

# Kansas Farmer

NOV 2 1952  
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**WATCHING IRRIGATION** water rushing out to thirsty fields on his father's farm in Meade county is Gary Young, son of Herschel Young. Irrigation is helping the Youngs carry a heavy livestock program.

★ ★ ★

**MAKING A HOOKUP** to move sprinkler irrigation pipe is Jack Julian, of Grant county. He and his father can irrigate 3 quarters from the Cimarron river.



## Irrigation Guarantees Crop Production

... And with plenty of feed, livestock herds are being developed, incomes increased—the future looks bright. This is first of 2 articles on this important subject.

**G**UARANTEED crop production thru irrigation is giving many small farmers in Western Kansas a chance to develop a balanced farming program that will insure their future security. This is being done mainly by loans from the Farmers Home Administration, plus technical assistance from that agency, the Soil Conservation Service and practice payments from the Production and Marketing Administration.

Since 1946, according to Walton Dodge, state director of the Farmers Home Administration, 111 small farmers in Western Kansas have obtained loans on irrigation projects. These projects have varied from a small installation to irrigate an 8-acre tract, to a loan of \$13,600 for irrigation of 160 acres in Haskell county. Forty of the 111 loans have been made in Finney, Haskell, Kearny and Hamilton counties. Nineteen of the 40 paid off their loans ahead of schedule and all are running ahead on payments, according to Elgie Jones, FHA field representative. Average irrigation loan has been about \$5,000.

Let's call on a few of these farmers to see what [Continued on Page 14]



**LOOKING OVER** a lush grain sorghum crop on the Earl H. Moore & Son farm, Stanton county, are, left to right, Ralph Johnson, FHA water facilities engineer; Elgie Jones, FHA state field representative, Mr. Moore and Robert Moore.

- Have You Seen Waconda Springs? . . . . .Page 4
- Price Supports for 1953 . . . . .Page 11
- Tempting, Tasty Treats . . . . .Page 24

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# "Farmall Farming helps me get 2 1/4 bales of cotton where only one grew before"

Says Odell Rast, Shelby County, Tenn.



"When we bought our farm in 1938," says Odell Rast, Shelby County, Tenn., "it was so worn out that our first 35-acre cotton crop produced only 12 bales. But, we'll easily get 75 bales on 100 acres now—and that's 2 1/4 bales where only one grew before."

"Our best record was in 1950 when our 14 year old son, Bubba, won the county 4-H Club cotton-growing contest with 7 bales on 5 acres." Odell and Bubba raise 100 acres of cotton, 65 to 70 of corn, the same

amount of soybeans, 60 of fescue, lespedeza and clover pasture, and 25 of lespedeza hay. Their legumes give them a double benefit—feed for cattle and soil-building crops.

When he bought the farm he also bought a Farmall F-20, and McCormick equipment. "I don't know how I could have farmed this place without my old faithful F-20," he says. "It's the reason why we've bought other Farmalls since then—H's and C's and their matching equipment. They all fit right in with our kind of farming!"

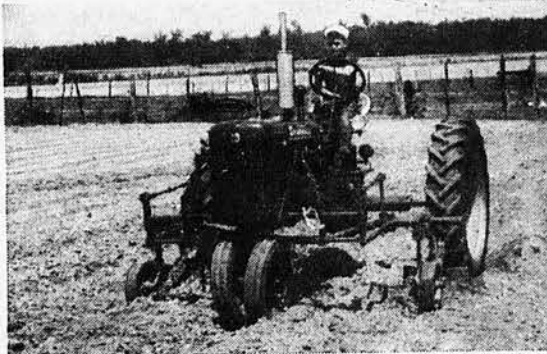


"Here's why I'm a Farmall Farmer—my good old F-20," says Odell. "It's been so faithful it's almost like one of the family. Martin Tippit (left), general manager of Hinton & Hutton Implement Co., my IH dealer, has tried several times to trade me out of it. But I always tell him

'no swap.' They've worked on it, kept it in top shape for me. I've found I can depend on good, sound, dependable service from our IH dealer whether it's an emergency or an overhaul job. That's another reason why I'm a Farmall Farmer."



"And here's my pick of them all—the Farmall Super C. It has plenty of power, and its matching equipment is made for our type of farming. Here it's equipped with the C-18 middlebuster. We can set the gauge wheels on the middlebuster, and always get the same depth—whether the front wheels are on a ridge, or in a furrow."

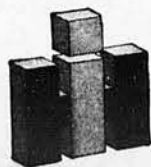


"Bubba can do as good a job with the Super C and its mounted equipment as any man. The tractor and forward mounted middlebuster operate as a unit, and Touch-Control makes it easy for him to handle. We like the way the drive wheels run in the furrows, because this gives us plenty of traction, and also keeps from packing the seed bed."



The Rast family is mighty proud of this comfortable, pleasant farm home. Odell built several years ago—mostly of locally-grown cypress. Mrs. Rast wasn't at home when the picture was taken—but her handiwork can be seen in the flowers and shrubs. All over America you'll find comfortable homes like this—homes of successful Farmall Farmers.

There's Farmall equipment built to fit each size of farm, type of soil, or system of farming. Your local IH dealer has this equipment—and the know how—to help you be a successful Farmall Farmer, too. Prove Farmall superiority to yourself today.



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International Harvester products pay for themselves in use — McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler Tractors and Power Units . . . Refrigerators and Freezers—General Office, Chicago 1, Illinois



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This porch was enclosed by  
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You can close in a 6' x 9' windswept  
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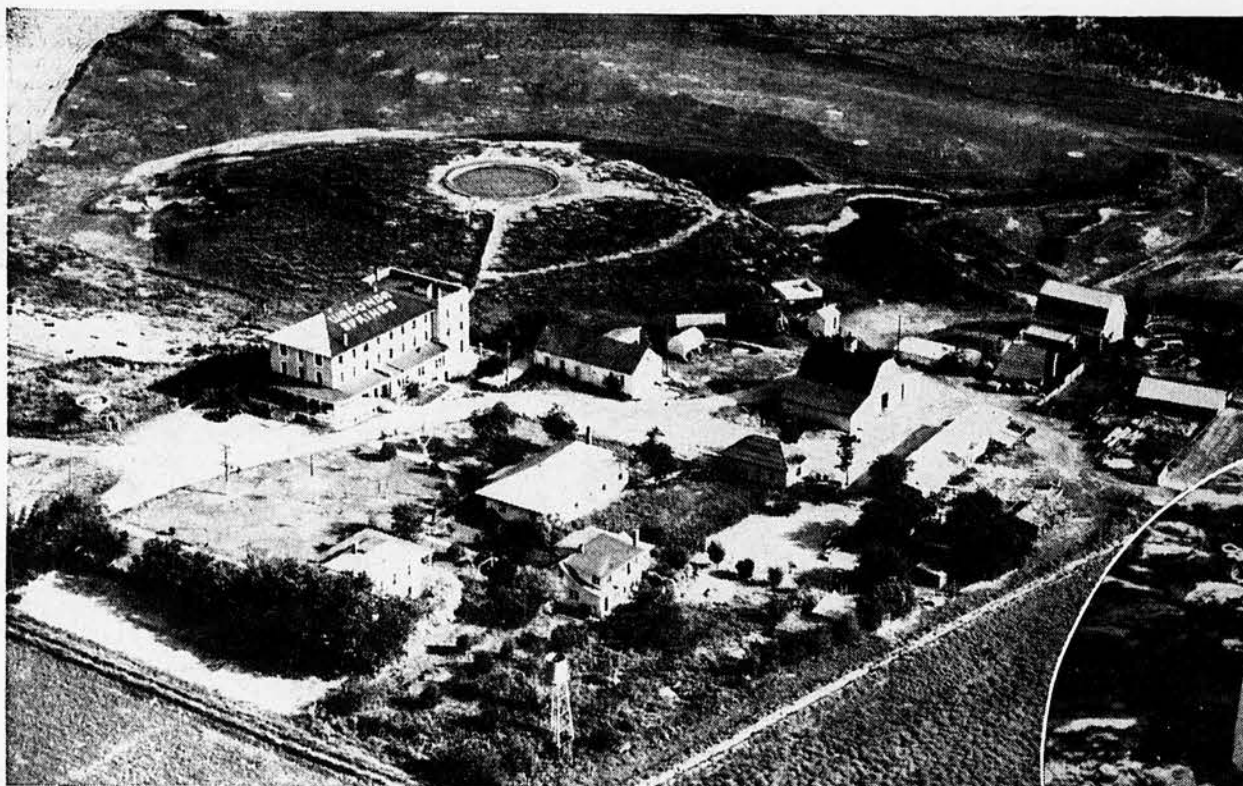
an extra warm, sunlit room, flooded with  
Healthful Ultra-Violet rays, that you can  
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36" wide Only <b>26¢</b> lin. Ft. <b>Warp's</b> <b>FLEX-O-GLASS</b>	36" wide Only <b>24¢</b> lin. Ft. <b>Warp's</b> <b>GLASS-O-NET</b>	36" wide Only <b>31¢</b> lin. Ft. <b>Warp's</b> <b>PLASTIGLASS</b>	36" wide Only <b>35¢</b> lin. Ft. <b>Warp's</b> <b>WYR-O-GLASS</b>	28", 36", 48" Only <b>17¢</b> Sq. Ft. <b>Warp's</b> <b>SCREEN-GLASS</b>
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**WACONDA SPRINGS**, shown here from the air, will be doomed if Glen Elder dam is built as part of the Missouri River Basin flood-control program.

**HERE DR. AND MRS. CARLOS BINGESSER**, present owners of Waconda Springs, drink some of the medicinal water as it bubbles up in a well below the main pool.



## What Will Happen to Waconda Springs?

By **DICK MANN**

**Famous geological freak was known to all Plains Indians who held ceremonies there to ward off evil spirits.**

**G**REAT MYSTERY of nature, Waconda Springs, in Mitchell county, will be doomed if and when the big Glen Elder flood-control dam is constructed on the Solomon river.

Both the Indian and the white man have been drawn by the almost irresistible lure of the springs thru the centuries. Now, if plans of army engineers are approved, this famous landmark and tourist attraction will be under 8 feet of water at reservoir flood level. At conservation level water will surround the mound on which the springs are located, coming within 4 feet of the top of the mound.

Waconda Springs might be called a geological freak. Here, for no reason apparently, a mound rises some 30 feet right off the flat prairie

around it. At the top is a pool of salt water more than 60 feet across and fed mysteriously from some underground source.

A widespread belief about Waconda is that it is a bottomless spring with perhaps a connection far underground with a channel to the sea. Thru years of repetition, this idea became so accepted that in 1936 "Ripley's Believe It Or Not" cartoon featured Waconda Springs as follows: "Waconda Springs, 600 miles from the sea, has salt water that rises and falls exactly as the ocean."

Actually, says Dr. Carlos Bingesser, present owner, the springs rise and fall some 10 to 14 inches seasonally.

Back in 1908, to help build mystery around

the springs, its owner at that time imported a deep-sea diver to make a public descent into the springs. Amid much fanfare and for a large audience, this diver slowly let himself below the surface. Spectators gasped as hundreds of feet of hose and rope slowly sank into the water. After a prolonged stay below the diver came up to announce that no bottom had been found to the pool.

This publicity stunt might never have been questioned except that a few years ago some geology students from Kansas University took soundings at the springs and claimed the pool basin to be only about 35 feet deep.

"It is true," says Doctor Bingesser, "the main basin of the [Continued on Page 12]"



**THESE OMAHA INDIANS**, camping near Waconda Springs in 1878, were from one of the many tribes who worshiped the spring as a god.



**THIS SODDY** was first white dwelling built on site of Waconda Springs. Once white men began to exploit the springs the Indians quit coming

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# Kansas Farmer

## News and Comment

### KSC First Again

KANSAS STATE COLLEGE ranks right at the top among similar institutions. Here in Kansas we know that. Plenty of other states use information and test results from Kansas State, so do important industries. Now to add another "feather in the cap," the college journalism department has been notified its yearbook, the "Royal Purple," is the only book in the United States representing colleges and universities of 4,000 to 7,000 students that earned the All-American rating in 1952. This is the 17th time in a row the Royal Purple has made "All-American." The student newspaper, the Daily Collegian, was one of the 7 similar student dailies in the U. S. judged All-American in the spring of 1952. Look into any department at Kansas State and you find equal excellence. As folks on the farm, you know how much the college has done for agriculture. You can be proud of the fine job it is doing.

