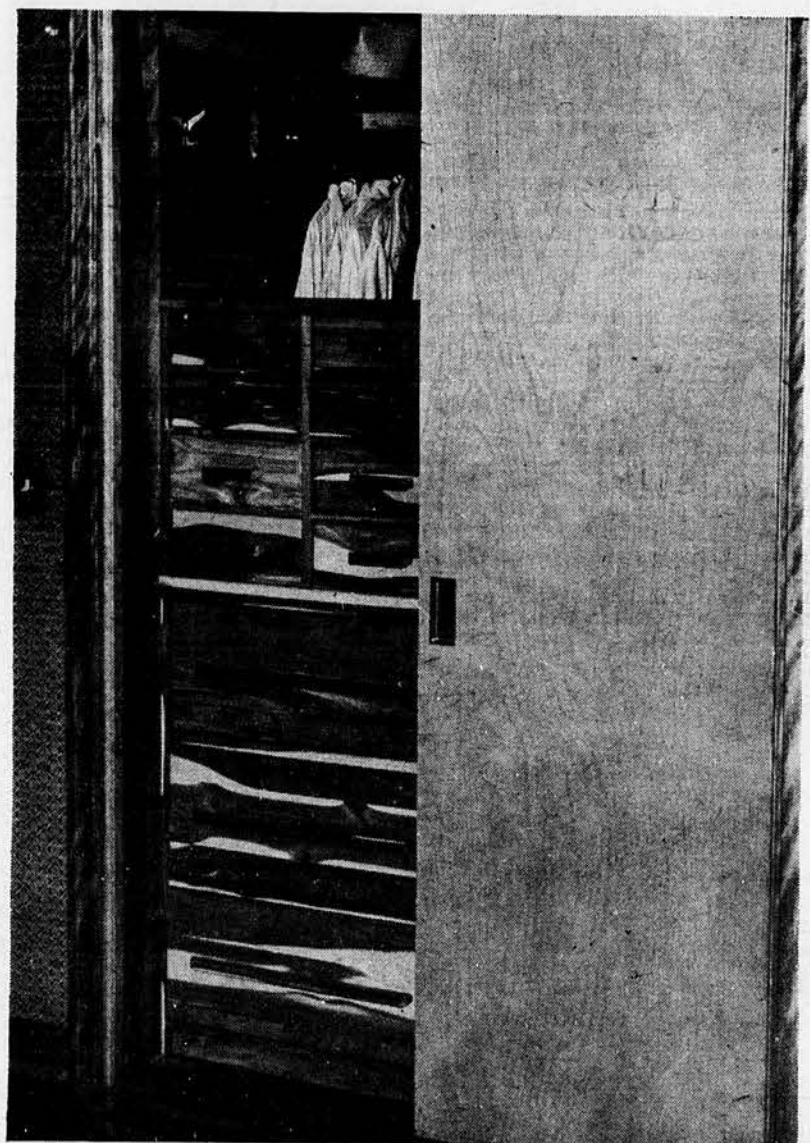
Ever have dark streaks in your home-made bread? That's because you greased the bowl too heavily, so that when the dough was punched down or turned over, the grease was carried thru the dough.

If your bread gets brown before the baking time is up, place a piece of brown wrapping paper on top the last 15 minutes of baking time.

Useful Information

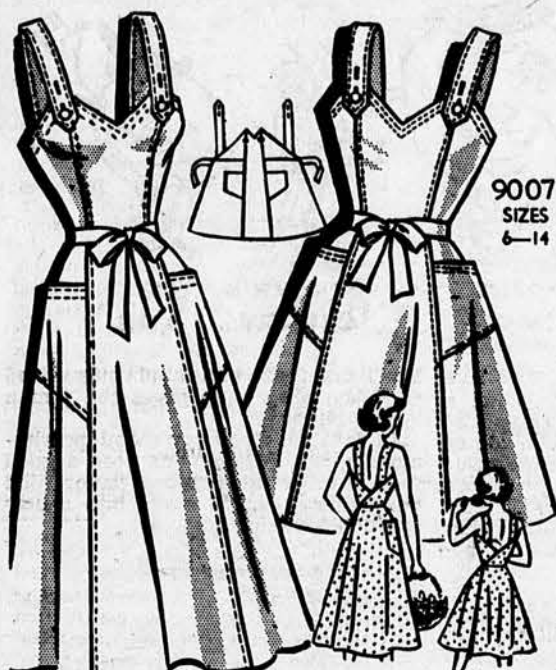
The leaflet, "Rules of Order," gives the most necessary rules of order used in women's club meetings. "How to Make Introductions," is another leaflet recently prepared. It gives all rules on how to introduce people to one another. This leaflet should be of especial interest to 4-H Club groups. For a copy of each leaflet, please address Home Service Editor, Kansas Farmer, Topeka. Price 3c each.

Slide Closet Door



GLENN TOWNE FARM HOME, Osborne county. Drawers are built into one-half the clothes closet. Clothes on hangers behind drawers are reached by sliding the door to other side.

Sew for Summer



9106
SIZES
12-20; 40

Mother 'n' Daughter

9106—Wrap-on for mother for work or play. Sizes 12 to 20 and size 40. Size 16 takes 4 yards of 35-inch material.

9007—Sew the same for your daughter to dress-alike. Sizes 6 to 14. Size 10 takes 2½ yards of 35-inch material.

4832—Button-down side frock fit for year-round wear. Sizes 12 to 20. Size 16 uses 2½ yards of 35-inch material.

9282—Slenderizing frock with easy detail. Sizes 34 to 50. Size 36 takes 4½ yards of 39-inch material.



4832
SIZES
12-20



9282
SIZES
34-50



9494
SIZES
12-20
30-42



9497
SIZES
2-10

9497—Sundress and best dress for the small-set. Sizes 2 to 10. Size 6 sundress, 2¼ yards; dress, 2½ yards and ¾ yard contrast 35-inch.

9494—Crisp shirt-waister with contrasted detail. Sizes 12 to 20; 30 to 42. Size 16 takes 4 yards; ¾ yard contrasting 35-inch material.

Pattern Numbers	Size	Name
		Route
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Fill out coupon above, enclose 30 cents in money or stamps for each pattern and send to Fashion Editor, Kansas Farmer, Topeka.



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Whenever you are

over 7½ million families already do

You May Freeze Breads

Bread, even frosted coffeecakes, may be frozen in your food freezer. They may be kept as long as 12 months, tests show.

For plain bread and rolls, after baking, cool them thoroughly, then wrap carefully in freezer paper, date and place in freezer. Place coffeecakes and sweet rolls in freezer or freezer unit of your refrigerator unwrapped overnight until they are well frozen. Then remove and wrap in freezer foil, label and date. Return to freezer. The quick freeze before they are wrapped sets the icing and decorative fruits and nuts so they will not smear with the wrapping.

When you wish to eat the plain bread or rolls, thaw by placing wrapped bread in a slow oven (300° F.) for 30 minutes before serving. If bread is unwrapped before thawing, moisture will collect on bread surface.

Unbaked yeast doughs, too, may be frozen. After the shaping stage of rolls, place on a baking sheet, grease

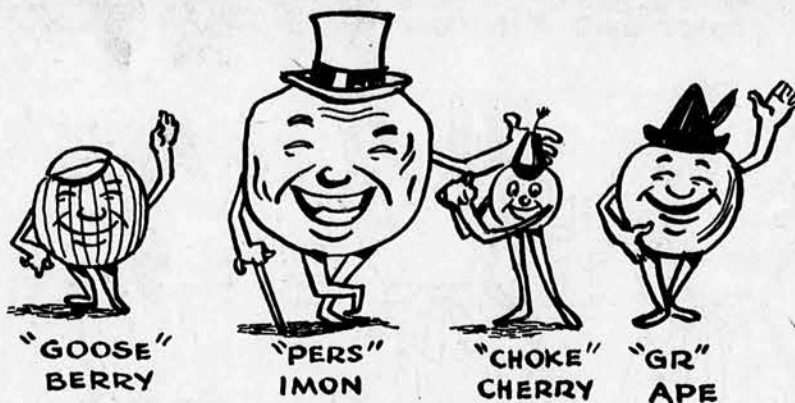
well and freeze on baking sheet. Package after freezing and store not longer than one week.

Unbaked bread may be shaped, placed in bread pan, greased well and frozen in pan. This too, may be frozen up to one week. When ready to use, unwrap and place either rolls or bread at room temperature until doubled in bulk. Bake exactly as for fresh rolls or bread.

A Popular Leaflet

"Patriotic Music in Story and Song," is a playlet requiring 7 characters besides a male quartet and a chorus of mixed voices. If you need suggestions for a patriotic occasion this playlet could be adapted to such needs. Please address Entertainment Editor, Kansas Farmer, Topeka, for one or more copies of this leaflet at 5c each.

Our Wild Fruits Are Wonderful



FORTUNATE are those who live where wild fruits grow. When a homemaker boasts of some special jam or jelly, it's likely to be made of wild plums or wild gooseberries or maybe wild grapes. The tangy flavors that are stored in the jars of wild fruit preserves are wonderful. From spring until snow flies in the fall, there's a succession of fruits in pastures and along roadsides.

Wild gooseberries, stripped from their thorny bushes while still green in color, can be used for jam, jelly or pie. Here's a recipe for gooseberry pie, somewhat different than most.

Luscious Gooseberry Pie

pastry for 2-crust pie
2 cups cooked wild gooseberries
1/2 cup cream
1 cup sugar (beet or cane)
2 tablespoons flour

Mix the cooked berries, cream, sugar and flour. Roll pastry for lower crust on lightly floured board, line 9-inch pie-pan. Roll out remaining pastry, cut steam vents near center. Pour berry mixture into bottom shell, place top crust loosely over fruit, trim edges and seal. Bake in hot oven (425°) for 10 minutes. Reduce to moderate heat (350°) and bake until crust is lightly browned.

As wild gooseberries have a strong flavor, they can be cooked in water to cover, the juice poured off, made into jelly and the pulp into pie or jam.

Mulberries which are excellent to tone down the tartness of wild gooseberries, ripen about the same time gooseberries are ready to use. A fine-flavored jam can be made from 2 cups of mulberries, 1 cup wild gooseberries and 3 cups sugar, boiled together until thickened to suit.

Another delicious pie filling can be made by mixing 2 cups stemmed wild gooseberries, 1 cup mulberries, 1 cup sugar and 2 tablespoons flour. Pour mixture into pie shell and dot with 2 tablespoons butter, before adding top crust.

About the middle of July, chokecherries are ripe. This fruit grows in bunches similar to grapes and is deep purple in color when ripe. Chokecherries are mostly seed and skin but if taken from stems, washed and cooked in enough water to cover, they yield a tart juice, which made into jelly has a flavor and color all its own. As it does not jelly easily, use a commercial pectin and follow directions on the box or bottle.

The pretty elderberry which grows along many roads ripens the latter part of July or first of August. Many old-time cooks always canned a few wild gooseberries just to mix with elderberries. Elderberry-gooseberry pies are quite a treat.

Elderberry-Gooseberry Pie

1 cup elderberries
1 cup cooked gooseberries
3/4 cup sugar (beet or cane)
2 tablespoons butter
2 tablespoons flour

Mix all ingredients and pour into pie shell. Add top crust and bake in hot oven (425°) for 10 minutes. Reduce to moderate heat (350°) and bake until crust is lightly browned.

About the first of August wild grapes start to ripen. These are especially good for jelly, jam and juice. The juice, diluted with water and sweetened, makes a drink as refreshing as that made from tame grapes.

In the days of our pioneer grandmothers, wild plums were gathered of necessity, and preserved as jam and jelly. Nowadays, homemakers hunt a wild plum thicket to get something different than the flavors offered on the grocery shelf. Wild plum jam is wonderful with hot biscuits for breakfast.

You'll find that a little apple pulp mixed with the plum pulp gives the jam a milder flavor.

In late fall, pawpaws and persimmons ripen. Persimmons need a good frost to bring out their best flavor. Wild persimmons can be made into a new and delicious pudding.

Persimmon Pudding

4 cups persimmon pulp
1 teaspoon vanilla
4 cups milk
1 egg, beaten
1 teaspoon baking powder
1 1/2 cups sugar (beet or cane)
2 cups flour, sifted

Make persimmon pulp by pushing thru a colander or food mill. Combine persimmon pulp, vanilla, milk and egg. Sift dry ingredients together and add them to liquid mixture. Stir until well mixed. Pour into a shallow baking dish. Bake 3 hours in slow oven (325°). Stir pudding several times while baking. It will be chocolate colored when done. Serve cold with whipped cream. It will keep several days refrigerated. — By Nellie Converse.

Win in Contest

Mrs. Hadley Vorgt, of Olathe, won first place in a letter-writing contest sponsored by the Extension home economics department of Kansas State College. Subject for the contest was, "How the Home Demonstration Program Helps Me as a Homemaker and Citizen."

Second place went to Mrs. John F. Cahman, of Wellsville, and third to Mrs. C. C. Graze, Hugoton. Honorable mention was given to the following club members: Mrs. Roy Swenson, Junction City; Arlene Reich, Rossville; Mrs. S. W. Long, Jamestown; Mrs. Harley Beaver, St. John; Mrs. Bernal Poston, Anthony and Mrs. H. J. Hammond, Kansas City. Cash awards were given to all winners.

In her first-prize-winning letter Mrs. Vorgt said, "Lessons on citizenship, mental health and family living have furnished me a storehouse of information. I realize the need for community co-operation and feel it brings us all a little closer in this uncertain world today."

Another letter has this to say: "The several hours I spend one afternoon each month in company with other unit members has afforded me fellowship, diversion, recreation and instruction."

Welcome to July

July sounds a lovely note
With ageratum's blue,
Black-eyed Susans by the lane
Hold a gay review.

The scent of phlox is on the air
Sunflowers are growing tall,
The orchard holds a gay brown thrush
As early apples fall.

Tomatoes ripen on the vine
There's early bantam corn,
And inspiration in the thought
Of each dew-sparkled morn.

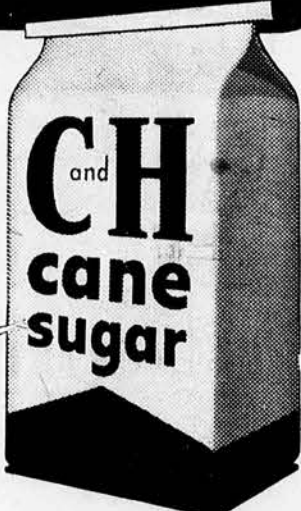
—By Mary Holman Grimes.

Feeding a Crowd

We have a supply of a new booklet entitled, "Feeding a Crowd." It gives recipes and directions for feeding crowds of 50 and 100 persons. Write to Farm Service Editor, Kansas Farmer, Topeka, and enclose 3 cents for cost of mailing. Your order will get prompt attention.

Be wise: CAN with CANE

western women
favor



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YOU'LL LOVE THIS PRIZE WINNING RECIPE WITH
RED STAR Special Active DRY YEAST

Prize winner, Grand
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Barbara Maddock, Los
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\$1,000 FUNNY FACE HAMBURGERS

These hamburgers baked in buns are fun to make and fun to eat.
BAKE at 400° F. for 12 to 15 minutes. MAKES 12 to 16 hamburgers.

DISSOLVE 1 package Active Dry Yeast (or 1 cake of compressed yeast**) in 1/2 cup warm water (110° to 115° F.). **COMBINE** 1/4 cup shortening, 2 tablespoons sugar, 2 teaspoons salt, 3/4 cup scalded milk. **BLEND** in 1 egg and the dissolved yeast. **ADD** 4 cups sifted Pillsbury's Best Enriched Flour; mix well. **KNEAD** dough in bowl until smooth. **ROLL OUT** on floured board to 1/4 inch thickness. Cut into rounds with 3-inch cutter. Brush centers with melted butter. **PLACE** 2 tablespoons of hamburger filling in center of half of rounds. Top with remaining rounds. Seal edges. Cut gashes as remaining rounds. Seal edges. Brush eyes and mouth for escape of steam. Brush with milk. **COMBINE** 1 slice bread, crumbled, 2 tablespoons brown sugar, 1 teaspoon cinnamon, 1 tablespoon milk. Shape mixture over one-third of bun for hair. Cut halves of raisins for eyes. Use

small wedges of tomato or pimiento for mouth, making "funny faces." Place on ungreased baking sheet. **LET RISE** in warm place (85° to 90° F.) until double in bulk, about 45 minutes. **BAKE** in moderately hot oven (400° F.) 12 to 15 minutes. Serve hot.

HAMBURGER FILLING

BROWN 1 1/2 lbs. ground beef and 2 tablespoons chopped onion in 2 tablespoons shortening. **ADD** 3 tablespoons flour, 2 teaspoons salt, 1/4 teaspoon pepper, 1/3 cup chopped parsley, 1/4 cup grated carrot, 1/4 cup catsup; cook for 5 minutes, stirring constantly. Cool slightly.

*If you use Pillsbury's Best Enriched Self-Rising Flour, omit salt in buns. **If compressed yeast is used, dissolve in lukewarm water.

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QUICKER RISING...
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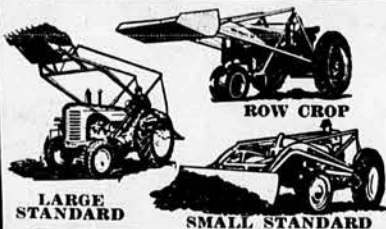
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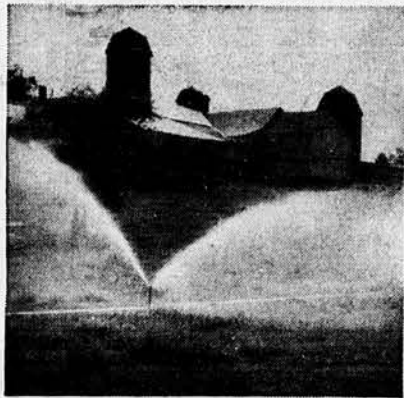
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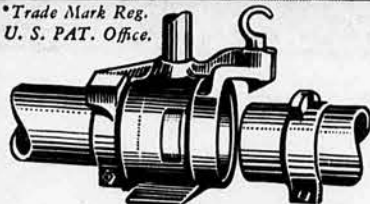
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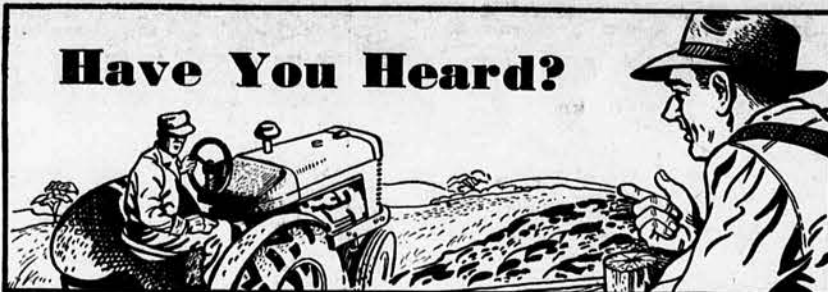
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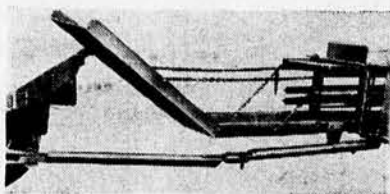
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STREET.....
CITY..... STATE.....

Have You Heard?



Notes on New Products and Folks Who Make Them

THIS new wagon-loading attachment for New Holland balers lets bales slide right from baling chamber to wagon, according to engineers of New Holland Machine Company, New Holland, Pa. Six different hitch lengths are



possible with the extension chute. Both angle of chute and wagon hitch are adjustable to work efficiently with most farm wagons.

An entirely new-type stock chute, "The Streamliner," is being announced by Farnam Equipment Co., Omaha, Nebr. Experimental work and final testing have been completed in Phoenix at the Suncrest Hereford Ranch. Among new features—new-type sure-hold nose bar; hinged bars in side squeezes that are held in position by clips; full-length door at bottom of side squeezes allowing full access to underside of animals; spring-balanced rear gate, and many safety features.

Comfort Equipment Co., Kansas City, Mo., announces a new Grassboard Lifter for farm mowers. The new development raises the board positively and automatically to prevent dragging or digging into the ground and fouling in weeds and heavy grasses. The grassboard automatically returns to normal running position as soon as mower moves forward. A simple assembly easily attached to end of mower and grassboard pivots according to forward or backward motion of mower to provide positive automatic operation. For full details, write to the manufacturer, at 2609 Walnut Street.

The 20-inch Fresh-Air Maker Window Fan does a king-size job for little money, says its manufacturer, the Schwitzer-Cummins Co., Indianapolis, Ind. With reversible motor, fresh air can be brought in just by a flick of the switch. There are 2 fan speeds and 2 air volumes for each direction. For more information, write the company, and please say you saw an item in Kansas Farmer.

Le Claire Mfg. Co., Le Claire, Ia., announces the 1951 Model L Garden Cultivator. It is a new, de luxe cultivator which can be used in various types of gardening. It has many attachments—hillers, sweeps, shovels, lawn-mower attachment, weed-cutter attachment and snowplow attachment. Many uses for the cultivator—mowing, cutting weeds, removing snow, bulldozing. There is a 25-foot width for straddle or between-row cultivation.

Orchardmen will be interested in news of this new spray-distributing blower. It was designed for money-saving, one-man spraying operation. Hurst Industries, San Jose, Calif., is announcing the new blower. The unit introduces finely atomized spray material into the air-stream of an especially designed fan-type blower. Efficient distribution of spray amounts as small as 4 gallons per minute can be made to reach from 25 to 40 feet.

The J. I. Case Company, Racine, Wis., sent us several pieces of new literature recently. Under favorable conditions, they write, corn harvesting can be simplified and shortened by using their Case Model "IS" Picker-Sheller. This machine picks, husks, shells and cleans heavy-yielding hybrid corn, all in one operation. A 4-cylinder air-cooled engine attachment for the Case "F-2"

combines will assure ample power to keep the machine operating at the proper speed under extreme crop conditions. The engine is a self-contained power unit.

The Case Brushland Disk Harrow was built especially for reclaiming cut-over land, brush, bogs, and other wild nonproducing areas. It has big, notched disk blades which slice and chop up vegetation and mix it with the surface soil where it will do the most good. It has either 24 or 26-inch blades.

A new 90,000-bushel grain storage building is being built at Red Comb Pioneer Mills, Inc., Marshall, Mo. The building is to be equipped with shelving, cleaning and drying equipment, will replace the 50,000-bushel building destroyed by fire last March.

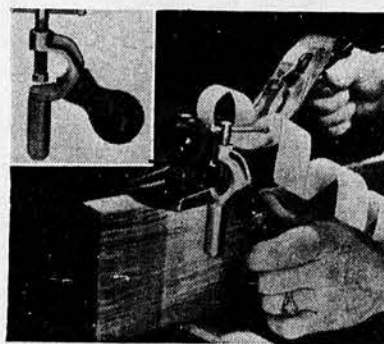
The world's largest and most complete cheese-processing plant is now in full operation. It is the Kraft Foods Company plant at Chicago. This plant is another long step toward increasing consumption of cheese. As a result, it provides a continuing market for the nation's great dairy industry.