### Where Credit Is Due

REMEMBER the article, "Coles Finds Fruits, Flowers, Shrubs That Do Well in Western Kansas?" It appeared in your October 18, 1952, issue of *Kansas Farmer* on page 4. Well sir, E. H. Coles, superintendent of the Colby branch experiment station, didn't do the whole job. To prove this we quote no less an authority than Mr. Coles himself who writes:

"I think your article covers the situation quite well. It seems to me I am given more credit than is due. In fact, I think the article would have been more authentic if you had mentioned the fact Mrs. Coles is responsible for many of the flower tests we have had at this station. She likes flowers even better than I, and the two of us have worked together in many of these tests. The formal garden is pretty much her idea. So I will appreciate it if you will mention the fact that both landscaping and flower studies are as much her idea as mine."

So to Mrs. Coles, congratulations! Typical of Kansas farm women, she is deeply interested in the great job her husband is doing, helping in countless ways. The result is beauty, not only in flowers, but in every-day living as well.

### Irrigation One Answer

DRY WEATHER makes a person think of irrigation. For that reason, you will be interested in the feature story starting on the cover of this issue of *Kansas Farmer*. It is about guaranteed crop production thru irrigation, and is the first of 2 articles on this important subject.

In this connection Lowell Brandner, Kansas State College, tells us farmers with a total of

161,000 acres in 3 Western Kansas counties have succeeded in doing something besides talk about the weather. They have whipped the problem of drouth, single factor that has contributed most of crop failures in their end of the state, by irrigation. Eighty per cent of the total irrigated acreage in Finney, Scott and Kearny counties is pump irrigated.

Walter Meyer, irrigation engineer at the Kansas State College branch experiment station near Garden City, said Kansas now has 250,000 acres under irrigation; Finney county has 84,000 acres; Scott county, 50,000; Kearny county, 27,000 acres.

One variety of wheat under irrigation at the Garden City branch experiment station yielded 62 bushels an acre this year. Seven others averaged more than 42 bushels an acre. Average yields of other crops under irrigation were alfalfa, 5 tons an acre; milo, 65 bushels an acre; sugar beets, 10 tons an acre.

Meyer said neither farmers nor scientists at the experiment station can irrigate the same every year. Irrigation needs, he said, depend on rainfall, subsoil moisture, and several other factors, and irrigation water always should be a supplement to rainfall.

### Home Editor Takes a Trip

ONCE-IN-A-WHILE our editors get the opportunity to go far afield, see New York, meet other editors, meet advertisers and prospective advertisers, to see demonstrations of their products. This is what Florence McKinney, our home editor, did in October.

For a long time she has been wanting to go to Beltsville, near Washington D. C., to observe the research work in the Bureau of Human Nutrition and Home Economics at the USDA Experiment station. She made arrangements to squeeze that in the 2-week trip.

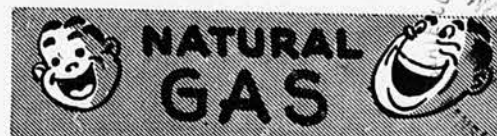
On the side of pure pleasure and less duty, she spent 2 days at Williamsburg, way down in the Tidewater Virginia area, to get a close-up view of the restoration of this little pre-Revolutionary War Capital, where George Washington, Thomas Jefferson and Patrick Henry walked the streets and while under the rule of Britain, got ideas of freedom for the colonies. For a good many years Miss McKinney has been reading about this 44-million-dollar restoration financed by John D. Rockefeller, Jr., and the chance to see it firsthand on this trip to the East was too great to be denied.

In future issues of the *Kansas Farmer*, she will write of her observations in all 4 of these places, New York City, Washington, Beltsville and Williamsburg, Virginia. We think you'll enjoy reading of her experiences. And it will help renew your faith in the freedom of the United States.

### For Balanced Farming

YOUR COUNTY AGENT will gladly point out to you the 10 standards of measurement for balanced farming and family living. They are worth reading and here they are:

1. Soil erosion losses stopped on entire farm.
2. Soil building program on all cropland.
3. Year-around pasture program including native, tame, and temporary pasture.
4. Right kinds of livestock balanced with



"You saw a bed 20 feet long and 10 feet wide? Sounds like a lot of bunk!"

"No, I didn't take a job—no future in it at all: the boss' daughter was already married!"

"I had to break off my engagement to Nancy. I told her about my rich uncle, and now she's my aunt!"

"John and Mary met in a revolving door at a department store and have been going around together ever since!"

"One never will hear of a ten per cent reduction in the wages of sin."

"Just because his wife is convinced she hears a burglar downstairs doesn't mean a husband has to have the courage of her convictions!"

"A giraffe can get a sore throat if he gets his feet wet, but it doesn't happen until the next week!"

Note written by a Chinese doctor on the statement of a slow-paying patient: "Long time no fee!"

the proper feed and pasture for top production.

5. Big enough farm business with high crop yields and efficient livestock production to provide a good family living.

6. Well-placed buildings and lots kept in good condition.

7. Attractive place with a nice yard, trees and shrubs.

8. Modern farm home suitable to family needs.

9. Wise use of family resources thru home food production, home sewing, home carpentry and shop work.

10. Well-kept farm and home account books used as guides in operations.

### A Tb. Comeback?

IS BOVINE tuberculosis due to stage a comeback in America? That question is asked by the American Veterinary Medical Association as a means of sounding a note of caution. The association reports, "In one major cattle-producing state the number of reactors among cattle was down to 900 a year just before World War II. Since then the number of reactors has jumped to 5,000 a year."

The association said the situation is not the same in all states, but it appears some cattle owners have been underrating the need for strict, continuing eradication measures. "There are still enough tuberculosis cattle in the United States to serve as a nucleus for a new nationwide chain of infection if we let down on precautions and fail to keep after this disease with all vigor," the association said.



"There's nothing wrong with me—I thought this was the maternity ward."



"Hey, Mom. Some varmint done poisoned the water hole."



NEW! DIFFERENT!  
DELICIOUS!

# Buns 'n' Barbecue



Use part of your bread dough for

## Betty Crocker's BUNS 'N' BARBECUE

### MEAT BARBECUE IN SQUARE HOMEMADE BUNS

Make bread dough for 2, 4, 6 or 8 loaves. (Use Betty Crocker's bread recipe in 25-lb. or larger size sacks of Gold Medal Flour.) When dough is ready to shape into loaves, take out enough for 1 loaf and shape as follows: Let dough rest for about 15 minutes to make it easier to handle. Roll out into a rectangle, 15x8-in. Make 2 lengthwise cuts and 5 crosswise cuts to make 18 square buns. Place on greased cookie sheet. Cover with damp cloth and set to rise at 85° until impression remains when dough is touched gently with finger... 30 to 40 minutes. Bake 12 to 15 minutes in moderately hot oven (400°). Brush the tops of the buns with melted shortening. Then cut in half and serve them with Scrambled Meat Barbecue (recipe below).

**Add** ..... 1 lb. ground meat (beef, veal or pork)  
**Cook until brown.**  
**Stir in** ..... 1 cup catsup  
1 tsp. salt  
1/4 tsp. pepper  
1 tsp. chili powder, if desired  
**Bring to a boil and serve between split buns.**

### VARIATION

**Makes a hit with children**  
Cool the meat mixture thoroughly. Also cool the buns. Cut the buns in half, leaving one side attached. Brush inside with melted butter. Place two tablespoons of meat mixture inside the buns and wrap each bun in waxed paper, twisting ends slightly. Place in shallow pan. Just before serving, heat 10 to 15 minutes in moderate oven (350°). Serve the buns in their waxed paper jackets. Serves 8 to 10.  
If hot buns are filled and wrapped ahead of time, put them in the refrigerator until you are ready to use them.

### SCRAMBLED MEAT BARBECUE

Rich, Tangy, Satisfying  
Sauté until golden brown... 1 large onion, sliced (1 cup)  
in ..... 2 tbsp. hot fat

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The recipe you may have been using with a tougher, harsher flour, may not work best with Gold Medal. Gold Medal is the modern bread flour with soft, mellow qualities which help make your dough easier to handle. When used with Betty Crocker's bread recipe, Gold Medal produces wonderful bread... high, full-volumed, crusty brown. Try it and see!

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cakes... cookies  
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# Gold Medal "Kitchen-tested" ENRICHED Flour



# Thoughts TO LIVE BY

## "In a Grand and Awful Time"

ARTHUR CLEVELAND COXE is among our lesser known poets. In 1840, he penned the words we have chosen for our theme today. For the majority of people in America, this appears to be a grand time. On a foundation of indebtedness, we have achieved a high standard of living. The average citizen today lives more luxuriously than did kings one hundred years ago. Our food is better, our mattresses softer; we can hear better, thanks to the telephone and radio; we can see farther, thanks to television; we can travel faster, thanks to automobiles and airplanes. I prefer to live in the twentieth century to any previous period of history. It is grand to be alive today. In fact, we have come so close to having heaven on earth that many people have lost their desire for heaven in the world to come.

But it also is an awful time in which to live. The hungry people of the earth, and there are many of them, are rising in rebellion. The world is divided into two armed camps. Because of the destructive weapons now available, such a division is exceedingly dangerous. People are tense, afraid, suspicious, and critical. The United Nations Organization is lambasted as an evil expenditure we could easily do without. It is roundly condemned for not having stopped the war in Korea. Yet, it has contained the war there, and avoided the outbreak of World War III in Kashmir, Palestine, and Indonesia. It has brought three independent nations to birth: Israel, Indonesia, and the Republic of Korea. Thru its Economic and Social Council, it has given technical assistance in many areas where it was needed. And it is the one organization that transcends the Iron Curtain. By presenting their cases before the General Assembly, the nations can appeal to the moral force

in the universe. Of course, the United Nations Organization is not perfect. Powerful nations sometimes prevent it from doing what it could for mankind. Its budget is ridiculously small compared with what the nations are spending for war. In one sense, it is a symbol of our desperation. Yes, this is an awful as well as a grand time to be alive.

Because of our desire for a tranquil life, because of our fondness for physical comforts, we may say with Hamlet,

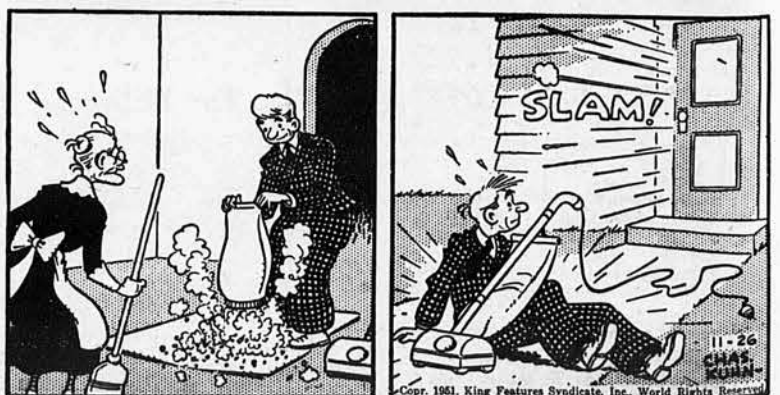
*"The time is out of joint; O cursed spite  
That ever I was born to set it right."*

We may, like the ostrich, try to hide our heads in the sand, we may try to isolate ourselves from reality in a schizophrenic dream world of our own. That is one choice, of course. The other is suggested in one of the books of the Old Testament. A Jewish maiden by the name of Esther was chosen queen of Persia. Haaman, the prime minister, became angry at a certain Jew named Mordecai. In jealous rage, he laid before the king a plot to destroy all the Jews within the kingdom. When this was discovered, Mordecai challenged Esther to act. She hesitated because it might mean death to approach the king unbidden. He chided her for even dreaming that she could save her own life by ignoring the issue. And who knows, he said, "but what you are come to the kingdom for such a time as this." And as is well known, Esther screwed up her courage and saved her people.

Altho we would prefer that the awful elements did not exist, who knows but that they are the reasons we have been given life. The courageous person assumes we have been brought to the kingdom for such a time as this.

—Larry Schwarz

## GRANDMA . . . . . By Charles Kuhn



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## HAVE YOU HEARD?



### Notes on New Products and Folks Who Make Them

**NEW IDEA BALER**, new, wire-tie field baler featuring an exclusive plunger-drive design, is made by New Idea Farm Equipment Co., subsidiary of Avco Mfg. Corp., Coldwater, O. Baler is offered with either mounted engine or standard

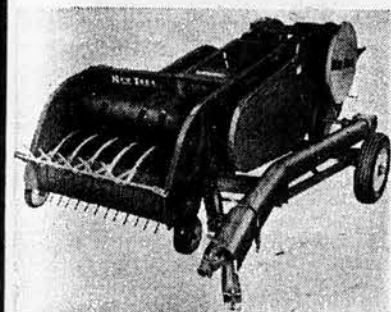
threads, 12 assorted needles and colorful thimble. A generous-size center compartment holds buttons, snaps, pins. Makes nice Christmas gift. Westerner Distributors, P. O. Box 5, Desk 48, Colorado Springs, Colo.