Airosprayer is a practical, all-purpose sprayer for farm, garden and home needs. A product of the Airosprayer Company, Neodesha, Airosprayer is good for spraying livestock, barns and outbuildings. Other uses—for treating lawns with 2,4-D; for applying whitewash to interiors of buildings, fences; for applying insecticide solution to shade trees, orchards, gardens, shrubs, livestock; basements; for handy and effective quenching a grass or outbuilding fire in its early stages.

The new John Deere 9-foot power-driven windrower meets windrower needs of owners of smaller-size combines. This new windrower is available with right- or left-hand cut, delivers the windrow on standing stubble out of the tractor wheel tracks—whether it is powered by a standard-tread or tri-cycle-type tractor.

Every year, insects cause damages of at least \$500,000,000 to stored grain. U. S. Industrial Chemicals, Inc., recently announced 2 new insecticides which give full season protection with a single application. Both are in production and will be available in limited quantities this year. The insecticides are Pyrenone Wheat Protectant for all types of wheat, and Pyrenone Grain Protectant for corn, oats, barley, rice and other grains. Rate of application is 100 pounds per 1,000 bushels. This gives protection to the farmer at a cost of about 2 cents per bushel.

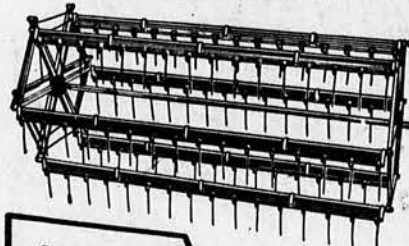
Square-Ezy is a new plane guide to help any carpenter plane a perfectly square edge every time. This new product is a simple device consisting of a clamp with a free-turning cylindrical sleeve which extends below the base of the plane. Square-Ezy comes in various sizes to fit all planes. The new attachment can be used for these jobs: cabi-



net work, millwork, fitting doors and windows, removing saw marks. Square-Ezy is a product of the Bratton Co., Edwardsville.

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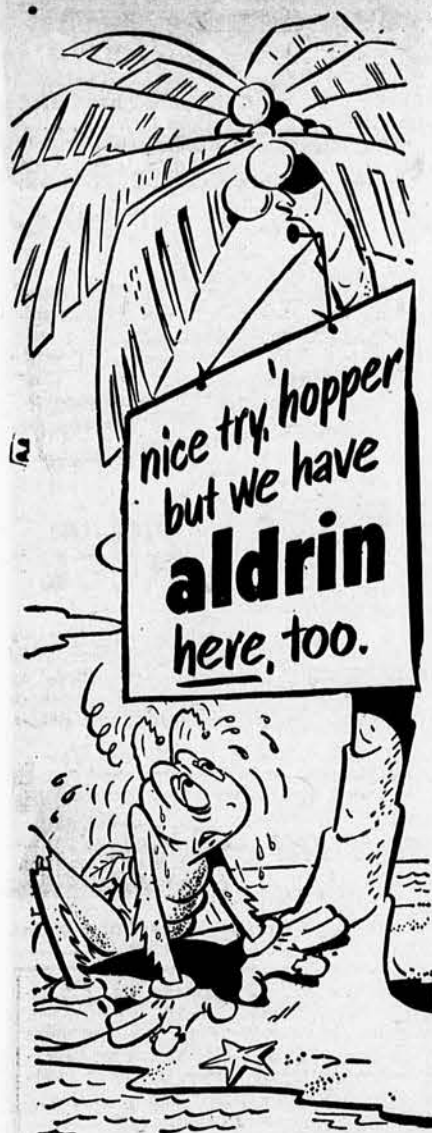
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Cattle Get "Cake"

(Continued from Page 4)

What he wanted to know was how much protein supplement he must add to make up the difference in those 2 batches of hay. Of course, we couldn't give him the answer."

All of you farmers who feed cattle are faced with the same problems. There comes a time each year when your cattle need cake on grass, but that time varies each year according to the season. When you are feeding hay and silage as roughages you are necessarily making a fairly rough guess on the exact feeding quality of those roughages.

Farmers in Cowley county now can get answers to their roughage protein problems in 24 hours. Let's take some specific examples.

Irl Johnson, Cowley county farmer, has some steers he is handling on a deferred-feeding program. Some time during July his grass appears to be losing out but he isn't sure whether he should begin caking. So he takes a quart jar and starts for the pasture. He watches his cattle for awhile to see what grass varieties they are choosing and how closely they are cropping it. He then fills his quart bottle with grass of the same varieties and cuts the grass with a knife at the same level as the cattle were grazing.

Grinds the Grass

This grass sample then is taken to the county agent's office. Here Bill Glass, Jr., a chemistry student at Southwestern College, takes over. He runs the grass sample thru an ordinary meat grinder to chop it up. Then puts the chopped grass into an oven, where it is baked for about 2 hours to remove all moisture. The baked sample then is run thru a small burr mill until it is fine enough to go thru a pepper shaker. Thru a distilling process, Mr. Glass then can determine the exact amount of protein in the grass sample. Mr. Johnson has his answer the next day.

Or, take the problem of Bernard Clark, another Cowley county farmer. Mr. Clark is putting up grass silage without wilting, allowing the excess moisture to drain off. When this excess water drains out of his silo does it also take some feeding value away from that silage? Mr. Clark would like to know. This summer at silo-filling time he is having a sample of his silage run thru the lab to determine its protein content. Next winter, when the silage is about half gone, he will have another test made to see what effect, if any, the drainage has had on his silage quality. If there is a loss in protein he can make it up with supplements.

We already mentioned how one farmer had the problem of going from a high-quality to a low-quality alfalfa hay during the feeding period. If that should occur again, he now can take a sample of his poor hay to the laboratory and find out the next day how to adjust his feeding.

Cost of this service to farmers in Cowley county is \$5 a sample, which is about the cost of one sack of cake. "That's pretty cheap insurance," says Mr. Leathers.

Cowley Is a Leader

Cowley county has an advantage over most counties in setting up a protein laboratory. The cost will be high if your county buys all the equipment needed to make protein-content tests. But Cowley county already had a soils laboratory (the first one set up in Kansas), and a mastitis laboratory (also the first county laboratory in Kansas). Only a small amount of additional equipment was needed for protein tests, explains Mr. Leathers. Money to buy this additional equipment came from profits on the soils laboratory.

Another advantage enjoyed by Cowley county is that chemistry students at the college can be used and Dr. L. A. Spitze, chemistry professor at Southwestern, regularly checks the county's tests against a standard sample provided by Kansas State College.

But what is taking place now in Cowley county is an indication of the trend in modern agriculture. Step by step, science is taking the guesswork out of farming. Someday your county, too, may have a protein laboratory, along with many other modern helps.

Paint may be removed from glass by using strong hot vinegar. Paintbrushes that have hardened will soften readily if placed in hot vinegar for a short time and then washed in warm suds.—Mrs. C. C.

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Losing Your Freedom?

(Continued from Page 3)

times greater, on only the 3 items specified, we offer in general little more than platitudinous observations that reveal our small understanding of the devastating effects of a depreciating currency."

Then there is this warning from Friedrich A. Hayek, author of "Road to Serfdom," in an address on "World-wide Shortcomings of Wartime Planning," published in the Commercial and Financial Chronicle of April 19.

"I don't think anyone who has seen the effects not only of the catastrophic inflation of the Central European countries or of the major inflation of the French type, but even the degree of inflation in Great Britain in the past 20 years, can doubt that the elimination of the middle class, basing its position on some supplementary income from property, is probably one of the most serious shocks to the stability of the type of society we live in which could be conceived...."

"If as a result of war economy you abandon the free market and permanently retain the more or less planned system, then your other liberties are doomed."

Evidently Economist Hayek is not for controls and government planning for the individual.

From London—Oscar R. Hobson on "the New Commodity Inflation" in Lloyds Bank Review, April, 1951:

"From the extent of the recent price rise and the wide range of commodities affected, it is clear that the cause was the excess of monetary purchasing power—in other words, monetary inflation.... the world has failed so completely to cope with this situation."

"The reason lies mainly in the falsity, at least the one-sidedness of the economic doctrine, since Keynes first launched it in the early thirties: the doctrine that full employment is the 'categorical imperative' and a high rate of interest the fountain of all economic evil."

"The fact can hardly be denied that the only country which had it within its power to restrain the frightening upsurge of commodity prices was the

United States and she so far has failed signally to exercise that power...."

"Only an effective restriction of private purchasing power competing with the public purse for supplies of materials could really have prevented prices from running away."

"Such restriction was ruled out by the refusal of the Treasury to depart one iota from its set policy of maintaining the rate of interest on long-term bonded debt of the United States at 2½ per cent. In pursuance of that policy, the Federal Reserve System has been under instructions to buy from the member banks any amounts of 2½ per cent bonds they choose to offer at a price fractionally above par. The effect was that these bonds were endowed with the qualities of cash.... In fact, the amount of credit created under the operation of this 'monetization of debt' practice has been prodigious... the creation of some \$8,000 million of extra credit."

And here's word from Canada from an address on "Canada's Progress Under Changed Economic Ideas," by W. T. G. Hackett, economic adviser, Bank of Montreal, as published in The Commercial and Financial Chronicle of April 19:

"A look at the 'terrible thirties' in the light of history will, I think, convince any fair-minded observer that the world-wide dislocations of the time were as much due to interference, by governments, with the processes of international trade as to the shortcomings of business enterprise...."

"The postwar years have shown with compelling clarity that economic well-being cannot be fully underwritten by governmental action.... Significant is the fact that anti-deflationary measures are politically easy, but that anti-inflationary measures are politically difficult."

"Finally, the theories of planned stability, while offering us a formula for full employment, have not yet come up, in practice, with a recipe for full employment plus a dependable dollar."

Without a dependable dollar, a free people cannot remain free.

Many Kansas Counties Enter U. S. Soil Contest

SOIL conservation districts in 71 Kansas counties have made entries in the 1951 Goodyear Tire & Rubber Company's Soil Conservation Awards program. Score cards are to be completed by district supervisors and sent to the state judging committee by midnight July 9. R. C. Lind, Kansas State College Extension soil conservationist, says the state judging committee will pick winners from these score cards. Selection of champion conservation farmers will be sent to the Goodyear

company by the deadline—July 30.

Selection of Kansas' winning district will be based on work records of district governing bodies, rated according to a uniform point system card. Credit will be given for work in organization, education, planning, publicity and accomplishment. Winning district will designate also 3 outstanding farmer-co-operators to receive awards.

Kansas is one of 9 states comprising the USDA's Regions 4 and 5, the area eligible for competition.

National Hereford Congress Inspires Breeders

THE GOAL of the National Hereford Congress at Salina, June 12 and 13, was to inspire Hereford breeders to do a better job of producing good livestock. And on hand to gain this inspiration and to share knowledge of beef production practices were both the bona fide commercial and purebred breeders from over the nation, and leaders in many fields who breed Herefords as a hobby. About 2,000 persons registered for the 2-day event, and more than 40 state breed associations were represented.

Keynote address was given by Dr. A. D. "Dad" Weber, associate dean and director, Kansas Agricultural Experiment Station. He said the challenge to all beef breeders is to produce good livestock at a reasonable price for benefit of both producer and consumer, to boost the standard of living for peoples everywhere.

Group sessions during the Congress were made up of 3 discussion panels—on meats, commercial cattle and purebred Herefords. At the meats session, representatives of these groups were on hand to discuss what the buyer wants in an animal so best quality cuts can be obtained—packing company, ranch manager, agricultural college

home economics specialist, restaurant chain, 4-H Club meats production contest winner, and Hereford owner.

At the commercial cattle panel discussions were on such topics as herd bull management, calf crop, what feeder and steer grazer want, and marketing. Representatives of these groups led in the panel—Hereford breeder, cattle feeder, pasture operator, cattle company, and Future Farmers of America national president.

At the purebred Hereford panel, Congress visitors discussed goals for breeders, breeding, development, merchandising, function of the American Hereford Association in Hereford improvement, and registration problems of the national association. Leading in this session were officers of the national association, experiment station associate director, farm and ranch managers and Hereford Journal editor.

A popular display was a demonstration of 3 sets of carcasses, animals and various cuts of meat.

The event was sponsored here by the Kansas Hereford Association in cooperation with the American Hereford Association. For more details on the annual Congress, see your Kansas Farmer, June 2 issue.

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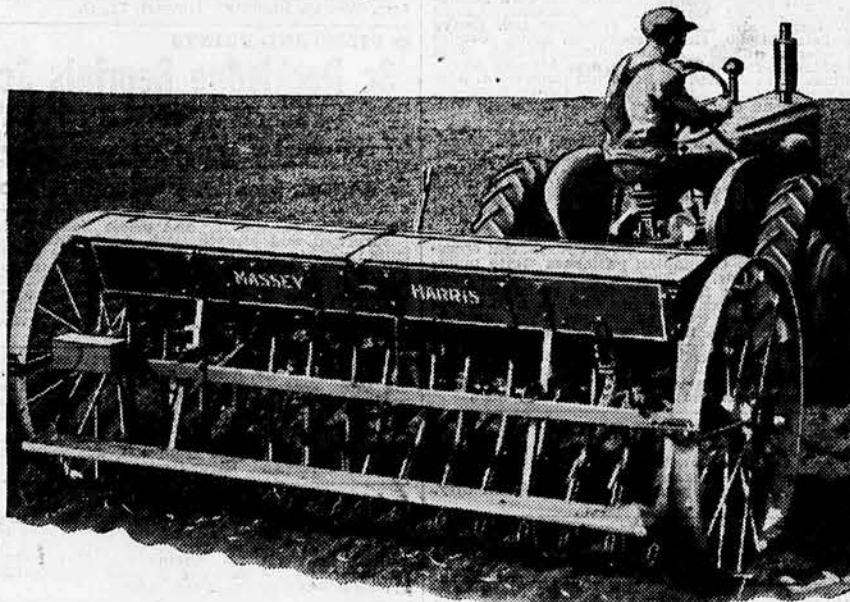
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Coming Events

- July 8-11—Chase county 4-H younger group camp, Rock Springs Ranch.
- July 9—Jefferson county-wide home economics judging school, Oskaloosa.
- July 9—Washington county, district 4-H dairy judging school, with Fred Foreman, KSC specialist, Washington.
- July 10-13—Seward county, extension agent's summer conference and school.
- July 11—Brown county 4-H dairy judging school.
- July 11-14—Miami county camp, Rock Springs Ranch.
- July 13—Shawnee county, beef tour, with Bass Powell, KSC specialist. Also to include a "fitting and showing demonstration," which will interest 4-H'ers.
- July 13—Elk county home economics advisory committee meeting, Howard. Plans for play day to be made.
- July 13—Bourbon county, annual Farm Bureau fish fry.
- July 15-18—Kingman county 4-H'ers to Rock Springs Camp.
- July 15-August 11—Southwest 4-H camp, operating for Southwest Kansas counties, Wright.
- July 15-18—Barton county, older 4-H camp, Rock Springs Ranch.
- July 16-18—Shawnee county, county agents Eastern district conference, Topeka.
- July 16—Barton county 4-H council.
- July 18-19—Sumner county 2nd annual wheat festival, Wellington.
- July 18-21—Republic county, Scandia, picnic, carnival, Square dancing.
- July 19-21—Lincoln county, Northwest district county agent conference.
- July 20—Brown county 6th 4-H tractor maintenance school, Hiawatha, Cowan Implement Co.
- July 20—Miami county 4-H livestock judging school and contest tour.
- July 20—Ford county, Western DHIA directors' meeting, Dodge City.
- July 22-25—Chase county 4-H camp for older groups, Rock Springs Ranch.
- July 23—Johnson county dairy tour, with KSC specialists Fred Foreman and George Gerber.
- July 23—Johnson county, 4-H foods leader training, with Elizabeth Randle, Olathe.
- July 23-24—Flint Hills Hereford tour, start at Engler & Sons ranch, 5 miles south and 1 mile west of Topeka.
- July 23-25—Jewell county, Old Settlers Days.
- July 24—Wabaunsee county Cattleman's Association, annual Bar B Que, on Kermit Roth farm.
- July 24—Barton county irrigation demonstration.
- July 24—Jefferson county dairy tour.
- July 24-25—Elk county 4-H camp, Sedan Lake.
- July 25—Leavenworth county dairy tour, with Fred Foreman, KSC specialist.
- July 25-28—Five-county (Saline, Marion, McPherson, Rice and Dickinson counties) 4-H camp for older group, Rock Springs Ranch.
- July 26—Ford county 4-H council meeting, Windhorst.
- July 26—Barton county 4-H and Chamber of Commerce members' annual picnic.
- July 26—Neosho county Farm Bureau and 4-H Club picnic.
- July 26-27—Shawnee county Eastern Kansas judging school, Topeka.
- July 26-28—Osborne county, Downs annual celebration, Downs.
- July 27—Elk county-wide beef tour and barbecue in northwest portion of county with Lot Taylor and Ray Hoss, KSC specialists.
- July 28—Dickinson county, State Shorthorn picnic, Eisenhower Park, Abilene.
- July 28—Miami county, women's hobby-lobby day.
- July 29—Edwards county, Rural Life picnic.
- July 29-August 2—Reno-Shawnee counties 4-H camp, Rock Springs Ranch.
- July 30-August 4—Montgomery county, Old Settlers Day, Cherryvale.
- July 30—Sumner county Hereford tour in vicinity of Caldwell.
- July 30—Johnson county, terracing and waterway demonstration, with Walter Selby, C. T. Hall and Orville Love, KSC specialists.
- July 30-31—Barton county leader training lesson on insurance, with Gladys Meyers, KSC specialist.
- July 30-31—Jefferson county women's camp, Sycamore Springs.
- July 30-31—Sedgwick county, district 4-H livestock judging school.
- July 30-August 1—Washington county, "Annual Days of '49," parades, horse show, carnival, Hanover.
- July 31—Elk county, nutrition meeting, one-dish meal demonstration by Mary Fletcher, for all unit nutrition leaders. All-day meeting.
- July 31—Cloud county district grain fumigation school, with Norman Whitehair and Dell Gates, KSC specialists, in charge.
- July 31-August 3—Clark county fair-rodeo-horse show-4-H fair, Ashland.
- August 1—Brown county, Lambert-Dickerson dairy day, Hiawatha.
- August 1—Leavenworth county, soil conservation field day, with Harold Harper and Walter Selby, KSC specialists.
- August 1—Miami county, meeting with Charles Parks, KSC landscape specialist.
- August 1-4—Lincoln county 4-H Club camp, Rock Springs Ranch.
- August 1-4—Washington county 4-H camp, Rock Springs Ranch.
- August 1-4—Sheridan county 4-H and FFA fair, Hoxie.
- August 2—Reno county, district fumigation school for grain men, Hutchinson.
- August 2-3—Morris county, livestock district 4-H judging, Council Grove.
- August 3—Jefferson county-wide 4-H room improvement tour.

Save Time Seeding Grain

With a Massey-Harris Grain Drill



Consider the better job of seeding a Massey-Harris Grain Drill gives you . . . add the time and money it saves you, and you'll understand why more and more farmers are using Massey-Harris Drills. They're field-proved!

Positive-acting grain runs, divided for large and small seeds, feed accurately, uniformly. A two-speed "sunflower" drive gear with 8 rows of teeth gives you a wide range of seeding rates. Big telescoping spouts carry grain direct to seed boots, guard against troublesome clogging.

Easy-turning double discs follow the contour of your field to insure a uniform depth of seeding. Constant-height power lift raises drill out of ground quickly . . . assures full clearance . . . gives you light, medium or heavy penetration. Drive runs in oil, starts when furrow openers are lowered . . . stops when they're raised.

Massey-Harris Depth-O-Matic Hydraulic Control available.

Steel grain box prevents costly leaks . . . holds more seed, lets you cover more acres without refilling. Sturdy angle-bar frame supports box and drive unit . . . holds drill in perfect alignment through season after season of hard use.

Massey-Harris makes a model and size drill to fit your needs, too! The "300" Series is available with 6, 7 or 8-inch furrow spacings, ranging from 16 to 28 runs . . . the 20-A combination Grain and Fertilizer Drill (shown above) with 7-inch spacing and 11, 12, 13, 15 or 20 run sizes.

See your Massey-Harris dealer for full details on the complete line of Massey-Harris grain drills, tractors, combines and equipment. For free folders by mail, send coupon below.

Make it a Massey-Harris



THE MASSEY-HARRIS COMPANY, Quality Avenue, Racine, Wis., Dept. G-75
Please send me a free copy of your booklet on Massey-Harris planting equipment.

Name
Town R.F.D.
County State

Western Land Roller PUMPS FOR IRRIGATION

CENTRIFUGAL and TURBINE PUMPS

AVAILABLE WITH Direct Connected Electric Motor, Flat or V-Belt Drive or Right-Angle Gear Drive

ANY CAPACITY 300 TO 2500 GALLONS PER MINUTE, AND ANY LIFT FROM 10 TO 300 FEET

WRITE FOR INFORMATION
MANUFACTURED BY **Western Land Roller Co.**
HASTINGS, NEBRASKA

Classified Advertising Department

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	Cost Per	Column	Cost Per
Inches	Issue	Inches	Issue
1/4	\$4.90	2	\$19.60
1/2	9.80	3	29.40
Minimum—1/4-inch.			

Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads.

Write for special display requirements.

Kansas Farmer, Topeka, Kan.

● BABY CHICKS

Surplus Chick Bargains! Choice AAAA and AAA White Rocks, White Wyandottes, New Hampshire, Barred Rocks, Reds, Anconas, Austrias, Whites, White Leghorns, \$7.95 per 100. Heavy pullets, \$13.90. Heavy cockerels, \$7.95. Brouler cockerels, \$2.25. Light pullets, \$17.95. Fast broilers, profitable layers. Up to 342-egg bloodlines. U. S. Approved, Fullorum Controlled. Also started chicks. Alive delivery. Order from ad, give second choice, \$1.00 deposit required. Fulton Hatchery, Box 6-E, Fulton, Mo.

White, Barred Rocks, Hampshires, Reds, Wyandottes, \$9.95; pullets, \$12.95; cockerels, \$10.95. White, Brown Leghorns, Austrias, Whites, Black, Buff, Minorcas, \$9.95; pullets, \$15.95. Heavies, \$8.95. Mixed, \$7.95. Leftovers, \$6.95. Fryers, \$5.95. Barnyard Special, \$4.95 up. FOB 100% alive. Catalog. Bush Hatchery, Clinton, Mo.