**Helix Cross Conveyor** is new power unloading unit providing side-delivery that eliminates backing up—permits feeder to fill feed bunks on the move, without leaving tractor seat—and to mix layer loads while unloading. Attaches to Helix Convey-O-Matic Wagon Unloader. Helix Corp., Crown Point, Ind.

**Magnagrip Magnetic Knife and Tool Holder** is a handy, dandy holder for kitchen or workshop. Touch article to rack, magnetic attraction holds article in place. There's 10 inches holding surface. The Maples Gift Co., Box 163, Fayetteville, N. Y.

**Wind-O-Wipe** is a new cleaner for windows, mirrors, tile, porcelain in "half the time, without lint, streaks or film," says manufacturer Graham Mfg. Co., Holyoke, Mass. Comes in a box, and sheets are superstrong, can be used either wet or dry. Write the company, at Dept. P2. Each box contains 60 sheets (enough for 250 windows).

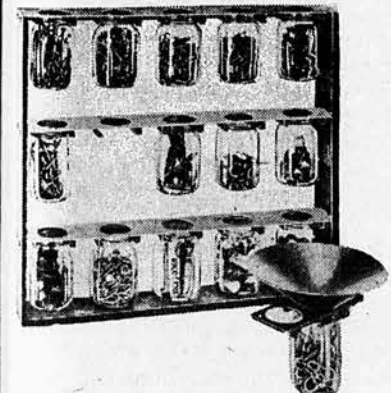
**Dual Duty** is a new milkhouse heater, constructed to furnish hot air only when needed. Gives continuous supply



take-off. It has a top feed and inclined bale chamber and chute extension for easy loading onto a trailing wagon.

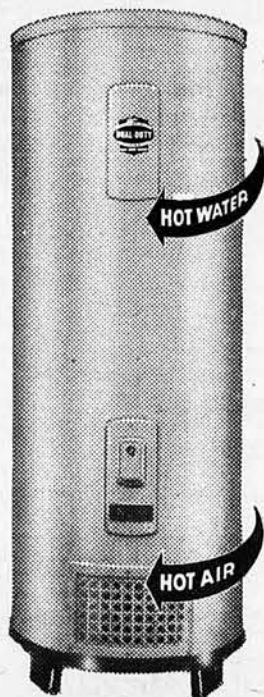
**Terry Products**, Merrick, N. Y. (Dept. KF, Box 581) offers a set of magnetized screwdrivers. They're plastic-handled, approved by Underwriters Laboratories. Set includes all sizes—midget to 3-inch length.

**E-Z Find Handirack** does a bang up job of storing and sorting screws, nails, washers, corks and hard-to-name items.



There are 15 Slide-Away jars and exclusive steel Sorter-Funnel. Complete set—cabinet, jars, sorter-funnel—is made by Toolcraft Products, 5090 Tennyson, Dept. EZ63, Denver 12, Colo. E-Z Find is handy, practical for wood-working and around-the-home jobs.

**Little Lady Sewing Kit** is a 6-inch high kit, opens at skirt-top to disclose a pincushion and at skirt-bottom for a tray fitted with 8 spools of popular color



## KANSAS FARMER

Continuing Mail & Breese

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

of clean, hot water. There's no open flame hazards, no pilot light to go out, no oil to spill. Dual Duty is automatic, all-electric. Gordon Hatch Co., 531 W. Wisconsin Ave., Milwaukee, Wis.

**Trac-Trol** remote control attachments for Ford, Ford-Ferguson and Ferguson tractors are made by Forgy Plow Co., Centralia, and sold by Johnson Hatchery, Vermillion. These attachments permit operation of the tractor from rear of wagon, trailer, hay rack, sprayer, etc., being pulled by tractor. Useful for such jobs as hand picking corn, picking up behind mechanical picker, loading baled or loose hay, range feeding cattle, hogs, turkeys and chickens, spraying orchards and truck gardens and loading crops.

**"Green Promise"** is a new movie released by New Holland Machine Co., New Holland, Pa. It tells the story of grassland farming, is ½-hour film.

When an anti-freeze  
costs me less...

goes farther...

and is made by Du Pont

—that's for me!



## DU PONT "ZERONE"

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America's  
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When you buy economical "Zerone" for your car, truck or tractor you pay dollars less! And you need less. With 3 quarts of "Zerone" you get the protection of 4 quarts of many other kinds of anti-freeze. With "Zerone" you have no evaporation problem. All you need is an occasional check-up. And "Zerone" has a chemical rust inhibitor that helps keep the cooling system clean. It won't attack rubber... and it can't clog the cooling system!



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## I WONDER HOW THAT STARTED . . .

"A man's house is his castle."

This is an ancient saying, believed to be first written by Sir Edward Coke (1552-1634), a lawyer. Also, William Shakespeare, in "The Merry Wives of Windsor," mentioned a similar saying, but not those exact words. The words meant a man should be able to find rest, comfort, health and a haven from outside world in his "castle."



## Vinland Grange Chosen in Contest

VINLAND GRANGE No. 163 is competing in the finals of a National Grange Contest which includes a first-prize award of \$15,000.

Herve Hoskinson, grange master, received notification that Vinland Grange had placed with 10 others in U. S. for contributing "outstanding community services in 1952." The 150 members of Vinland contributed towards 22 projects to place among the upper 11 in the nation. Among activities were ferti-

lizer demonstrations, farm homestead beautification contest, boosted 4-H dairy calf program, flood control talks, gave no-charge hospital bed for community, conducted a cancer drive, put up safety markers, conducted community church services, collected clothing for needy children, sponsored a home nursing course in conjunction with civil defense, held public meeting on rat control on farms, sponsored a Fair.

## Hold Field Day at Ernest Kneller Farm

DESPITE A DRY summer Morton county folks and many visitors from neighboring counties and areas saw high-quality corn and grain sorghum crops at the Balanced Farming and Family Living Field Day, on Ernest Kneller farm, October 8.

The tour started beside a half-mile of field corn, then journeyed on to look over Stanley Kneller's 4-H project—20 acres of Martin milo and 140 acres of Westland milo. A half mile farther, Wallace Kneller had grain sorghum on one side of the road, corn on the other. Farther on, fields of Westland, Martin and Norkan (planted on ground that was in corn last year) looked as tho they would give good paying yields, reports county agent Wilbur White. Cornfields were mostly land that grew grain sorghums last year.

Full use of electricity is made for home, shop and barns. A small irrigation pump provides water for garden, small orchard, yard and trees. Recently the Kneller children and families,

and friends, completely remodeled interior of the family home which includes automatic washing machine, automatic dishwasher, stove, food freezer.

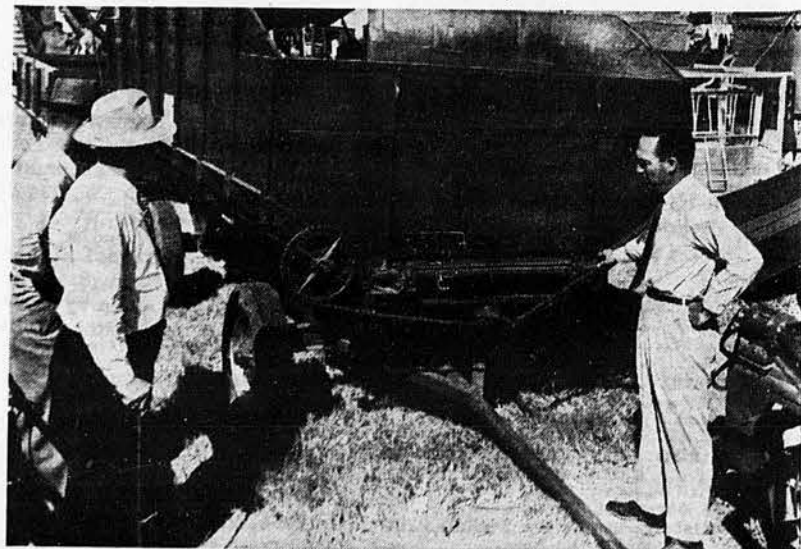
The Knellers were in midst of filling a big silo with corn ensilage for their small herd of high-grade Angus cattle which have grown and fattened all summer on the sandhill pasture.

Visitors expressed delight at the way in which a typical sandy land farm could respond in crops and be made attractive in a dry season. Home beautification plans by the Knellers included 2,000 cannas.

Machinery used in planting, cultivating and harvesting about 1,100 acres each of grain sorghum and corn consists of 5 tractors, combine, sheller, 2 corn pickers, weeders, knife sleds, common in the sandy row crop area. Only a few acres were replanted this year.

The Field Day was planned by Morton County Extension Council in cooperation with Mr. White.

## AUTOMATIC SILAGE WAGON



**OUTSTANDING SINGLE** exhibit at FFA Farm Mechanics Display at Kansas State Fair was this automatic unloading silage wagon, designed and made by Dean Jost, Hillsboro, at cost of \$275. Here, Loren Whips, right, in-service teacher trainer for state department of Vocational Agriculture, explains the wagon to State Fair visitors.



# Today's Most Modern Tractors for the New, Easy Way to Farm....

## EAGLE HITCH Farming

● **One-minute hook-up**, sitting down. Stay on tractor seat, touch hydraulic control to bring Eagle Hitch in position. Its claws take hold of rear-mounted plow, planter, or other implement. Slip in one pin and GO!

● **Constant hydraulic control**, completely independent of clutch and gears. Acts instantly any time engine is running, tractor moving or standing. Works with all mounted implements, also most pull-behind machines.

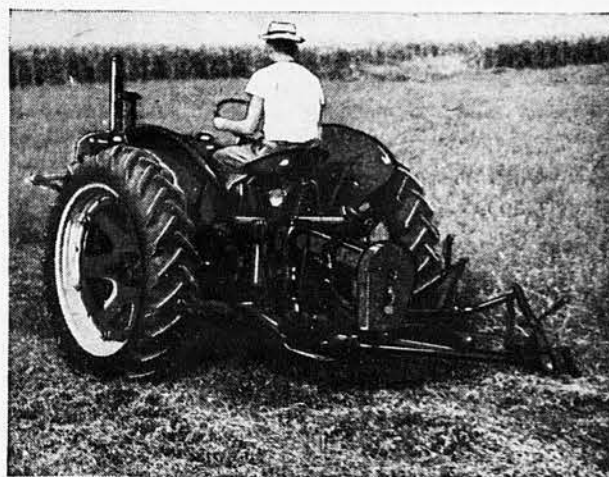
● **Constant-depth principle**. With hydraulic control in free-floating position, Eagle Hitch tends to maintain even depth automatically as adjusted by handy turnbuckle in top link.

● **Constant power take-off** on Models "SC" and "DC" brings PTO machines to full speed before tractor moves, keeps them at normal speed through stops and starts.

...with Constant  
Power Take-Off



**Break-Away Contour Plow** on 3-plow "DC" Eagle Hitch Tractor. Lets go when it hits stone or stump, recouples automatically by backing tractor, lifts over obstacle at a touch of hydraulic control. Pivotal action prevents crowding in or out on curves, automatically keeps all bottoms cutting correct width, makes it easy to do a first-class plowing job on winding contours.



**Eagle Hitch mower** on big 2-plow "SC" Tractor. Constant power take-off keeps sickle going full speed during stops, starts and turns—avoids choking in heavy hay. Hydraulic control handles cutterbar, also raises complete mower for quick moves over hard roads. Cutterbar breaks back if it strikes obstacles, re-locks automatically by backing tractor. Many heavy-duty features for long life.

## Now...3 Sizes of Eagle Hitch Tractors

Eagle Hitch Farming is a brilliant new way of doing over a hundred farm jobs. It's utter ease in hooking up to dozens of mounted implements—including the Utility Carrier that takes the heavy lifting out of farm hauling. It's better tillage, through depth control by automatic floating action. It's faster, cleaner harvest of grain, seeds and forage with constant power take-off to PTO machines. It's short turning, sure stopping, plus constant hydraulic control.

And now Eagle Hitch Farming steps up into big 2-plow and 3-plow sizes. You get it in Case "SC," "DC" and "DC4" Tractors, with their extra capacity and stamina. You get it in all eight models of the low-cost 2-plow "VA" Series, including Model "VAC" with adjustable front axle as shown above. Eagle Hitch Farming saves you so many motions, so many minutes every day . . . does so many jobs so much better . . . you simply must see it on your own farm. Get the full story from your Case dealer now. Send in the coupon today.

**GET A PERSONAL DEMONSTRATION**



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For pictorial catalog or folders, mark here or write in margin any tractors or machines that interest you. Mail to J. I. Case Co., Dept. L-47, Racine, Wis.

Eagle Hitch Tractors—  
☐ 3-plow Model "DC"  
☐ Big 2-plow "SC"  
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☐ Eagle Hitch Implements  
☐ 4-5 plow "LA" Tractor

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☐ Check here if you would like a personal demonstration of Eagle Hitch Farming.



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Buy your fertilizer with a sharp pencil...

## and you'll buy **SUNSET Fertilizer!**

Many farmers have found that by figuring fertilizer needs closely they save money buying Sunset Fertilizer!

For example, if you needed 2 tons of 5-10-5, you could save up to \$7.60 per ton by buying only 1 ton of Sunset's 10-20-10. You not only get the same amount of

plant food, you also save on handling, hauling, storage and spreading.

So why fool with two... when one will do? Next time you need fertilizer, sharpen up your pencil, and you'll find you save money, trouble and time by buying Sunset—the 2-for-1 fertilizer!

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HIGH ANALYSIS  
FERTILIZERS

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### ADJUSTABLE HEAT CONTROL

Motor panel folds back to mix cool air with engine heat.



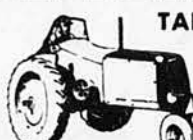
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**COMFORT EQUIPMENT CO., 2609P Walnut, Kansas City, Mo.**

## Capable Kansas FFA Members Won Top Spots at Annual Meet

KANSAS BOYS were in the national spotlight as Future Farmers of America gathered at Kansas City in October for their 25th national convention. Abilities of leadership and agricultural skills of Kansans were among those commended by some of the nation's top leaders in agriculture and related fields.

Abilities recognized were in part those of Kansas' official delegates Darrell Gartrell, Stockton, and Billy Ray James, Clay Center.

Chanute won top poultry-judging honors for its 2nd year in a row and again received the Gold Emblem award, highest honor given by FFA. Silver awards went to Moundridge in livestock judging and Partridge in meats judging.

Chanute team members, coached by C. O. Carter, were Hal Sinclair, Delmar Hanson, Jack McVaugh. Moundridge members were Glen Waltner, Gilbert Kaufman and Nelson Calle, coached by Richard Ramsdale. Partridge team, coached by Floyd Nighswonger, were Jim McAlister, Duane Johnson and Clinton Pierce.

### Win Silver Emblems

Little River and Winfield FFA chapters won silver emblem awards in the national FFA chapter contest. Little River and Adviser Milton Kohrs were featured in *Kansas Farmer* last May 3. Winfield with an outstanding record in state and national FFA activities has as advisers Ira Plank and John Lowe.

Always amazing is the performance of the national FFA band and FFA chorus, both groups made up of FFA members selected from all over the United States to meet as almost entirely strangers just before the convention.

### Kansan Is Honored

The thrill of accompanying the 110-voice chorus, directed by Dr. James W. Hatch, of New York, was described by Raymond Mabrey, of Little River, who was honored with that position. "It was certainly different than anything I had experienced before," the 14-year-old high-school sophomore exclaimed. "I certainly wasn't expecting it. I filled out the application telling my record of training and experience and thought little more about it," Raymond said. First word he had of the assignment was a telegram. Music followed—13 numbers to be memorized in 2 weeks before first rehearsals at Kansas City.

For chorus members, as for those in the band, the schedule is far different than that of the ordinary convention-goer. Long hours of rehearsals began 3 days before the convention opened. Then during regular sessions in the arena, musicians were away in distant rooms of the Municipal Auditorium rehearsing and presenting other programs that were piped over national radio networks. The FFA band's assignment was not completed until after participation in the giant American Royal parade the Saturday following convention.

Convention attendance reached a ponderous 8,000 or more and was matched in size by the heartiest welcome ever rolled out by hosting Kansas City. An international flavor was lent by guests attending from Great Britain, Germany and Canada who had much to say for the initiative and leadership ability of these young Americans.

### Describes English Club

John Graham, a youth from Northern England, described their National Federation of Young Farmers as about one sixth the size of FFA in membership but including boys and girls, town and country, of ages 10 thru 25. Chapters there are more self-supporting. Instruction is by volunteer organizers who use practical talks, demonstrations and films as their mediums of education. Their national office is supported by public contribution. Mr. Graham and his companion, W. Hubert Gwillim, of Wales, have been visiting American farms several months, becoming acquainted with our methods.

Young age of many boys attending the convention, their clear understanding of ideas and goals were noted by German vocational education officials Heinrich Bruns and Dr. Hermine Maier. Doctor Maier said she was happily surprised to find so much interest in world affairs among FFA members, and impressed with their intelligent questions concerning problems confronting her country and Europe. Mr. Bruns reported that a farmer's youth organization similar to FFA was established in Germany a year ago.

FFA influence was responsible for organization of the FFC, organization of Canadian farm youth, explained Bill Newman, of British Columbia. Mr. Newman is president of the Canadian group which has grown from 1 to 10 active chapters since 1950, and anticipates rapid future expansion. Canada's first Future Farmers group was organized in 1944 thru efforts of Montana FFA.

### Exchange Farming Ideas

Following up this year's FFA convention, a group known as the National Leadership Conference held their first national gathering. This group, made up of young farmers who have exceeded the FFA age limit but are still receiving advanced training as they develop their farms, was representative of such people in about 20 states. Their purpose in getting together on a nation-wide basis was not to set up a national organization, but merely to exchange ideas on farming practices. Delegates first discussed problems of general interest, then met in regional groups for discussion. The group was honored at dinner by the Spencer Chemical Company during the 2-day conference.

## HINTS ABOUT SINUS INFECTION

By CHARLES H. LERRIGO, M.D.

Often one hears bad colds increase the trouble in sinus infections. As a matter of fact, the old-style catarrh of the nose everyone seemed to have, as fall and winter weather came on, generally had its source in one of the 4 pairs of cavities in the head which are known to doctors respectively as the frontal, maxillary, ethmoid, and sphenoid sinuses. In other words, the old-time "bad cold" really is sinus infection and its treatment means curing up the sinuses.

My special letter, "Hints About Sinus Infection," should be of particular value to those finding a revival of their sinus trouble at this time of year. A copy will be sent to any subscriber sending a request with an envelope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, *Kansas Farmer*, Topeka, Kansas. No copies can be sent unless the stamped envelope is received.



## Price Supports for 1953 Crops Will Range About Like This

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

HERE is the official USDA picture on price supports for next year's wheat, rye and feed crops, as reported in the October "Agricultural Situation," by Sidney N. Gubin, Production and Marketing Administration:

Price-support programs again will be used in 1953 to stimulate high-level production of many agricultural commodities. While the total 1952 crop production is expected to be relatively large, there again will be need for high-level production of a number of commodities, principally feed grains, to provide for current needs and replenish reserve stocks.

Support levels for 6 major crops had been announced thru mid-September. Levels for additional crops will be announced later in accordance with the department's policy of announcing crop support price levels, insofar as practicable, before planting time. Advance announcement enables farmers to plan properly their production. Farmers thus know the minimum price they can expect to receive for their crop, regardless of market conditions, if they elect to participate in price support.

First 1953 crop announcement covered wheat. Wheat prices will be supported in 1953-54 at not less than United States average price of \$2.21 per bushel, compared to \$2.20 for 1952-53. This level will be increased if 90 per cent of parity on July 1, 1953 (the start of the marketing year) is above \$2.21.

Under the recently adopted amendments to the Agricultural Act of 1949, the 1953 and 1954 crops of wheat and other basic commodities (corn, cotton, rice, peanuts and tobacco) must be supported at 90 per cent of parity, except when producers have disapproved marketing quotas.

Flaxseed, source of our major drying oil, will be supported in 1953-54 at 90 per cent of parity as of September 1, 1952, the same percentage used in 1952-53. Since parity currently is slightly higher than a year ago, the 1953 average support level for flaxseed grading No. 1 will be \$3.79 per bushel, compared with \$3.77 for the 1952 crop.

Oats, barley, rye, and grain sorghums, which represent an important part of the total feed supplies needed for continued high-level production of meat, milk and other livestock products, also are being supported at slightly higher levels than in 1952. Price support for these feed grains is discretionary rather than mandatory under the law, but is being continued to obtain balanced production of feed grains.

Consumption of feed grains in recent years has exceeded production, making it necessary to dip into reserves. These reserves have dropped to levels which are considered unduly low in view of the current and prospective rates of livestock production.

In establishing the 1953 crop support level, consideration was given to proper price relationships with corn, the leading feed grain, which must be supported at 90 per cent of parity in 1953-54. The 1953 crop national average support prices, which represent 85 per cent parity as of September 1, 1952, are: oats, 80 cents per bushel; barley, \$1.24; rye, \$1.43, and grain sorghums, \$2.43 per hundredweight.

Price support methods will be the same as those used in 1952: non-recourse farm storage loans and purchase agreements.

From the same issue of the "Agricultural Situation" we cull the following feed hints for drouth areas:

Stock owners in drouth areas can prevent stunted growth, and maintain health and weight of young calves by feeding enough protein, mineral and carotene (such as alfalfa meal or hay, and grass and silage) even tho the supply of hay or other roughage is greatly limited. Calves kept in good

health on rations that are not below maintenance level later will grow rapidly and economically when given liberal feed allowances.

This has been proved in feeding experiments conducted by the Bureau of Animal Husbandry, U. S. Department of Agriculture, at Beltsville, Md.

As the sources of protein, minerals, and carotene will vary in different regions, stockmen should consult their county agent or livestock specialist concerning the feeds most practical.

Along the farm front, as viewed by the Bureau of Agricultural Economics:

Despite reduced prospects for cotton and a few other crops, the all-crop volume was indicated on September 1 very close to the second largest of record, nearly same as 1949 and 4 per cent below the record volume reached in 1948. When livestock and products are added to crops, total farm output this year is expected to top all previous years.

Because of higher production costs this year, farmers' realized net income may average a little lower than last year. Cash income, first 9 months, 22.2 billion dollars, up 2 per cent from same period year ago; price paid, 3 per cent up.

This year's big wheat crop and record rice crop assure a near record in food grains, expected to be 65 per cent larger than 1935-39 average, nearly one-third larger than in 1951.

Feed grain—nearly 117 million tons in prospect September 1—will top last year by about 3 million tons. This year's prospective tonnage is larger than most years prior to 1948, but less than in '48, '49, and '50.

Feed supply for 1952-53 estimated September 1, including concentrates, at about 163 million tons; about equal to the 1946-50 average, but 4 per cent smaller than 1951-52. Next year's prospective supply per grain consuming animal is smaller slightly than in 1951-52; also 8 to 10 per cent smaller than in the 3 feeding years 1948-49 thru 1950-51.

Production of meat will continue thru fall and winter season larger than a year earlier. Beef and veal to provide most of the increase; less pork than last year.

With dairy products stocks below last year, with production lower and demand higher, further price rises for dairy products are likely this fall and early winter. Milk production for full 12 months this year expected to be close to 114 million pounds, compared with 115.6 million pounds in 1951.

Relatively fewer replacement pullets were raised from the late-season hatch last spring, so by turn of the year egg production expected down to, or below, year earlier levels. Until year end, egg production this fall expected to exceed last year.

Demand for high-protein feeds has been especially strong several weeks past; prices most of these held at high levels. Price of soybean meal mixes during August and early September went over \$100 ton at Chicago; tankage and meat scrap prices at highest level since early in year.

Rise in farm land values, which climbed 17 per cent the first year of Korean war, slowed down second year to 5 per cent. Average values per acre rose one per cent from March 1 to July 1, half as much as in preceding 4 months, one fifth as much as in March to July of 1951. Fewer and fewer farms for sale continues to be the picture.

### For Better Dyeing

When dyeing fabrics or clothes, use a potato masher as a plunger and force the dye thru the articles in dye bath.—Rea Miller.

**Cold winter jobs?  
I do them faster  
with my FARMHAND!**



**FEED FROM FROZEN STACKS** with the Farmhand Loader. Grapple Fork attachment clutches the hay—makes it possible to back away under full power and tear the load out of tightly frozen stacks.



**OPEN DRIFTED ROADS** in less time with the Farmhand Loader and V-Plow attachment. This sturdy 8-ft. plow is also useful for ridging fields to hold winter moisture.