Coombs Broiler Chicks. Silver Cross. Real cross-bred vigor. Columbian patterned white plumage. Fast growing. Fast feathering. Make good profits on our farm. Excellent satisfaction to broiler customers. Hatching now. Can fill orders promptly. U. S. Fullorum Passed. Free circular. Write: Coombs & Son, Box 6, Sedgewick, Kan.

DeForest Blue-blood Chicks Production or Broiler breeds. Hatching year around. Broad-breasted Bronze and Beltsville White Poulters in season. DeForest Hatcheries, Box E, Peabody, Kan.

● MACHINERY AND PARTS

Don't Be Ducked at the elevator—save the full feed value of your hay! Write for testimonials acclaiming the success of Hesse Hay & Grain Dryer. Hesse Company, 1213 Dace, Sioux City, Iowa.

One-way and Disc Sharpener \$27.50 prepaid. Operates from any farm power. No dismantling. Guaranteed. Write for circular. Tri-State Automotive Co., Kimball, Nebr.

For Sale—Used M Farmalls, 28x46 McDeering thresher with belts; used 15x30 8-ply tires and wheels for M to trade. Chas. Snodgrass, Wamego, Kan.

Parts for Sargent Loader and Sargent Wheel Type Side Delivery Rake. Write for prices. Omaha Specialty Co., Box 854, Omaha 1, Nebr.

We Sell Rain. Flood gates. Sprinkler systems. If it's irrigation equipment try us—we trade. Conrad's, Gaylord, Kan.

● FARM EQUIPMENT

SILO SEAL Protect your silo walls. Write today for free literature.

McPHERSON CONCRETE PRODUCTS CO.
904-1126 West Euclid
McPherson, Kansas

For Sale—40% Butyl Ester 2.4-D. 2 1/2 lbs. of 2.4-D per gal. 5 gal. prepaid to you \$22.50. A well known brand. Beloit Battery & Electric, Beloit, Kan.

Very Low Cost Wire Winder. Roll and unroll wire with tractor power and speed. Free literature. Midwest Wire Co., South St. Paul, Minn.

● AUTOMOTIVE

For Sale—New Fairbanks-Morse and Wiles magnetos for all models John Deere Tractors \$20.00 prepaid. Give model and year of your tractor. Beloit Battery & Electric, Beloit, Kan.

● EDUCATIONAL

AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 17 years in Operation. Don't be misled. Term soon. Free catalog. Write **REISCH AUCTION SCHOOL**, Mason City, Iowa

Can Christians Go to War? Bible information every citizen should read. Government regulations boys should know before registering. Order today. \$1.00 copy. Postpaid. Murdock Co., Farmington, Mo.

Auctioneering—Term soon. Dept. 22, Missouri Auction School, 3429 Troost, Kansas City, Mo.

July 21

Will Be Our Next Issue

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

Friday, July 13

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

THE MORE CONTRIBUTIONS

The More Crippled Children Cared For
The number of children treated is limited by the funds contributed. You can make it possible for some handicapped child to get the treatment it needs by sending your gift to The Capper Foundation for Crippled Children, Topeka, Kansas.

● LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average 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 for your farm! Write for Facts and Free sample copy of Milking Shorthorn Journal. American Milking Shorthorn Society, Dept. KF-5, 313 So. Glenstone, Springfield 4, Mo.

● DOGS

Shepherd Pups ready to train. Males \$10.00, females \$5.00. Heelers guaranteed. Lloyd Thalmheim, Long Island, Kan.

Rat Terrier Puppies. Bred for ratters. Crusaders Kennels, Stafford, Kan.

Wanted—Fox Terrier Puppies. Box R, Stafford, Kan.

● RABBITS AND PIGEONS

Earn Up to \$400 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark 71, O.

● FILMS AND PRINTS

3c Deckledge Reprints 3c
Reprints size as negative 3c and oversize prints 4c. 6- or 8-exposure roll developed and printed one each 25c or two each for 35c. Three 5x7 enlargements for 50c. Four 5x10 for \$1.00. Your favorite photo copied and 10 billfold pictures 65c. **Summers Studio, Unionville, Mo.**

Unbeatable for quality and price. You will be surprised and pleased with the beautiful results from our celebrated Jumbo Oversize finishing. Low prices, same as contact. 8-exposure roll superfine finish only 35c. 12-exposure, 50c. 16-exposure, 60c. 36-exposure, \$1.35. Oversize reprints, 4c. 5x7. Send us your order, you will be delighted. Free mailers. Mailbag Film Service, Box 5440A, Chicago 80, Ill.

Look Out the Window! The scene you see is not black and white, neither are our prints. Amazing new electronically controlled process makes perfectly toned premium quality enlargements. 8-exposure roll, 39c; 12-exposure, 59c; reprints, 5c. Perfect-Tone Photo, Janesville 9, Wis.

16 Prints or 8 Jumbos from roll, 25c with this ad. 1 Skrudland, River Grove, Ill.

● SAVINGS AND LOANS

Let the Mailman help you save. Our advertisement in this issue tells how you can save by mail and earn 3% at the current rate. We'll be glad to send you full particulars. Max Noble, president, United Building & Loan Association, 217 East Williams, Wichita, Kan.

● REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C706, Kansas City 3, Mo.

● WANTED TO BUY

Wanted: Horse Hair, Tail and Mane. Rabbit skins, wool, pelts, beeswax. Write for prices, shipping tags. Sturges Co., 2630 "N" St., Omaha, Nebr.

● AGENTS AND SALESMEN

For Those Extra Dollars show the Hye-Quality line of Christmas and Everyday cards. Christmas Feature 21 in — Everyday 21 in — an improved White Christmas box—gift wraps—imprint stationery, napkins, personalized matches and many attractive gift items. Imprinted Christmas cards 50 for \$1.25 up to 25 for \$2.95. Folders free. Orders shipped within 24 hours. Exclusive Doehla distributors also. Cheerful and other fast selling lines. Write today. Hye-Quality Card Co., 1020 McGee, Kansas City 6, Mo.

At Last! Something new and sensational in Christmas Cards. Make extra money fast! Show gorgeous satins, velours, metallics never before offered. Gets easy orders! Pays up to 100% cash profit. Free samples 30 Christmas cards with name, 50 for \$1.25 up to 80 assortments. Personalized matches and stationery, gifts. Several \$1.00 boxes on approval. Write Puro Co., 2801 Locust, Dept. 187-J, St. Louis, Mo.

● OF INTEREST TO WOMEN

Stamped Linens for Resale. Buy from manufacturer at low cost, embroider and resell at a profit. Free 28-page catalog featuring Seamless tubing Pillow Cases, Scarfs, Banquet Cloths, Luncheon Sets, Show Towels, Baby Articles, etc. Write: Merrilee Art Embroidery Co., Dept. 711, 22 West 21st St., New York 10, N. Y.

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.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 4911 E. 27th St., Kansas City, Mo.

● FEATHERS WANTED

West Chicago Pays More: Get highest cash prices for your goose and duck feathers. Send sample for price of used feathers. Free shipping tags. Prompt payment. Company highly rated. West Chicago Feather Company, Dept. C. G., 172 N. Aberdeen St., Chicago 7, Ill.

● FARMS—MISCELLANEOUS

Big Free Summer Catalog! Farm and country real estate bargains, good pictures, many states, easy terms, many equipped, business opportunities. For Special Service, state requirements, desired location. United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

Strout's Farm Catalog. Green cover! Mailed free! 3084 bargains, 33 states. World's largest! Our 51st year. Buy now, beat inflation. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

● OF INTEREST TO ALL

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized. Amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Burson Laboratories, Dept. H-81, Chicago 22, Ill.

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

Outdoor Toilets, Septic Tanks, Cesspools cleaned, deodorized. Amazing enzyme powder saves digging, pumping, moving. Details free. Solvex Products 5, Monticello, Ia.

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

Book on Water Witching \$1.00. Circular free. Wyss, 104 1/2 Francis, St. Joseph, Mo.

What Leading Cattlemen Said

... At Beef Cattle Herdsmen's Conference

Kansas State College, June 4-5

A BULL for the beef cattle herd needs regular attention all year. He needs his feet trimmed twice a year, good rations fed regularly, regular baths in summer, a good tail trim every 2 months or so, plenty of good clean water in a clean trough, good shelter. — W. J. Largent, Hereford breeder, Merkel, Tex.

When feeding beef animals on "Show Day," feed promptly at your regular times each day for best results and for normal conditions. And feed just as normally and regularly the day before "Show Day," also. — Urban Simon, Simon Angus Farms, Madison, Kan.

If a bull is worthy of selection for your beef cattle herd, he's certainly worthy of your best care. The herd bull needs a ration of good feed during the months he isn't being used as a sire. A good ration is 50 per cent crimped oats, 20 per cent cracked wheat, 20 per cent bran and 10 per cent cracked corn. Extra work will pay off in taking good care of your herd bull. There are 2 main advantages of keeping the bull in good condition: prolongs his usefulness, and it helps sell offspring when folks see a good-looking bull. — W. J. Largent, Hereford breeder, Merkel, Tex.

This ration for young beef calves has proved successful with us—40 per cent oats, 25 per cent crimped corn, 25 per cent crimped barley and 10 per cent bran. We like to give calves plenty of water, and use clean feed pans and containers. If there's any "secret" to successful handling of animals, it's getting them successfully halter broke so they'll be calm and easy to handle. — W. J. Largent, Hereford breeder, Merkel, Tex.

In developing replacement cattle at the J. Garrett Tolan Farms we take heifer calves and let them run with their mothers 8 or 9 months, and later work them down to a good ration for breeding purposes. This ration has been successful as a fattening ration for preparing heifers for breeding: 1/2 ground ear corn, 1/4 oats, 1/4 bran, 2 pounds range pellets per day per head, all the grass silage and hay they can eat, and free-choice feeding of minerals. Don't keep them "hog fat" before pasturing as it's too expensive. — Tex Spitzer, J. Garrett Tolan Farms, Pleasant Plains, Ill.

In successful cow herd management there should be uniformity in breeding, animals should be fed a good ration and improvement should be a goal each year. Plenty of roughage should be fed—you can't hurt a beef cow by feeding her too much roughage. Cows should be given a good wintering, both in ration and in shelter, and a good record book always should be kept on a person for handy reference. — J. J. Moxley, Moxley Hall Herefords, Council Grove, Kan.

Three items make a champion beef animal: Top inherited qualities, proper feed and proper management. — Dr. A. D. "Dad" Weber, associate dean and director, Kansas Agricultural Experiment Station, Manhattan, Kan.

These factors are necessary in good feeding of a beef animal: Lots of hard work, regular feeding over a long period, good feeds mixed well and keeping animals where they'll clean up their feed. The ration fed at Alfalfa Lawn Farm includes oats, 22 per cent; corn, 16 per cent; bran, 14 per cent; dry barley, 20 per cent; cooked barley, 14 per cent and protein, 14 per cent. — Joe Lewis, Alfalfa Lawn Farms, Larned, Kan.

Most of the ration fed beef animals should come from your local area—what you can grow or obtain locally—start out with 1/2 oats, 1/2 bran and 1/2 barley as a basic ration. For a senior calf, we boost corn in the ration to 75 per cent. We feel prairie hay is the finest hay for fitting cattle. For top gains, be sure plenty of water is available for animals. We feel linseed oil meal is the best protein feed for fitting cattle. — Tex Spitzer, J. Garrett Tolan Farms, Pleasant Plains, Ill.