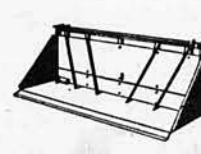
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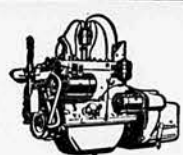
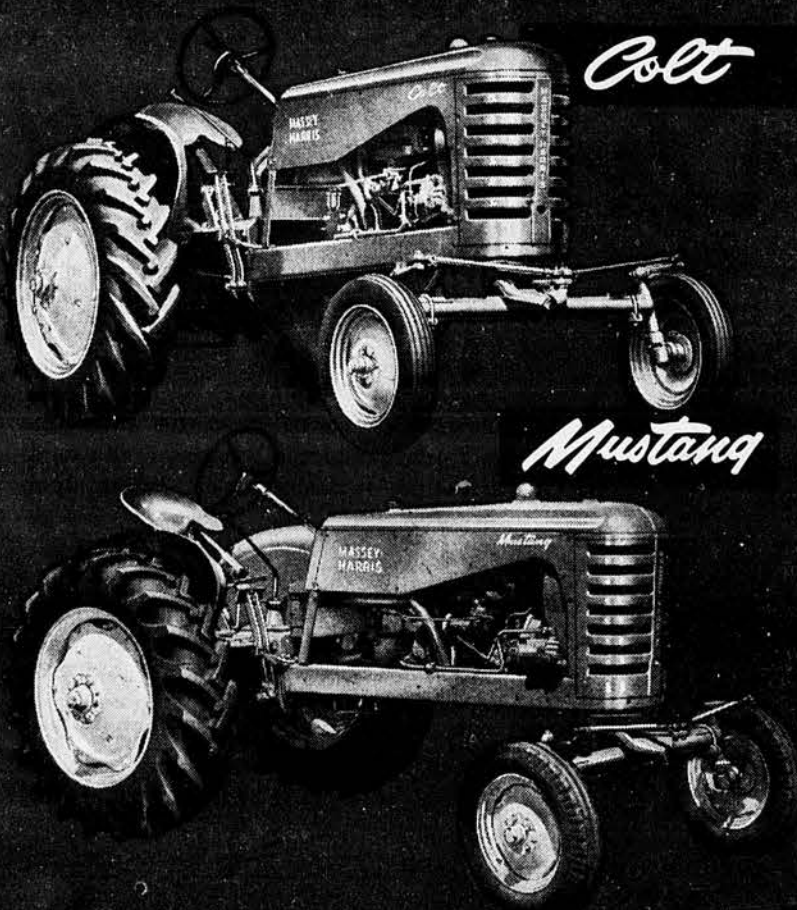
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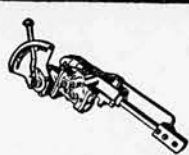


## The biggest power news in the low-priced tractor field

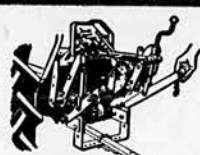
# NEW MASSEY-HARRIS



Husky, low friction 124 cu. in. gasoline engine; powers the Colt, 140 cu. in. in Mustang, gasoline or distillate.



Follow-up Depth-o-matic 2-way, hydraulic system maintains constant depth of mounted and drawn tools.



3-point hitch simplifies hook-ups . . . Close couples implement for easier handling . . . shorter turns. Full floating.

If you want a tractor with lots of power . . . that's low in initial cost . . . as low in most communities, if not lower, than any other tractor in the 2-plow class . . . that doesn't cost a fortune to run — an easy handling, comfortable driving tractor that meets the needs of the family-size farm, then here is the tractor for you — the new Massey-Harris 2-plow Colt or Mustang.

They're the product of the same engineering skill and advanced design that make Massey-Harris big tractors the most sought after in the field . . . that make Massey-Harris combine the most wanted wherever grain is grown.

Look at the work a Colt or Mustang handles in the field — two 14-inch plows under average conditions . . . a 6-foot mower . . . 2-row planter . . . 4-row beet and bean cultivator . . . a 2-row bedder or lister . . . a 6-foot engine driven combine. They take the work out of elevating, grinding feed, pumping water . . . snow removal, post hole digging, dozing or leveling.

The same 3-point hitch that takes the 18 separate Massey-Harris tools designed for the Colt and Mustang will take any tool with 3-point hook-up for 2-plow tractors.

You handle the Colt and Mustang easier in small or odd shaped fields . . . shift down faster in the tough spots and on the hills . . . steer closer to the row or fence line, turn shorter on narrow headlands. Big 10 x 28 tires on the Colt, 11 x 28 on the Mustang take a firm grip in loose or wet soil . . . provide the traction and speed to do more work in less time.

And you have the flexibility of adjustable front and rear tread . . . the choice of front wheel design—Row Crop, Standard Tread, High Arch or Single Front Wheel.

Look over the new Massey-Harris Colt and Mustang at your Massey-Harris Dealer's. Ask for a demonstration — get the first hand facts on your farm. For free folder by mail, write The Massey-Harris Co., Quality Ave., Dept. L-75, Racine, Wisconsin.

## Make it a Massey-Harris

Parts and Service  
through more than  
2500 Authorized Dealers

## What Will Happen?

(Continued from Page 4)

springs is somewhat cone shaped and averages about 35 feet deep. However, in the center there is a shaft or passageway I have probed with steel rods to a depth of several hundred feet. No one really knows from what depth the springs are fed." Scientists once said Waconda is an extinct hot springs.

Long before the white man came to Kansas the springs were well known to the Indians. William E. Connelley, a former secretary of the Kansas Historical Society, once made a study of Waconda history. His paper on the springs, still on file at the state historical building in Topeka, reported:

"Waconda Springs was known to all the plains tribes of Indians. They be-

lieved the water of the spring had special merit and that the spring had supernatural power. It was a sacred place of the Pawnees.

"The spring got its name," wrote Mr. Connelley, "for the Kaw word Waconda, meaning God. The Kaws were the last tribe to worship the spring as a god." This explanation of Waconda's naming conflicts with popular legends, one of which will be given later.

"Tribes known to have made frequent pilgrimages to the springs included Pawnees, Arickarees, Wichitas, Comanches, Cheyennes, Sioux, Osages, Kaws, Kiowas, and Arapahoes. They all came to hold ceremonials to ward off evil spirits," according to Mr. Connelley.

### Would Hold Ceremonials

Written history records these Indian pilgrimages to the spring ended in the early 1870's. This is disputed by Ernest Kisner, who was born within gunshot of the springs in 1873 and still lives in the same house in which he was born.

"As a boy I can remember at least 2 tribes visiting the springs," he says. "One tribe came from around Marysville and the other from somewhere in Nebraska. They would stop at the springs on their way home from buffalo hunting trips further west. They would stay a week or more, tanning hides and holding ceremonials. I remember only the Indian men took part in the ceremonials. Squaws had to stay across the river with the horses."

Mr. Kisner believes the Indians stopped coming in the early 80's. "They lost interest in Waconda when white men began to exploit the springs," he says.

Kansas history records the first white man to visit Waconda Springs was Sir William Johnson, in the spring of 1767. General Pike is said to have visited Waconda in 1814 while en route to Colorado, where he discovered Pike's Peak.

### Then Business Started

First permanent habitation at the springs was a sod house built in 1870 by a man named Pfeifer. A few years later a man named Burnham established a bottling works and started sale and distribution of Waconda Flier, now known simply as Waconda Water. In 1884 the first stone structure of the present sanatorium group was started altho it wasn't finished for 10 years.

For several years the place was operated as a hotel and resort by G. W. Cooper. During this time distribution of Waconda Flier was extended to all parts of the country.

In 1906 Dr. G. F. Abrahams, of Manhattan, bought the springs. Later he was joined by Dr. and Mrs. Carl Bingesser of the U. S. army and insular government service. The springs became famous under their management. Today the springs are operated by Dr. and Mrs. Carlos Bingesser. A son of the first doctor, Carlos, has been part of the management of the sanatorium since 1932, and cannot remember any home other than the springs.

The Indians did more than worship Waconda Springs, wrote Mr. Connelley in his paper on the subject. "Despite their awe of the springs," he says, "there existed with the Indians a knowledge of the immense value to them from drinking its waters."

This claimed medicinal value of Waconda Springs (Continued on Page 13)



"Who put th' zipper on that door?"



Waconda waters has been the key to its prominence. According to publicity used by owners of the springs the water from Waconda once was awarded the World's Fair medal for mineral waters of superior medicinal qualities.

In their advertising, too, owners of the sanatorium have stressed that water is the oldest healing agent for disease, and comes nearer being a panacea for all human ills than any other known curative agent. "Its value," they claim, "is in water's great power to absorb and communicate heat, which produces a great variety of physiological effects upon the body."

As a matter of fact Waconda Springs always has been popular with those who believe in the mineral water approach to health. The sanatorium has reached 2 peaks in its career, says Doctor Bingesser. "In 1926 there were as many as 78 patients taking daily treatments here. Then we reached a peak of 70 patients daily again in 1945."

Most of the food for these patients is raised right at the springs on a half-section connected with the springs. Part of this land is under irrigation.

#### People Came From Many States

A look at the register shows patients come from such far points as Indiana, Texas, Illinois, Utah, Georgia, Wyoming, South Dakota, Colorado and Arkansas. One recent patient came from Canada.

By the mid-20's water from Waconda Springs was being shipped out by rail at the rate of 150 gallons a week, according to Doctor Bingesser. "I can remember when we used to haul springs water by wagon to Cawker City, where it was shipped out via Missouri Pacific to all parts of the United States. Patients and visitors carried away another 5 to 10 gallons daily in fruit jars and other containers," says Doctor Bingesser.

One of the first swimming pools in that entire country was built at Waconda Springs in 1914. People drove for miles with horses and buggies to bathe in the mineral water. I can well remember trips I made as a boy from Downs to the springs pool, a distance of about 10 miles. The pool has not been operated in recent years.

It is said that Margaret Hill McCarter wrote her great novel, "Peace of the Solomon Valley," while sitting on the porch of the Waconda Springs sanatorium. Unknown to present youth, this novel was famous in Kansas a generation ago, excellent reading today.

A U. S. post office has been operated at Waconda Springs since about 1905.

Mrs. Carlos Bingesser is postmaster.

Altho Waconda Springs never has really been promoted as a tourist spot, recent publicity given it by Kansas Industrial Development Commission pamphlets has brought up to 100 visitors daily. If glamorized a little and properly advertised, Waconda Springs easily could be made an outstanding tourist attraction in Kansas.

#### Story of the Name

This is true partly because of the folklore that surrounds the place. One of the most interesting legends is the story of how Waconda Springs supposedly got its name.

Waconda, so the legend goes, was a beautiful Indian princess. While wandering along the Solomon river near the springs she came upon an injured warrior. She brought him a drink from the springs and used its water to bathe his wounds.

Altho this warrior was from an enemy tribe he and Waconda fell in love then and there and had frequent clandestine meetings in the months that followed.

During a council of the 2 tribes to decide whether Waconda and her young brave should be allowed to marry, feelings ran high. Instead of smoking the pipe of peace, a challenge of war was issued and accepted. The battle finally centered upon the little mound whose age-old pool reflected the cloud-flecked blue of the sky and the fearfully painted bodies of the warriors.

Waconda's lover was killed at the very water's edge and tumbled into the pool. Waconda, watching in horror, gave a despairing cry. Then, flinging her arms aloft and calling upon her gods to give back her lover, she plunged after him. The pool was deep and the water closed over them.

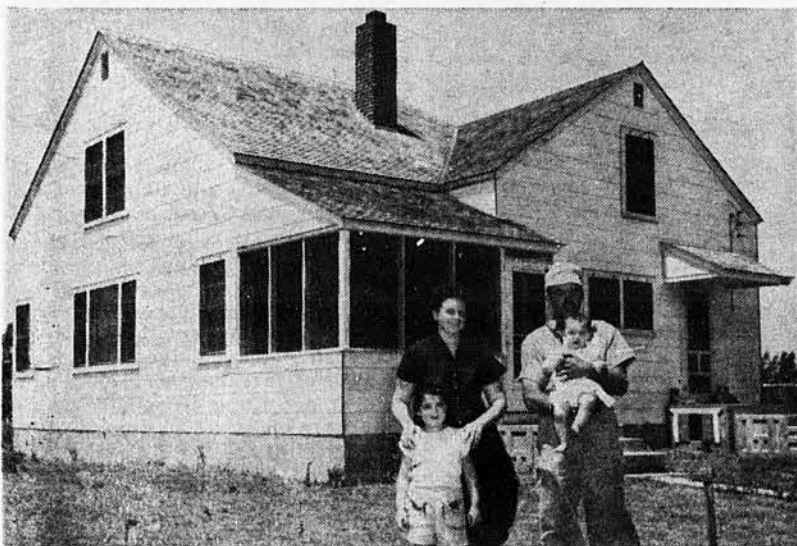
In awe, the legend has it, fighting warriors drew away and silently went to their camps. In memory of this event they called the pool "Waconda," spring of the great spirit.

Now, the springs are confronted with the same fate as the legendary namesake. Will the springs, in the name of flood control, be plunged below the impounded waters of the impatient Solomon, there to commune forever with the spirits of Waconda and her lover? Only time and the whims of Congress can tell.

#### Studies Overseas

Dr. Claude M. Fly, soil scientist in agronomy department at Kansas State College, is in Afghanistan, where he is conducting some research in soils.

### IT ONCE WAS A SCHOOL



IT'S NOT A SCHOOLHOUSE anymore! But it provides a wonderful 9-room home for the Jack Willars, of Delphos. The transformation, begun in June, 1950, took some clever engineering. A wide hallway between classrooms provided plenty of room for spacious built-ins along each side. Even a different floor level created by the school stage fits right in with plans. Willars have both been in 4-H active families since they can remember and are now community leaders in the Delphos 4-H Club. Projects in cattle gave Mr. Willars his start in farming. He now has a modern, 8-cow milking parlor and a herd of Holsteins. He is a director in artificial breeding program; farms 400 acres. Daughters are Linda Ann, 5, and Janet Kay, 8 months.