This "carrying" ration has proved successful for yearling bulls—40 per

cent rolled oats, 25 per cent cracked corn, 25 per cent rolled or cooked barley and 10 per cent wheat bran. For roughage, alfalfa is fed once a day in the morning, and prairie hay is fed twice a day—in afternoon and evening. Our ration for 2-year-old females includes 60 per cent oats, 15 per cent corn, 15 per cent barley and 10 per cent bran. When you have to make an abrupt change, taper off in feeding. — W. J. Largent, Hereford breeder, Merkel, Tex.

For a successful sale of cattle make the buyer feel at home, keep animals well sorted, show the ones you want to sell first, put out a good sign on the nearest highway to your farm, and know what you want for your cattle and what they're worth. — Jess Cooper, fieldman, American Aberdeen-Angus Association.

For a successful sale, the value of correspondence before and after a sale cannot be emphasized too highly. You must have the goods, a sale must be well publicized, and there must be co-operation "all around." — K. C. Fouts, University of Nebraska Extension specialist, Lincoln, Neb.

For a successful sale, these suggestions are helpful: Investigate possibilities of various consignment sales in your home area, decide on where you're going with your bulls and stick to your plan, if you don't have what the buyer wants take him around your community to the neighbors so he can buy something in your area, keep your place clean as it indicates the care given animals, and if possible, on a vacation, visit the farm where you've sold animals. — Frank Wilson, fieldman, American Hereford Association.

Let's not lose the values of personal contact between buyer and seller which builds up necessary confidence, and 6 months after a sale, write the buyer a letter and ask him how the animal is doing. Then, later, write him again and ask how the calves are doing. — Bill Wright, American Hereford Association.

Since a beef cattleman is producing a specialized product, merchandising should be given a lot of attention. Advantage of being co-operative and fair to everyone concerning sale of animals cannot be stressed too highly, and it's a good idea to have several people on a farm know about the animals available for sale. — Gene Watson, secretary-manager, Kansas Hereford Association.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$32.25	\$35.50	\$31.50
Hogs	22.50	22.00	24.00
Lambs	33.00	35.50	28.00
Hens, 4 to 5 lbs.	.28	.25	.18
Eggs, Standards	.45	.42	.31
Butterfat, No. 1	.64	.65	.51
Wheat, No. 2, Hard	2.34 1/2	2.37 1/4	2.29 1/4
Corn, No. 2, Yellow	1.73	1.79	1.54 1/2
Oats, No. 2, White	.85 1/2	.95 1/4	.96 1/2
Barley, No. 2	1.32	1.39	1.27
Alfalfa, No. 1	28.00	35.50	24.00
Prairie, No. 1	19.50	19.50	14.00

Kansas Farmer
Topeka, Kan.

Dear Friends:—

I will just have to ask you to discontinue my Shepherd Dogs ads in Kansas Farmer and Missouri Ruralist, as I am quitting the business being close to 82 years old. I think I have had an ad in Kansas Farmer now close to 30 years and it will be just too bad not to have the Chestnut ad appear in your papers.

I have sold a lot of these Black English Shepherd dogs and pups in the last 35 years we have been breeding and selling them.

Very truly yours
H. W. Chestnut

(Mr. Chestnut has been one of our consistent Classified Advertisers and we are sorry that he feels it necessary to close out his business. Thirty years of advertising has proved the value of consistent advertising in Kansas Farmer.)

HOGS

Private Sale DISPERSION
of my Duroc HerdResult of 47 years breeding top quality
and blood of Duroc breed.

Gilts bred to Model Pacemaker boar—Wesley Miller of Montpelier, Ohio, states near perfection in type and quality, some to Stylis Leader—Bosingham says he is a duplicate of his Leaders—Pride—a \$1,510 boar. Spring pigs by our proven sires since 1946 and out of top sows. If possible come make your own selection. If not will describe as I see them. Prices right. Loss of health makes it imperative that I sell. Everything double immuned. Will record all certificates to you. Crate and deliver FOB Lyons.

Thanking you for past support in my 47 years and I know have best ever to offer—you come see. Yours for better Durocs.

G. M. SHEPHERD

Lyons, Kansas

JAYHAWK FARM DUROCS

The Home of State and
National Winners

In this herd you will find the most of the best. Bred Fall Gilts and Spring Boar pigs for sale.



RALPH SCHULTE

LITTLE RIVER, KANSAS

DUROCS

Fancy Fall Gilts bred and Spring Pigs sired by Kansas Harvester by Harvester, the 1950 Nebraska grand champion. Two Fancy Fall Boars by Royal Fleetline 1st.

B. M. HOOK & SON, Silver Lake, Kansas

HAVEN HOLLOW FARM DUROCS
Featuring now daughters of Stylis Wonder bred to Fleet (by Fleetline) for September litters. Also Spring Boars. Best of bloodlines. Registered, immune and guaranteed. Write or see G. F. GERMANN & SON, Manhattan, Kansas

REGISTERED

Hampshire Bred Gilts and Boars

230 to 300 pounds. \$75 to \$100. Pigs 3 for \$95. Sired by our good herd boars.

DWAYN HOLCOM, Gypsum, Kansas

YORKSHIRE GILTS

Choice registered Yorkshire bred gilts. See them at the farm 2 1/2 miles east and 1/2 mile north of Hutchinson. Ralph Barnes, Rt. 4, Hutchinson, Ks.

REGISTERED SPOTTED POLANDS
Gilts sired by Giant Citation and bred to "Diamond Boy," a top son of Diamond X. Also serviceable Boars.

SUNNYBROOK FARM, Richland, Kansas

H. E. Holliday, Owner

REGISTERED SPOTTED POLANDS
Boar pigs, sired by a good son of Vitality Plus, dams from Gates Warren. Reasonably priced.

MARION MITCHELL, Thayer, Kansas

SHEEP

Nebraska Sheep Breeder's 15th Annual

RAM and EWE SALE

Friday, August 3, 1951

State Fair Grounds

Lincoln, Nebraska

90 RAMS—50 EWES

Hampshire, Shropshire, Southdown, Cheviot, Corriedale and Oxford. 10:00 a. m.—Judging Sale Sheep. Sheep Day Program Judge, Tommy Dean, Shepherd, Kansas State College. 1:00 p. m.—Auction sale of sheep. Mail orders filled. For information write:

M. A. ALEXANDER, Secretary
College of Agriculture, Lincoln, Nebr.
Charles Corkle, Auctioneer

HAMPSHIRE RAMS

(YEARLINGS)

20 Commercial Rams—5 Stud Rams

CLIFTON H. DAVIS, Archie, Mo.

1919—Poague's Hampshires—1951

For Sale—Stud and Commercial Rams. Our show record thru the cornbelt states has been tops. Our rams have topped the Midwest and state sales. Inquire of

J. R. POAGUE, Lincoln, Missouri

AUCTIONEERS



HAROLD TONN

Auctioneer and
Complete
Sales ServiceWrite, phone or wire
Haven, Kansas

Livestock Advertising Rates

Effective February 1, 1951

1/4 Column inch (5 lines) . . . \$3.50 per issue
1 Column inch . . . \$9.80 per issue
The ad costing \$3.50 is the smallest accepted.

Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Friday, eight days before.

MIKE WILSON, Livestock Editor

912 Kansas Avenue

Kansas Farmer - - - Topeka, Kansas

IN THE
FIELD

MIKE WILSON

Topeka, Kansas

Livestock Editor

National Hamp Type
Event to Missouri

Missouri will be host to the 13th annual National Hampshire Type Conference at St. Joseph, July 30 and 31. One of the largest crowds ever to attend a purebred hog type conference is expected for the 2-day event. It will be held at the Purebred Livestock Sales Pavilion at the St. Joseph stockyards. Representatives of all phases of the swine industry are invited to attend.

An official type committee will direct type study lessons. Those attending will be given opportunity to take part in judging various classes of animals. Attractive prizes will be given those doing the best of judging. A barrow show will be staged, and carcass values determined. A breeding class show and sale also will be held, with classes for bred senior gilts, junior and senior spring boars and gilts, and a class for a group of 3 spring gilts. Prize-winning animals will sell at auction at the close of the conference.

Missouri Hampshire breeders who led all states in increase of Hampshire recordings last year will be hosts at the event. Also taking an active part in the program will be the St. Joseph livestock interests, Chamber of Commerce and the Missouri College of Agriculture.

Due to all the recent rains and the delay of the wheat harvest, the FLINT HILLS HEREFORD BREEDERS' ASSOCIATION TOUR has been postponed until July 23 and 24. R. R. Melton, Marion, secretary, feels this postponement will be beneficial to farmers and breeders.

MILTON NAGELY, Abilene, writes he has had the greatest demand for Shorthorn bulls the last 4 months than any time since he has been in the purebred business. He reports the sale of a white bull calf and a young bull by his Curtis Candy Mercury Bull to Earl Stoffer, Abilene.

The DICKINSON COUNTY CATTLEMEN'S ASSOCIATION will be host to Kansas Shorthorn breeders at an all-day picnic in the City Park at Abilene, July 28. Although the program is not complete, there will be a type demonstration, judging contest, prefall showing of 4-H steer and heifer projects, and short talks by various Shorthorn breeders. Earl Stoffer and Milton Nagely, Dickinson county Shorthorn breeders, are taking care of further arrangements.

KANSAS ABERDEEN-ANGUS BREEDERS will gather at the G. W. & Ada C. Caldwell Farm at Harlan, July 31. This will be the annual get-together of the Kansas Aberdeen-Angus Breeders' Association. An extensive program has been prepared. Many outstanding Angus breeders from over the Midwest will be present to discuss breed improvement and the promotion of Aberdeen-Angus cattle. The Caidwells invite everyone to be present at their home to enjoy this field day and barbecue.

The ANNUAL POLAND CHINA PICNIC sponsored by the Kansas Poland China Breeders' Association will be held at the C. R. Rowe & Son farm southeast of Scranton on Sunday, July 15. Mr. Rowe says an interesting program has been prepared. The morning will be spent in looking over the good Poland Chinas on the Rowe farm. A basket dinner will be served at noon. The afternoon will be spent with a business meeting and talks from various Poland China breeders, including several men from out of state.

I have a letter from HENRY L. NEUFELDT, Inman. Mr. Neufeldt says he has moved from Little River back to the Neufeldt Farm where he grew up. For the past few years Henry has been engaged in the breeding of Duroc hogs and registered sheep. A new herd sire has been purchased from the Renk herd in Wisconsin. The ram is a grandson of Badley Quinton, the sire of the champion ram at the 1948 Salt Lake Show and world-record price of \$3,350. This outstanding, well-bred sire should cross very successfully on the Neufeldt ewe herd.

The SOUTHWEST KANSAS HEREFORD ASSOCIATION TOUR will be August 9 and 10, announces Carl Smith, Jetmore, president of the association. Although plans are not completed, the 2nd annual tour will be in Barber, Comanche and Clark counties. The tour committee met on April 21 to outline stops of the tour. Members were: Clair Parcel, Coldwater; Paul Neal, Bucklin; Ralph Deewall and Roy Ellis, Coldwater; Gene Watson, Hutchinson, secretary of the Kansas Hereford Association, and George Fritz, Topeka.

A total of 140 4-H Club boys, girls and leaders participated in the 1st NORTHEAST KANSAS LIVESTOCK JUDGING SCHOOL held at the Civic Center, Horton, last Friday, June 22. M. B. Powell and Ray Hoss, KSC Extension livestock specialists, gave instructions on judging of beef cattle, sheep and hogs and made the official placings on the stock exhibited. Farmers who brought livestock into this school were: Billy and Don Lowe, 4-H members, Mercer, breeders of purebred Duroc hogs; Harvey L. Armstrong, Reserve, purebred Suffolk sheep breeder; Robert Swartz, Everest, purebred Angus cattle breeder; Al J. Schuetz, Mercer, purebred Hereford breeder, and Sullivan Bros., Mercer, who brought in a class of fat Hereford steers. Many thanks go to these

folks for bringing in this stock. George Hamilton, secretary, Horton Chamber of Commerce, and his committee arranged the building and judging arena facilities. Members of the Willis All Stars 4-H Club served refreshments during the day. Five counties—Atchison, Brown, Doniphan, Jackson and Nemaha—took part in this event. County agents from these counties, assisting the Brown county agent with this program, included: Clarence Vetter, Effingham; Charles Lyness, Troy; Bill Guy, Holton, and Bob Bohannon, Seneca.

The Extension specialists stressed the importance of first impressions in the judging of livestock. An entire class of animals also can be seen best from a distance and then carefully looking over each animal from the side, front and rear. Animals should not be handled until you have looked the entire class over carefully. Thickness and firmness of the flesh of fat animals may be told thru the feel. Those 4-H Club members in judging work learn selection of good livestock, making accurate observation and judgment, ability to tell why they make a placing, and sportsmanship.

The EAST CENTRAL KANSAS HOLSTEIN BREEDERS' ASSOCIATION held their 1st production sale at Tonganoxie, Wednesday, June 20. Sixty-seven head of breeding cattle were selected from the leading herds in that vicinity, however a few of the cows were high grades. Demand for this offering was very good and the cattle were presented in very fine condition. Sale chairman Grover G. Meyer had all details in tip-top shape. He also was assisted in the sale preparation by Martin Dickinson, Homewood, and Francis Wempe, Lawrence. Both the latter gentlemen are enthusiastic breeders. The bulls selling in the sale ranged in age from baby calves to yearlings. The average was \$295. The female section of the offering consisted of mostly 2-year-olds and cows, however there were several short yearling heifers. The average on the females was \$392 per head. A top of \$800 was reached on both bull and female. Francis Wempe, Lawrence, was the purchaser of both top animals. Wade Morris and Charley Cole were auctioneers.

Public Sales of Livestock

Aberdeen-Angus Cattle

November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.

December 12—Commercial and Purebred Angus Sale, Dodge City, Kan. Don L. Good, Secretary, Manhattan, Kan.

Brown Swiss Cattle

September 10—Rex H. Winget, Cushing, Okla.—Complete dispersal.

October 17—Tri-State Sale at Topeka, Ross W. Zimmerman, Sale Manager, Abbeville, Kan.

Guernsey Cattle

October 19—Ninth Annual Kansas Guernsey Breeders Consignment Sale, Fairgrounds, Hutchinson, Kan. C. J. Graber, Secretary, Rt. 1, Newton, Kan.

Hereford Cattle

October 12—Brown Brothers, Fall River, Kan. October 22—Beeks & Cleland, Baldwin, Kan.

October 30—North Central Kansas Hereford Sale, Dr. George Wreath, Sale Manager.

November 1—Flint Hills Association, Cottonwood Falls, Kan.

November 2—Haven Hereford Breeders, Hutchinson, Kan.

November 2—Central Kansas Polled Hereford Association Show and Sale, Herington, Kan.

O. J. Shields, Sale Manager, Lost Springs.

November 3—Jesse Riffel & Sons, Enterprise, Kan.

November 7—Cowley County Hereford Breeders, Winfield, Kan.

November 10—W. H. Tonn & Son, Haven, Kan.

November 12-13—Sunflower Futurity, Hutchinson, Kan.

November 14—K Ranch, Hutchinson, Kan.

November 19—Summer County Breeders, Caldwell, Kan.

December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.

December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.

February 14, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.

Holstein Cattle

October 10—Kansas State Holstein Association Sale, Abilene, Kan. Grover Meyer, Chairman of Sale Committee, Basehor, Kan.

October 25—Central Kansas Holstein Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Jersey Cattle

September 17—Ridge Run Farm (J. K. Burney, Owner), Aurora, Mo. Laurence Gardiner, Manager, 1863 Cowden Ave., Memphis 4, Tenn.

Shorthorn Cattle

September 17—Gregg Farms Dispersion by W. H. Fergus, Land and Cattle Co., at Silver Top Farms, Belton, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

September 28—Hartley Stock Farms, Baxter Springs, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

September 29—J. L. Early, Carl Junction, Mo. Mervin Aegerter, Sales Manager, Seward, Nebr.

Ayrshire Cattle

September 10—C. C. McGennis, Rich Hill, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

Polled Shorthorn Cattle

October 22—Missouri Breeders' Association, Sedalia, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

Duroc Hogs

August 23—(Night) C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.

October 13—NCK Duroc Sale, Belleville, Kan. Dr. George Wreath, Sale Manager.

Hampshire Hogs

July 30 & 31—National Hampshire Type Conference Show and Sale, St. Joseph, Mo.

Poland China Hogs

September 2—Albert Morgan, Alta Vista, Kan. October 22—C. R. Rowe & Son, Scranton, Kan.

Hampshire Sheep

August 4—Northwest Missouri Breeders' Association, South St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

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20 Polled
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Silos Setting New Records

(Continued from Page 1)

years brought some relief, but bundles still had to be unloaded from the wagon.

Field choppers were sold about as rapidly as they could be obtained by dealers last year. And indications are demand will stretch far beyond supply this year. Field choppers are being allocated, several dealers told us.

Nevertheless, field choppers already in service and those still expected are making a difference. Now the sorghum crop can be cut right in the field, blown into a truck and pulled off the truck with mechanical power. Some even are talking about eliminating the job of pulling the chopped feed out of trucks into blowers. They have heard about new suction blowers that pull the feed out of the truck and force it up over high silo walls.

These same labor-saving field choppers are stirring up a lot of questions about grass silage in the western half of the state, too. They're talking about putting up that first crop of alfalfa for silage. The finger is being pointed at that tall-growing crop of sweet clover in some areas. What else these livestock men will find to fit the grass silage idea remains to be seen.

In Hurry for Them

About the silos: We looked around in Ellis county a bit. Farmers in Ellis just couldn't get silos built quickly enough last year, County Agent Jewell Gebhart reports. They did pretty well, tho. Gebhart received reports of 47 built in that county alone last year. Eleven of those were uprights.

What about this year? Mr. Gebhart believes this season may see that many built again. It depends somewhat on the sorghum crop, of course.

Millard Moore, Ellis county, had 2 bulldozers digging trenches a year ago. At times they were running day and night. His father, M. M. Moore, said Millard built more than 100 trench silos in 1950. Not all were in Ellis county, of course.

Russell county went great guns on silos last year, too. More than 100 were built, believes County Agent Bernard Jacobson.

Everywhere you hear about feed left in silos this spring after cattle went to grass. Gerhart Spreen, northwest of Hays, put up a 16-by-40 upright silo last year. He filled it with Leoti red and Ellis sorghum. After wintering 40 head of cows and spring calves, he still had 16 feet of ensilage left in spring. That is some assurance for next winter's feed.

Cost of wintering that herd was about \$25 each, Mr. Spreen figured. That cost included 1 1/2 tons of silage, 10 bushels of grain, 150 pounds of cake for each head during the 150-day period. For that cost of \$25 his steer calves showed a gain somewhere between 175 and 200 pounds. You can see why he is glad he already has some silage in view for next winter.

Wants Larger One

Mr. Spreen had a trench silo before he built the upright. But the trench walls caved in at one spot where he hit a sand streak. And he struck rock while building it and wasn't able to get drainage. After that experience he built the upright, but wishes now he had built a bigger silo.

He was able to pick up a used field chopper and blower to put up his silage crop last year. Then when winter set in he started to feed ensilage out on grass. But they wasted too much feed that way, Mr. Spreen pointed out, so he built bunks to feed the stored forage.

Southwest of Hays, M. M. Moore and son, Kenneth M. Moore, built a trench silo 3 years ago that would hold 170 tons of feed. Last year they dug another close to it that would hold 160 tons. The smallest trench was emptied during winter to feed 60 head of cattle. But the 170-ton trench was barely touched. Nearly all the feed they stored in it a year ago is being held over for another season. They plan to build another trench this summer, if they get another crop.

Right now they are sitting right at the top of the sorghum picture. All we need do is raise one crop in the next 2 years to assure winter feed for our cattle, the Moores point out. They planned to put a 6-inch cover of dirt over the silage that was left. With this

cover it would keep for years, if necessary.

Walls of their trench silos were built straight up and down and have given no serious trouble. Some slope to the walls, however, would seem to give added assurance against cave-in.

A small cave-in occurred this spring on one of the trenches, so they pulled a furrow around the outside of each trench to drain water away from them. These furrows are about 6 feet from the edge of the trench. Silo was thrown in to provide a small terrace between the furrow and the trench.

Built right in a native pasture, each trench is protected from livestock by wire fence. Located south of a large pasture pond and dam, the trenches also are protected partially from north winds. Where there is danger of snow blowing into the trench they put up snow fences in winter.

The Fort Hays State Teachers College farm built a huge trench silo a year ago and lined it with concrete. This trench is a little more than 100 feet long. Average depth is 12 feet with width of 11 feet at bottom and 13 feet at top. It holds 250 tons of silage. This trench is deepest at the closed end but is equipped with a drain that opens into a sand pocket at back side.

An 8-sided feed arena was built close to the mouth of the college farm trench this spring. We have never seen the likes of this feeding arena before, but it does seem to have possibilities. The arena provides about 66 feet of bunk space, inside measurement, and will be sufficient for 50 cows at one standing, believes farm manager Andrew Riegel. There is an opening in the hexagonal bunk next to the trench silo. At opposite end a small tile feed house was built to hold grains and concentrates.

Ground inside the hexagonal bunk was brought up to a level with the bunks and rock packed into soil around

(Continued on Page 27)

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the outside will provide solid footing for cattle.

A small draw runs between this trench silo and the feeding arena which required a small stretch of road building and a culvert. Cost of digging for the trench, extensive concrete work on the inside and the culvert was about \$2,500. The feed arena cost about \$1,500, Mr. Riegel reports.

Trenches without concrete linings cost considerably less than the huge silo on the college farm. There is no set figure on cost. It depends considerably on location and soil structure, too. Cost can in some instances run as low as \$40 or \$50 and from there on up to \$100 or even more. As for the feeding arena on the college farm, Mr. Riegel figures a farmer could build similar equipment for about \$400. That would not include feed house and concrete walkway around inside of the arena.

This silo and feeding arrangement on the college farm is designed to eliminate practically all hand labor. A tractor and scoop is used to bring silage out of the trench. The equipment can be backed right into the feeding arena from where silage is dumped directly into bunks.

Other farmers are talking about building silage-unloaders on their trucks to eliminate the pitching job when feeding. One scheme in mind is

to use an auger somewhat like numerous grain unloaders used in that area the last few years. With these augers they would unload silage directly from trucks into feed bunks, all with mechanical power. These dry-land boys are hard to beat on mechanical ingenuity. Soon after they have a labor-saving idea you see it in operation.

The same track-type tractors used to build trenches are used to pack ensilage. Wheel tractors are used, too, to press chopped feed firmly into horizontal silos. Solid packing makes for minimum spoilage even in an open trench.

Silos enhance the value of forage crops. It has been estimated one acre of sorghum made into silage will feed the same number of livestock units as 2 acres of bundle feed. That is for the first winter only. After that bundle feed deteriorates rapidly, while silage has been kept more than 10 years in certain cases without noticeable decline in feed value.

In normal years wheat pasture is a great thing in Western Kansas. But when wheat pasture fails to materialize, good silage programs help stabilize the livestock industry. Assurance of winter feed is an important part of the livestock cycle in Western Kansas. And the silo is carrying a big portion of that winter-feed load.