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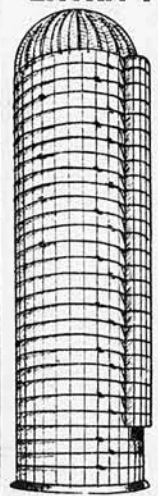
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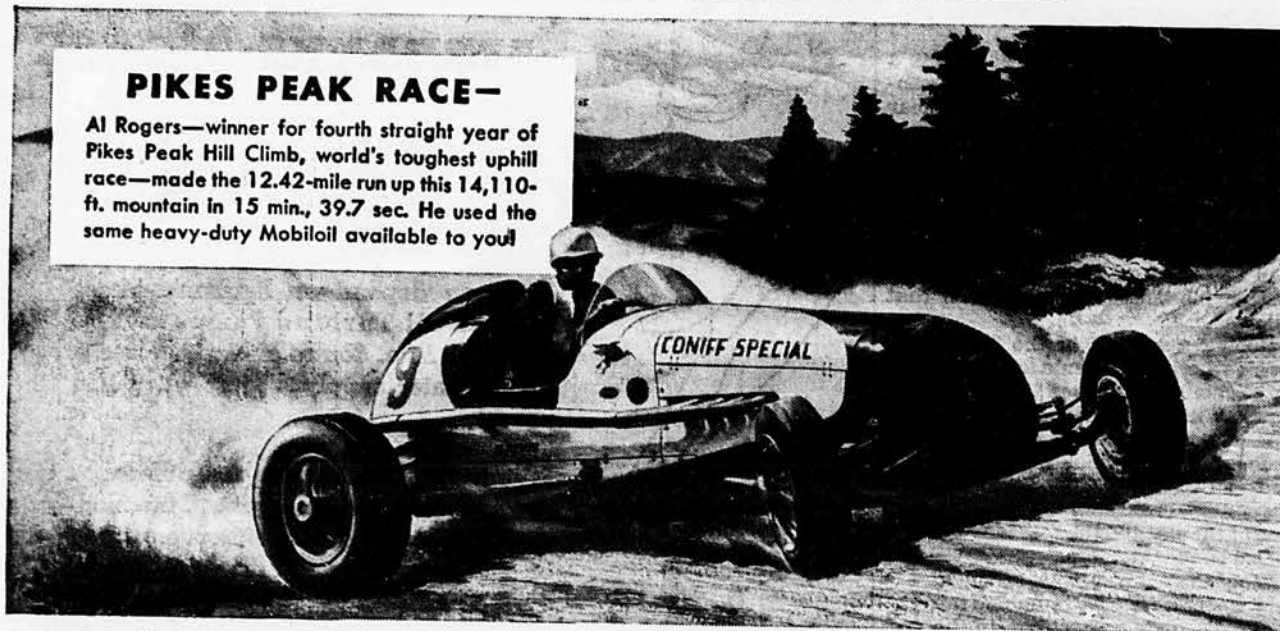


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# Mobiloil

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## Irrigation Guarantees Crop Production

(Continued from Page 1)

they have done and are doing to develop their farms thru irrigation.

Earl H. Moore and son, Robert, of Stanton county, own 480 acres, 320 of which can be irrigated now, and rent additional native pasture by the month.

They put down one good irrigation well in 1950 but got their system installed too late for 1950 use. They are using natural gas for fuel.

Already the Moores have 12 acres of beautiful alfalfa and last fall seeded 28 acres of brome in wheat, using wheat as a cover crop. The wheat made 30 bushels an acre and the brome was ready for pasture by August 19 this year.

There are 38 acres of certified Madrid sweet clover on the Moore farm with 40 acres more planned for next year. Under irrigation, too, are 160 acres of grain sorghum and 15 acres of cane.

### Want Hereford Herd

"With insured grain and forage production," says Mr. Moore, "we want to establish a herd of registered Herefords. We have 70 head now, mostly grades. We also have a few registered Duroc sows and a laying flock of 500 hens."

The Moore well is 330 feet deep with a lift of 125 feet. Fuel costs for pumping run \$3.50 each 24-hour day and the system will irrigate about 10 acres a day. Sixty acres on the farm had to be leveled at a cost of \$25 an acre. PMA paid back \$15 an acre.

Ray and Jack Julian, of Grant county, are farming 2 sections of land, with 350 acres in grass. Three quarters of land on their farm can be irrigated, but their system will not handle that much in any one year.

The Julians put in a sprinkler-type system in 1950, getting their water from the north branch of the Cimarron river. The FHA engineer who designed this system figured the water supply was not too dependable for every summer, but that its use in winter months justified it.

Jack Julian has 31 head of Angus heifers now while Ray Julian is handling 57 head of steers. The 2 men want eventually to build an Angus herd of 150 cows.

### Started in February

This year they got their irrigation system started in February and put 12 inches of water on their maize field before planting to build up the sub-soil moisture. Their sprinkler-type irrigation system is tractor moved so sprinkling is easier there than ditch irrigation. "We have been running our system almost constantly since we started it last February," says Ray Julian.

There were 100 acres of irrigated maize this year and 40 acres of alfalfa from which they got 4 cuttings. They plan to irrigate 200 acres of wheat this winter.

"Our best results so far have been on alfalfa," say the Julians. They put 25 pounds of 82 per cent liquid nitrogen on their maize this year and will put whatever fertilizer is needed on their wheat according to soil tests. Wheat probably will take 50 pounds of nitrogen. Fertility on the Julian farm is not too high.

A 100-acre field of sand lovegrass can be irrigated. Last year the Julians produced all their hay and got an alfalfa seed crop, too. This year they sold one cutting of hay, have 80 tons of stacked hay on hand and, at the time of our visit, had one more cutting of hay to harvest. "We couldn't grow alfalfa at all without irrigation," say the Julians.

On the Julian farm butane gas is used for pumping fuel. Costs have been running \$4.80, each 24-hour day. They are pumping 2 acre-inches an hour and producing 48 acre-inches of water

(Continued on Page 15)



every 24 hours at a cost of about 10 cents an acre for pumping.

Barnard A. Kraus, of Finney county, a World War II veteran, owns 320 acres with 240 acres under irrigation. He has been irrigating 4 years.

He uses electric power for pumping and says his bill runs slightly more than \$500 a year. This gives him a pumping cost of just over \$2 an acre a season.

#### Irrigated Wheat Yields

Irrigated wheat on the Kraus farm has been averaging 30 bushels an acre, milo 30 to 60 bushels and alfalfa 5 tons an acre. Winter irrigation is done on the alfalfa. "My land is not fully developed yet," says Mr. Kraus. "It needs more leveling for top production. But increased production of crops, especially alfalfa, is making it possible for me to pay off my loan in good condition. I'm not trying to get an alfalfa seed crop because of the storm risk. Instead, I take an extra cutting of hay to insure payments on my irrigation loan. My present farm is not large enough to normally provide a living farming on a dry-land basis. Machinery costs for farming a half-section without irrigation also would be prohibitive."

Dwight Hate, of Finney county, farms 120 acres, all under irrigation. He is building a dairy herd and recently converted an old barn to grade-A requirements. His dairy program, of course, will be supported by irrigation.

"Right now I have 7 cows milking," says Mr. Hate, "and my milk check for the first 2 weeks in August was \$197. I plan to double the herd soon and believe my 120 acres, under irrigation will eventually support a 30-cow herd. With plenty of water I can provide all pasture, grain and roughage needed."

Carrying power of irrigated crops was demonstrated on the Hate farm this summer. A 3-acre field of Sudan, watered 3 times, was more than his 7 cows could keep up with. "That Sudan just never quit growing," commented Mr. Hate.

Herschel H. Young, of Meade county, is farming 160 acres, all under irrigation, to support a heavy livestock program. He has 21 acres of brome-alfalfa used in 7-acre rotation fields, 37 acres of alfalfa, 17 acres of sweet clover, 55 acres of grain sorghums, 15 acres of Atlas and 10 acres of buffalo grass irrigated once a week.

On the Young farm there are 125 ewes, 15 Milking Shorthorns, 6 head of heifers and steers and 3 heifers less than a year old. The 21 acres of brome and 10 acres of buffalo grass supported all that livestock from May 1 thru the summer months.

Altho Mr. Young claims his best results with irrigation have been on alfalfa, his grain sorghum and Atlas fields were a sight for sore eyes last summer. Officials estimated his grain sorghum crop might go as high as 100 bushels an acre. Dryland farmers in his area had almost a total failure on grain sorghums except on fallow.

#### What Has Been Lent

Under the FHA program for irrigation development about \$400,000 have been lent in Kansas and about 13,000 acres have been brought under irrigation. Elgie Jones, state field representative, sums it up like this:

"Many small farmers, especially in Western Kansas, do not have enough land to make a real good living or to practice a balanced farming program. They often cannot acquire more land adjacent to what they already farm to enlarge their units. Our experience has shown many of these farmers can put in a complete irrigation system, either sprinkler or ditch type, for less money than the cost of an extra quarter section of land. With irrigation they can insure a livestock and balanced farming program, pay off their debts, and look forward to a good living in the future."

In our next article on this irrigation development program we will tell you the process for getting such a loan for your farm and outline the technical assistance available if you qualify.

*More Than 3 Short Months*

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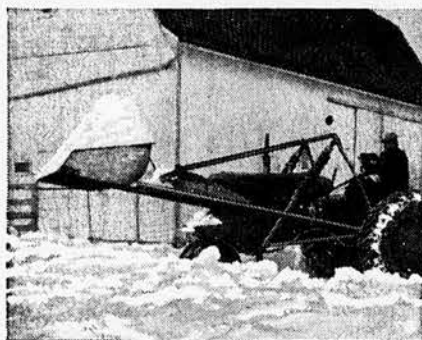
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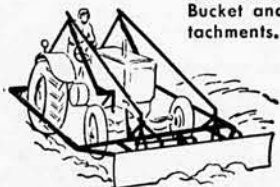
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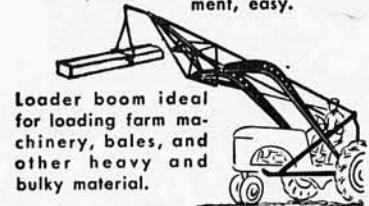
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## DANIEL GOES TO GREECE

I visit the village of Alexander the Great, admire Greek weaving, play doctor, show 4-H film strip

Remember, Kansas Farmer promised to bring you letters from 2 of our Kansas 4-H'ers who are spending some time on farms overseas this summer. Here is the 8th one from Daniel Petracek, of Oberlin, who has gone to Greece.

DEAR MR. GILKESON: (Yannitsa, Greece, October 2, 1952.) With less than 2 weeks left for me to live in the villages with the Greek people, my stay here in Greece is rapidly drawing to a close. In another month I will be on my way home and wondering how it was possible for 5 months to pass so quickly. It seems that it should be only a few weeks ago since we left America, but here it is October already.

I have been kept so busy ever since I arrived, and I have been moving constantly from one place to the other, that I have had very little time even to try to keep track of time. Every day or two I have been moving from one family to another, so I have been kept busy making acquaintances and saying goodbyes. I can happily say I have made many friends, tho, and I have my notebook full of the names and addresses of people whom I promised to write to when I get back to America. The language barrier has not been too difficult because of the many Greeks who speak English. Nearly everywhere you go you can find someone to speak with, so of course, that made this life much more easier and pleasant to live.

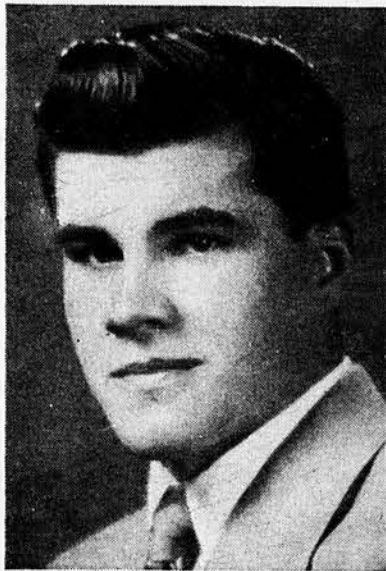
The past 2 weeks I had been in various villages in the Verria area. Now for the next 2 and final weeks I will be in the Yannitsa area. These areas adjoin each other, are the equivalent of counties back home. Here they are called Nomads.

### Sees Historic Areas

Yesterday, as we were going to Yannitsa, we stopped in the village that was the home of Alexander the Great. All along the roads in this area you can still see evidence of some of his works. One thing of interest is the huge hills or mounds of dirt about 100 feet high that dot the plain about every 1/2 mile. The huge mounds were built all by hand by the slaves and captives of that time. The purpose of them was a communications system that linked his great armies together, having soldiers stationed on top with mirrors to convey the messages. Also, I saw the huge bath that Alexander used. It was a beautiful pool of crystal-blue spring water with many colorful stones covering the bottom. It was built about 15 feet above the surrounding area, and water was about the same depth. It was a beautiful scene. To add to its picturesque beauty, we saw a group of women washing their clothes on the stones nearby. Seeing something like that seems to send you back 2,000 years and you wonder how little these people have changed since then.

It has been tremendously interesting to travel through Greece, because everywhere you go you see remains of the ancient Greek civilization which, of course, is the basis of all modern civilization—art, culture, language, architecture, etc.

Last week I spent 2 days in the home of George Vouloudis in the village of Trikkala. George is a graduate of the American Farm School of Salonica, so he could speak English very well. He



Daniel Petracek

has received a scholarship to St. Martins College of Olympia, Wash., beginning next semester so, of course, he was bubbling over with questions about life in America. His family treated me wonderfully and when the time came to leave I really hated to. That is the way it has been all summer tho—always making friends and then having to leave just when you have really learned to like each other. I hope that someday it will be possible for me to come back and visit all of them again.

George and I went out quail hunting one day, but it rained on us, so it sort of spoiled our luck. We did shoot one.

### Greeks Are Hospitable

I have found it isn't always wise to admire things of the Greek people, because if they find out you like something of theirs, they will insist on giving it to you if it is at all possible for them. The other day I was admiring the beautiful work a woman had done in weaving cloth on her hand loom. Before I left she insisted I take a small table scarf she had made. By the time the day was over, the word had spread that I liked their weaving and all the families I had made friends with were bringing me samples of their work to remember them by. In the end I had a collection of: 1 pillowcase, 5 table scarfs and 1 tablecloth! I am continually amazed at the wonderful and sincere feeling of hospitality the Greek peasants have shown me, and I have learned to love and respect them for it.

I'm not much of a doctor, but last week I had a chance to try my hand at it. I was sitting out in front of the families' house talking with them one morning when a neighbor limped over. He had his foot all wrapped up with a dirty rag and I could see it was beginning to swell. I asked him what had happened, and thru a series of motions and loud exclamations I was able to understand that he had dropped a large rock on it. After having him unwrap it I could see he had never done anything for it, so I got my first-aid kit and cleaned and dressed it for him. Before I was finished with him about half of the village came to see me work and before I was thru I had dressed cuts and bruises for 5 different people. From that moment on I was friends with everyone in the village and they all spoke to me whenever I met them.

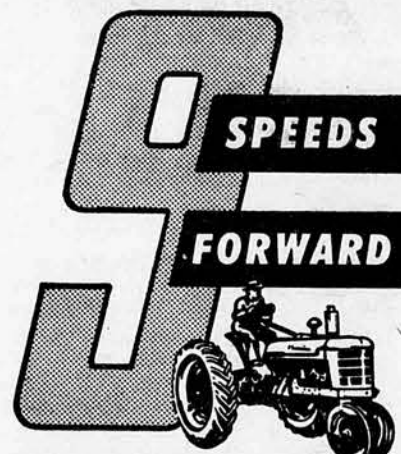
### Many Youth Clubs

There are many youth clubs like our 4-H in this area, so I have taken the opportunity to travel with the extension agent, who speaks English and talk personally to these groups. I also have a film strip with me on the "4-H Club Work in the U.S.A.," given to me in Washington. It has created quite an interest among the young boys.

P.S. I will write one more letter as a completion of my visit.

—Dan Petracek.

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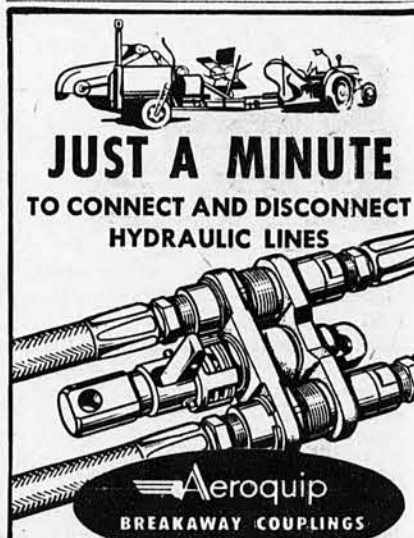
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## Coming Events

November 1-9 — National 4-H Achievement week.

November 5-8—Extension agents conference, Manhattan.

November 8—National 4-H Achievement Day.

November 9-15—American Education Week.

November 10—Barton county 4-H deferred steer show, Great Bend stockyards.

November 10—Pawnee county, livestock health and management meeting, stag supper, Larned, Youth building, City Park.

November 10—Labette county, Oswego township election for Labette county agricultural Extension council members.

November 10—Barton county 4-H deferred beef show, Great Bend.

November 10—Hamilton county, 4-H leaders school, Syracuse, court room.

November 10—Gray county 4-H achievement banquet, Ensign Methodist Church, Ensign.

November 10—Wabaunsee county extension council annual meeting, Alma.

November 11—Labette county, Mound Valley township meeting to elect 3 council members for Labette county agricultural Extension council.

November 12—Russell county, income tax school for all farmers.

November 12—Labette county, Osage township meeting to elect 3 council members for Labette county agricultural Extension council.

November 12—Hamilton county, annual meeting agricultural Extension council, Syracuse, fellowship room in Methodist church.

November 12—Russell county, income tax school, Russell, with H. C. Love, KSC Extension economist.

November 12—Kingman county, landscaping school, Kingman.

November 12—Nemaha county general dairy and dairy marketing meeting, Seneca.

November 12-21—National Grange, 86th annual session, Rockford, Ill.

November 12-14—Kansas Farm Bureau annual meeting, state-wide, Topeka, Municipal Auditorium.

November 13—Cheyenne county, annual meeting Extension council, St. Francis, courthouse.

November 13—Hamilton county, annual 4-H Achievement banquet, Syracuse.

November 13—Wilson county, agricultural planning meeting, with C. R. Jaccard, KSC extension specialist.

November 14—Kingman county, beef tour.

November 15—Barber county, 4-H achievement banquet, Medicine Lodge.

November 15—Pawnee county, annual 4-H achievement banquet, Larned, Zook school.

November 17—Butler county, annual agricultural council meetings, El Dorado.

November 17—Finney county, 4-H achievement party and fun night, presentation of awards, recognition of outstanding club members, recreation, refreshments, Garden City.

November 17-18—Barton county home demonstration unit leader training school, on "Land, Water and People," with C. R. Jaccard.

November 18—Ellsworth county, 4-H achievement banquet, Ellsworth, Wilson high school.

November 18—Barton county REA annual meeting, Great Bend.

November 18—Pawnee county, annual county Extension achievement program, Larned.

November 18—Woodson county annual meeting agricultural Extension council, Yates Center.

November 18—Labette county, annual meeting agricultural Extension, Altamont, City Building.

November 19—Kingman county, district ABA meeting.

November 19 — Wilson county horticultural school, with W. G. Amstein, KSC specialist, Fredonia.

November 20—Barton county 4-H achievement banquet.

November 20 — Jefferson county, Extension council annual meeting.

November 20—Labette county, annual meeting Extension council.

November 20—Phillips county, 4-H achievement banquet, Phillipsburg, Presbyterian church basement.

November 20—Wilson county extension council annual meeting, Fredonia.

November 21—Ellsworth county, annual meeting, Extension council.

November 21—Graham county, farmstead layout, landscaping and windbreaks, general meeting, Hill City.

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In fall, trees are dismantling their summer "factories" and preparing for winter. Plant food goes into tree for winter storage, and material left in leaves accounts for coloring. Chlorophyll (green-coloring matter) can't work as well when cool weather hardens wood and leaves become crisp. Wide variety of colors occurs when there's more sugar in leaves than can be transferred back into the tree. This excess sugar forms a chemical combination with waste substances in leaves. And blossoming forth are the reds, oranges, yellows, browns we all enjoy!



No. 3 in series of letters to you from  
Kling L. Anderson, writing from New Zealand

## Highlight of South Island Trip Was Seeing Franz Josef Glacier

By KLING L. ANDERSON

*Editor's Note—Kling L. Anderson, professor of pasture improvement at Kansas State College, is in New Zealand studying pasture work. Before he started, Kansas Farmer arranged with him for a series of letters telling of his experiences and findings. First one appeared June 7, 1952, issue. Next one appeared July 5, 1952, issue. Illness put him in the hospital for a month, making it necessary to postpone this trip thru South Island. You can't keep a good man down, so here is letter No. 3, which we know you will enjoy.—R. H. G.*

DEAR RAY: I'm back on my feet again, well enough to take a trip thru South Island with my family. They came out in early July on the Aorangi and after getting settled at Palmerston North, we set out on a sight-seeing trip. We now are planning a similar trip thru North Island and I'll send you an account of it. Later, I'm to take inspection trips with agriculture people here with special emphasis on pasture management.

I'm keeping a diary, so can send you my impressions from time to time. Here is a report of our South Island trip.—Kling L. Anderson.

Dear Ray: (Palmerston North, New Zealand, August 20, 1952.) My family and I have just returned from a long trip thru South Island where we visited some of the finest scenery in the world and enjoyed hospitality for which New Zealand is famous. We set off from Palmerston North on July 21 by rail for Wellington, the capital city of New Zealand. There we caught the ferry, a 7,000-ton, ocean-going steamer for an overnight run to Lyttleton, the port of the city of Christchurch. We had been warned about the rough seas in that area, but to our surprise the ship hardly rolled. We couldn't have had a more pleasant crossing unless we could have made it by day so we might have seen the coast and the sea along this 175-mile journey.

### Enter Historic Tunnel

It was not yet fully daylight when we reached Christchurch across the hills from the harbor—only we didn't cross them. Instead, we were taken by train thru a tunnel nearly 2 miles long. Christchurch has no harbor and, unfortunately, is separated from Lyttleton by a high ridge. Before the tunnel was put thru, back in the 1860's, the pioneers had to carry all their goods on their backs or on pack animals up over the ridge and down to Christchurch. Later we visited the top of this ridge from which we could look down on both Christchurch and the harbor. At top of the ridge they have erected a monument to the pioneer women.

Christchurch is New Zealand's second largest city. It is built on a level plain and is laid out around a large central square in the middle of which stands a beautiful cathedral. The square is the true center of activities in Christchurch. Here we found post office, theaters, tourist bureau, and large stores. All streetcar and bus lines start in the square, and during rush hours its traffic is just like in any busy American city, only in addition to cars and pedestrians, there are swarms of bicycles—68,000 of them at last count.

Christchurch was settled by the English and is said to be a bit of old England transplanted to New Zealand. The English influence is apparent in stone buildings and in architecture of such places as the cathedral and Canterbury University. Prettiest part of the city was the Avon river which meanders thru town, flanked on both sides by grassy parks and beautifully landscaped homes.

At Christchurch we changed trains and in the process had breakfast in a small eating house beside the railway station. Meals are not served on New Zealand trains. Instead, brief stops are made at mealtime, and for both morning and afternoon tea. After breakfast we were given reserved seats in a comfortable day coach and traveled southward all day, arriving in Dunedin near 5 p. m. Trains are not fast here and run on a very narrow-gauge track.

After a brief visit to the Fox glacier, which is somewhat more rugged and less accessible, we returned by bus to

Hokitika and thence to Greymouth, a little farther up the coast. Next day, on our way to Nelson, we traveled by Diesel rail car to Inangahua Junction to the Buller river and transferred again to a bus that took us thru the gorge of this river. The Buller gorge is deep and rugged and very steep. The river rushes seaward between sheer stone walls and the road runs high up on the canyon wall thru a dense beech forest. The narrow, gravel highway twists and turns up and up until it levels off above the gorge in a fairly wide, flat valley. Here, we were told, the Buller river is famous for its trout.

Our bus driver stopped at one place along this gorge to show us the evidence of an earthquake that had rocked the region in 1929. The earth had slipped violently along a fault line to give an abrupt 14-foot change in elevation.

Farther north we drove thru a large government planting of pines introduced from the Monterey Peninsula of California. This particular species of pine has been found so well-adapted


to New Zealand conditions it is the major one in the nearly one million acres of forest planted in this country. It makes up to 6 feet of growth in a season under the most favorable conditions, and certain trees have been known to increase as much as 2 inches in diameter in a year.

### Visit Large Orchards


The city of Nelson, which we reached that afternoon, lies at the head of Tasman Bay at the north end of South Island. Nearby is the major fruit-growing region of New Zealand. We drove for miles thru apple and pear orchards and saw large numbers of berry patches, and hop yards as well as quite a few dairy farms in the small valleys between ridges of low hills. On these hills were numerous pine plantings, many being harvested for lumber.