Kansas Wheat Crop Good One After All

Green bugs, cool weather, too much rain, new smut disease, mosaic disease. These were a few blows which hit Kansas wheat since fall seeding and caused many to release pessimistic reports on the 1951 crop.

But some news reports agree with many Kansas farmers and others who knew all along there would be a wheat crop. USDA estimate of June 1 set the yield of the 1951 crop at 160,920,000 bushels, a gain of more than 5,000,000 bushels since the May 1 estimate! The 1950 crop totaled 178,000,000 bushels, so the picture isn't so black after all. And figuring wheat at \$2.13 a bushel, the 1951 crop will mean a total of \$342,759,000! *Kansas Farmer* takes a small pat on the back for being optimistic about the 1951 crop. This is part of what we said in the April 21 issue: "There will be wheat in Kansas this year . . . We may even harvest more wheat this year than the average of 149,391,687 produced during the 30-year period from 1921 to 1950."

Is It True?

IS IT TRUE milking time of cows runs in "families"? Is it true there's a scientific milking method that will produce 5 pounds of milk a day more for each dairy cow?

All dairy cows cannot be put on a 3-minute-a-cow schedule for milking. Prof. G. H. Beck, of the Kansas State College dairy department, states tests there indicate milking time of cows runs in families. If a cow is a slow milker, her daughter will be too. Since milking time is a physical characteristic, cows cannot be trained or stimulated to milk faster. Professor Beck says dairymen wanting faster milkers should breed the fast-milking families. A scientific way of milking cows used

on Kansas State College cows produced 2.7 more pounds of milk a milking, or more than 5 pounds a day more for each cow. This is the proper method to get more milk: clean udder and teats; hand strip to stimulate internal nerves of udder before attaching milking machine or milking; a cow should not be stimulated more than 3 minutes before milking—if the pre-milking stimulation occurs several minutes before milking, considerable milk is lost.

Paper towels recently on the market may be used instead of udder cloth for pre-milking stimulation. This stimulation is necessary at proper time due to the "let-down" hormone that assists in milking, explains Professor Beck.

Still in the Capper Family

AFTER nearly 5½ years as associate editor of *Kansas Farmer*, Ed Rupp joined the editorial staff of *Capper's Farmer* in mid-June. With that magazine he will be doing work similar to what he has done with *Kansas Farmer*. However, he will work thru-out the Midwest, getting into about 15 states.

During the last war Ed was in the U. S. Navy nearly 4 years. In that time he spent 6 months in the Pacific as a correspondent for the Navy. Most of his time overseas was aboard an aircraft carrier sending home stories about the personnel aboard that ship.

After his discharge from the Navy, Ed went back to the Abilene Reflector-Chronicle for a short time before coming to *Kansas Farmer*. He had been a reporter for the Abilene daily several years before the war. A native Kansan, coming from McPherson county, he attended high school at Moundridge and was graduated from Kansas State College in 1936.

Don't tell Ed, but *Kansas Farmer* editors think he is one of the top farm



Ed Rupp

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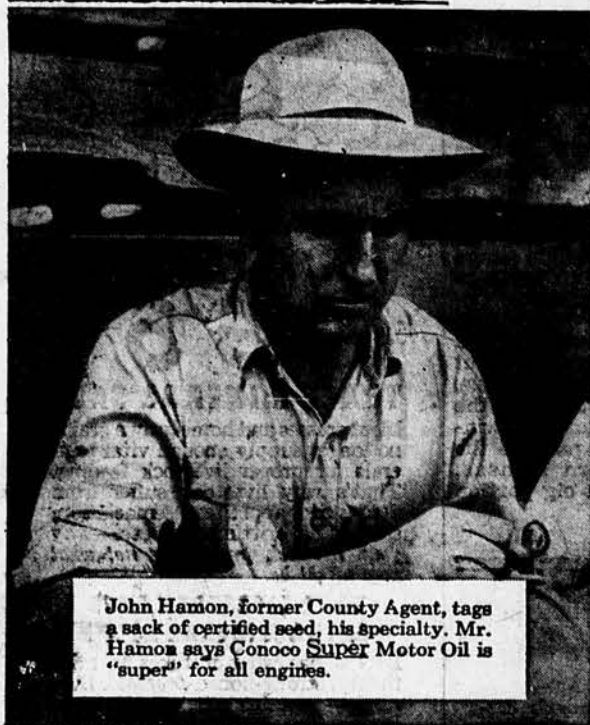
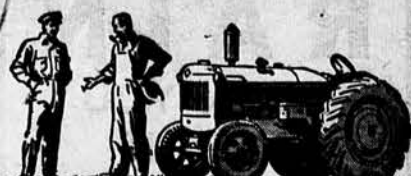
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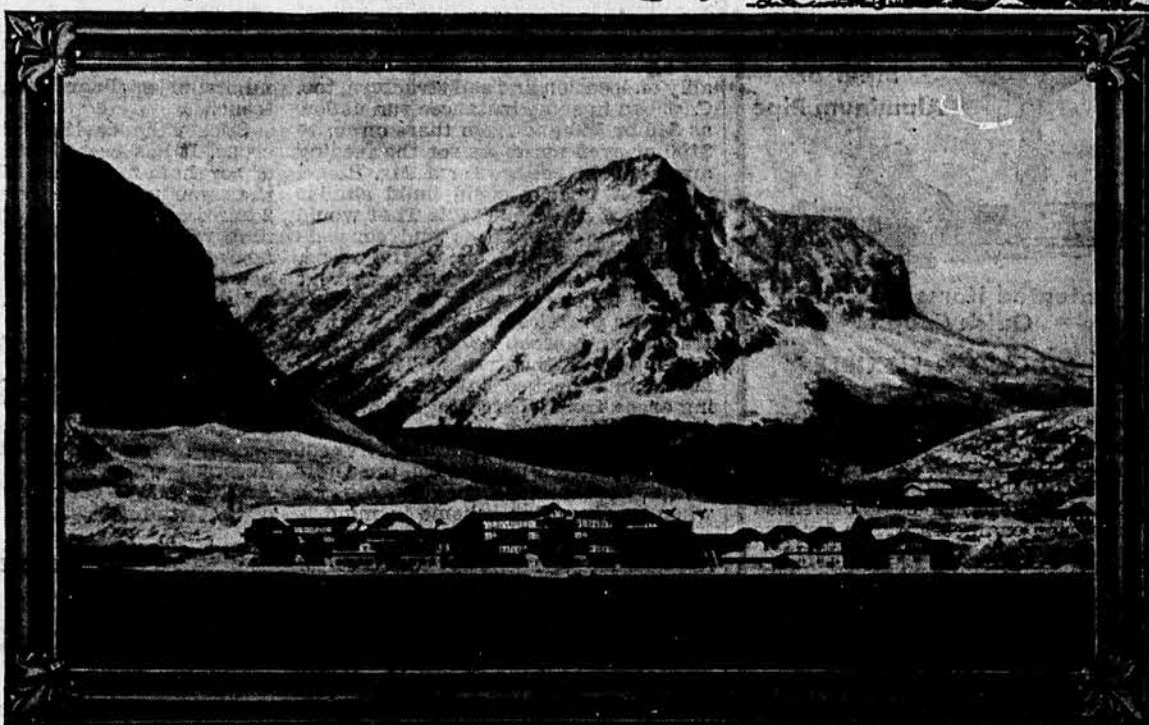
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John Hamon, former County Agent, tags a sack of certified seed, his specialty. Mr. Hamon says Conoco Super Motor Oil is "super" for all engines.



Evidence of Mr. Hamon's expertise in everything he does, business or hobby, is this black-and-white version of a fine Kodachrome picture he made in Glacier National Park.

Takes Pictures-and Prizes

THE LIBRARY at Kansas State College buzzed, as usual, with the subdued chatter of students "studying." Before a rack of newspapers stood a boy and a girl. At the same instant, each reached for the same hometown paper. Thus John Hamon met Bertha Cook, strangers up to then, although their homes were within a few miles of each other.

John and Bertha are still reading the same paper. In it they have seen the story of their wedding. In it they have read accounts of Mr. Hamon's graduation from Kansas State, his appointment as County Agent in Wilson County, Kansas, his transfer as County Agent to Torrington and later Thermopolis, Wyoming. They have seen articles about his

prize-winning photographs, his lifetime hobby.

The paper has recorded the birth of their son, Charles, and followed the boy's career as a prize-winning 4-H'er.

And they have read the headline that announced John Hamon's resignation as County Agent and his return to Valley Falls, Kansas,

to become a full-fledged farmer. From time to time there have been stories of his outstanding success at raising certified seeds—Pawnee wheat, Cherokee oats and Atlas sorgho. And maybe the Hamons will even see a writeup in the paper about *this* story!

Anyway, we hope you'll read what he has to say about Conoco Super Motor Oil. "Our experience with Conoco Super," Mr. Hamon reports, "convinced me that it is truly a 'super' oil for all engines.

"Conoco quality is unsurpassed . . . and Conoco Super is standing up under hard use in our tractors. I was offered many opportunities to change to another brand of oil, but I passed them up because I believe Conoco has something better. I'm satisfied!"

Gets More Power..Uses Less Oil with Conoco Super

★ ★ ★

"I've used Conoco oils and greases in my old combine harvester for 22 seasons straight," says John E. Brooks, Ashton, Idaho. "In all this time, only one ring job was necessary. So I didn't hesitate to change to new Conoco Super Motor Oil—and right away I noticed I got increased power and used less oil between drains. That sure is a good oil!"



Corn Meal Rolls



. . . by Mrs. Mary England, Dahinda, Illinois

¾ cup milk 4 t. baking powder
½ cup yellow cornmeal 1 t. salt
1½ cups flour 4 T. melted shortening

Scald milk, remove from fire, mix with cornmeal. Sift flour, baking powder and salt, add shortening and mix with fork. Add cornmeal and milk. Turn on floured board and toss until smooth on both sides. Roll out ¼" thick. Cut with biscuit cutter, brush top with melted butter. Crease through center with knife, fold over in pocketbook style. Bake in oven 425 degrees F. about 15 minutes. Makes 24.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN

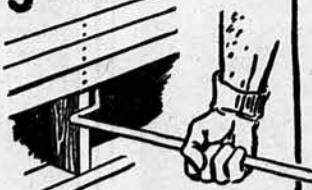
Pickup Tiedown

If your pickup has no tie-down rope stakes, do this, suggests A. F. Ekstrom, R. 2, Mt. Morrison, Colorado: Use ½" or ¾" pipe, full length of bed, and bolt to body flare with three ¾" bolts with nipple.



Speed Wrecking Tool

For quick removal of flooring, siding, etc., with a minimum of splitting, make wrecking tool 3 feet to 4 feet long of 1" shaft, as shown, says Tom J. Smith, Box 25, Rose Creek, Minnesota.



SAWS FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dep't E, Continental Oil Company, Ponca City, Okla., and get a genuine \$10.25 D-15 Henry Disston Hand Saw for every idea that's printed!

"50,000 MILES— NO WEAR"

After a punishing 50,000-mile road test, with proper crankcase drains and regular care, engines lubricated with new Conoco Super Motor Oil showed no wear of any consequence . . . in fact, an average of less than one one-thousandth inch on cylinders and crankshafts. AND gasoline mileage for the last 5,000 miles was actually 99.77% as good as for the first 5,000! This test proved that new Conoco Super, with OIL-PLATING, can make your cars and trucks last longer, perform better, use less gasoline and oil.



YOUR CONOCO MAN