We returned to North Island by air, flying from Nelson to Wellington over the numerous sounds that dissect that part of South Island into many narrow, (Continued on Page 19)

# for INTEGRITY





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crooked, and hilly arms of land jutting out into the sea. Many of these arms were forested but some had been cleared and we could see sheep grazing on their steep hillsides. The plane quickly took us across the 14-mile-wide Cook Strait that separates the two islands and it wasn't long before we landed at Paraparaumu Airdrome.

After a couple of days at Wellington visiting the New Zealand Department of Agriculture and our own embassy, we returned to Palmerston North.

From Christchurch southward we crossed the broad, level Canterbury Plain, an important farming region. Here for the first time we saw cultivated fields in considerable numbers. In North Island, you will recall, the fields are nearly all seeded down to grass for permanent pasture. Here in Canterbury, however, wheat and other cereal grains are grown and you see many fields of kale and turnips or other root crops. These and a good portion of the oats and barley are planted for forage. We saw field after field of kale

and turnips being eaten off by sheep. Winters are colder here than farther north and grass is quite dormant at this time (July) of year, so winter pasture and hay are provided by these cultivated crops.

The soil, from appearance of crops we saw, seemed quite fertile, but many fields were quite stony. The whole plain is made up of outwash from the mountains to the west, hence the large amounts of stone and gravel.

#### Hedges Are Plentiful

An outstanding characteristic of farms on Canterbury Plain is the gorse hedges that separate fields. Gorse is a spiny, leguminous shrub introduced from Great Britain for use as hedges. In Canterbury, almost every field is surrounded by a gorse hedge, neatly trimmed to about 4 feet high and a little more than a foot wide. Gorse is not an unmixed blessing, however, for it has spread over the hills to become a serious pest in pastures. Thousands of acres of grazing land that have not

been carefully managed now have a dense cover of this shrub, its bright blossoms often coloring whole hillsides a brilliant yellow. It blooms thruout winter, and I presume the rest of the year as well. I have seen it everywhere I've been in New Zealand, and always it has appeared to be a threat to pasture land.

South of the Canterbury Plain the railway veered over to the coast to avoid crossing the ranges of hills that extend from the mountains out to the sea. Thruout the journey to Dunedin we traveled within sight of the snow-covered Southern Alps, and for the last half of the journey we were within sight of the Pacific Ocean.

Dunedin, a city of almost 90,000, was settled by the Scotch a little more than 100 years ago. Original plan was to name it New Edinburgh but they finally chose the name, Dunedin (*dun*, meaning hill and *edin*, from the word, Edinburgh).

Dunedin is a port city lying on rolling hills at the upper end of a long, narrow



"All right, now, Tommy—we'll just rinse that out."

bay that is protected by a hilly peninsula lying parallel to the coast. The harbor is not sufficiently deep to receive the biggest ocean vessels but nevertheless it is a busy port, handling wool, meat, and other farm products  
(Continued on Page 23)

# in GOVERNMENT

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Agricultural research has been expanded, with beneficial results in the development of more productive varieties of wheat and corn, and in improved feeding practices. \$150,000 was appropriated at the last session of the legislature for research into wheat diseases. About 4,000 miles of farm-to-market roads have been constructed. This program must be continued.


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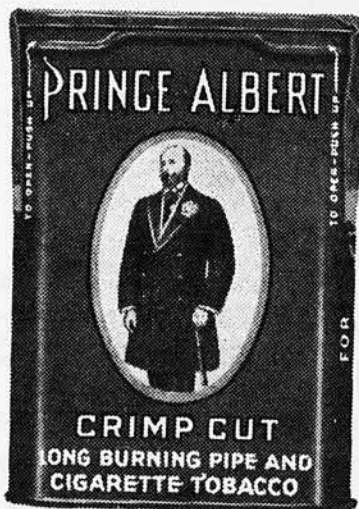
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### How Gorgeous Is Autumn in Kansas

WHAT A RELIEF it would be if, when you were greeted by your neighbor or friend it would be with, "How gorgeous is autumn in Kansas!" in place of, "My, isn't it dry!"

Perhaps we are too prone to emphasize our troubles and fail to recognize our blessings. For indeed it is a blessing for Nature to provide autumn with its panorama of color. Much time and money are spent each year by millions of people traveling to the far corners of the earth to see Nature's wonders. Yet we are often too busy or too engrossed in our everyday tasks to look about us and see Nature's beauty.

We took a short trip the other day, purposely avoiding the main highways so we could drive as slowly as we pleased. Everywhere, everything was a riot of color. Trees along the creek and in ravines looked as if a rainbow had brushed over them and left the colors there. Some trees seemed hardly touched at all, while others were a brilliant yellow, or a combination of yellow greens and browns; still others were a very rich, deep yellow or bronze, almost gold in color. The variations of shades in green, yellow, red and brown would tax the ability of a real artist to reproduce. How thrilling it was just to sit for a while and feast our soul on the beauty of it all. Nature has painted not only the trees but the grasses in the pasture and along the road, the wild flowers, the rocks, and the bushes all take on autumn coloring of yellow, gold, red and brown. It's all beautiful, it's all different, always changing from various shades of one color to the various shades of another, so perfectly blended that with a hurried look you are likely not to detect the various colors and shades.

If you become really interested and look closely you will discover beautiful bouquets all about you. Try gathering some bluestem grass, switch grass, wild wheat grass, slough grass, redtop grass, or just any of the various kinds of grasses to place in your home as a winter bouquet. Then see how many of

your friends will admire it and ask where you found such a beautiful bouquet. Yes, the pasture, the hill and the valley are filled with autumn bouquets surpassing in beauty any of man's efforts at color combinations.

Nature has not been partial, for one spot is not more beautiful than another, just different. The prairie without any trees is just as colorful, interesting and beautiful as the valley with many trees and shrubs. So, no matter where you are, the beauty of a Kansas autumn is all about you.

#### One of Most Beautiful

We are inclined to think this is the most beautiful autumn we have seen. At least, we do not remember an autumn when every variety of tree and shrub has taken on the depth and richness of color they have this year. We are accustomed to expecting the coloring in oaks and maples, but this year even the elm, the grand old standby shade tree in Kansas which usually sheds its leaves without coloring, has probably the richest coloring of them all, not as brilliant as the oaks but with a richness and depth in many combinations of yellow, gold and brown. On many elms the color seems to cover just the outer leaves of the tree while the inner leaves are still green. The cottonwood, poplar, birch and locust trees seem to have the brightest yellow coloring and in many cases, only a part of the tree is colored while the rest is still green.

Could it be that weather we are all so concerned about has been ideal to produce this unusual autumn picture? Could it be that Nature has a far more perfect system of checks and balances than we give her credit for? We are inclined to think the beauty of Nature was meant to boost our morale. The morale of a team, of an army or any group of people is the greatest motivating force for success within it. Wouldn't our morale receive a big lift if more of us would see and talk about the beauty of this autumn in Kansas?

### Early Dormant Season Control Of Peach Leaf Curl Is Important

By WILLIAM G. AMSTEIN, Kansas State College

THERE IS ONE job that should be completed before winter arrives if fruit plantings are given treatment they deserve. Main job needing attention now is controlling peach leaf curl.

The 1952 growing season will long be remembered by many peach growers as one of the most severe leaf curl seasons in a number of years. Peach leaf curl started to develop in late April or early May and by end of May, many trees and orchards were entirely defoliated. Loss of leaves was in itself quite a shock to the tree, especially in view of the severe drouth that followed. But in even greater concern was loss of the peach crop or the heavy drop that cut down total crop. Thus, both foliage and crop loss were important. No doubt with reduced vigor of trees it is possible more borer damage may result and many twigs may be injured by loss of foliage.

Every spring and summer after peach leaf curl is noticed, many letters and telephone calls are received asking for a quick control measure that can handle the problem after it shows up. This is one of the reasons for emphasizing early dormant season control of curl. If no attempt is made at control until red, swollen, twisted

leaves are noticed, there is no chance to check it. In other words, an early dormant season control program, that includes complete and careful spraying of all areas of tree, is needed and is only answer.

A little history of the disease may be worthwhile. In the spring shortly after leaves begin to unfold, curl is first noticed as a puffing or folding of leaf. Leaf blade is thickened and curl starts to show on it. Diseased portion becomes yellowish and tinted with red. Leaf becomes thickened, distorted; this may occur on a part or the whole leaf. Leaves thus affected die and fall. In some cases, especially this past summer, entire tree becomes defoliated.

A new set of leaves is then formed from dormant buds. Some trees may show injury on fruit, but more often fruit drops before it is noticed. Complete life history of the disease is not well understood. It is thought fungus lives over on bud scales as spores. These spores germinate during spring rains as buds swell and infect the young leaf as it emerges from bud.

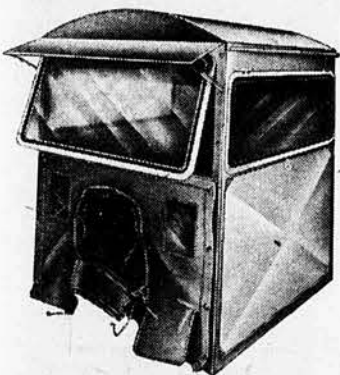
This is based on the fact that leaves from buds, well sprayed before the buds swell, show little or no infection

(Continued on Page 21)



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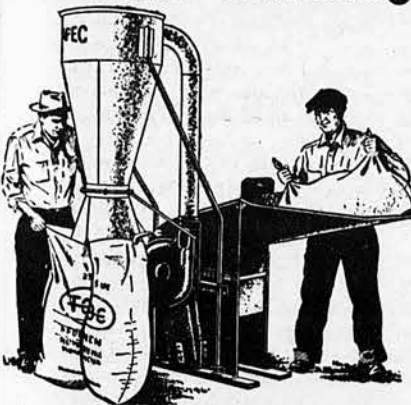
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during season, while unsprayed buds on same tree will curl badly. Likewise, buds sprayed after they have swollen, and especially after rains, usually will show curled leaves. As a rule, the disease is more severe in a season when cold, wet weather prevails in the spring. Somehow, spores that cause curl to develop get on the hairs of the bud-scales during late summer. These spores remain dormant until conditions favor their developing early the following spring. Combination of cold, wet weather following a warm spring period is ideal for a heavy leaf curl outbreak. Varieties may vary some in their susceptibility to curl. None are immune, however.

The time and thoroughness of the application of control measures are important points in control of peach leaf curl. It is necessary that control measures be applied before buds swell in the spring. Unfortunately in Kansas, peach trees may develop "spring fever" as early as January, enough at least to swell the buds. However, it is a waste of time and materials to spray for curl after leaves start and curl shows in an effort to control it. Very thoro spraying or coverage is needed.

### Can't Afford to Take Risk

In some discussions on curl control, the statement is made that dormant control measure may be omitted if peach trees received a complete sulphur schedule for brown rot control the previous season. Based on repeated experiences under Kansas conditions, I do not believe either home or commercial orchardists can afford to take this risk. Furthermore, many orchards that were well sprayed in summer of 1951 had severe curl damage in 1952 where dormant spray was omitted.

This past spring, a number of growers secured poor control results in spraying to control leaf curl. However, other orchardists in same community had good control results using same schedule. In fact, I know of 2 large Reno county peach orchards under the same ownership and management that had good control in one orchard and rather poor control in the other. I found one orchard was sprayed on a calm, quiet day; good control was secured. Other orchard was sprayed on a windy day; very poor results were obtained. A good job of spraying must be done and all shoots must be covered.

Either Bordeaux mixture or lime sulphur can be used to control leaf curl. A 8-8-100 Bordeaux or even a lighter strength material such as a 4-3-100 Bordeaux can be used. With Bordeaux, a small amount of dormant oil—2 quarts—can be added to each 100 gallons to secure better coverage. If San Jose Scale is present, at least a 3 per cent strength dormant oil should be applied with Bordeaux. Liquid lime sulphur can be used for curl control at the rate of 5 to 10 gallons in 100 gallons of water. Bordeaux is safer, less expensive, better and probably more convenient and agreeable to use. Prepared Bordeaux can be purchased that will give satisfactory control results. Follow directions given on package.

In view of the 1952 Kansas peach leaf curl losses, as soon as you recover from the 1952 election and find the weather forecast favorable (above freezing for 36 hours), a good dormant spray application is in order. Thoro twig coverage is necessary.

### "Button Up" Buildings

Plan now to use spare time to "button up" farm buildings for winter. Insulation provides better protection for machinery, increased value and attractiveness of buildings, and means higher productivity from cows and chickens. "Modernize and Save with Insulating Siding" pamphlet gives you advantages of insulating, suggestions. Insulating Siding Association, Glenview, Ill., makes this folder available, free. Write Farm Service Editor, *Kansas Farmer*, Topeka, Kan.

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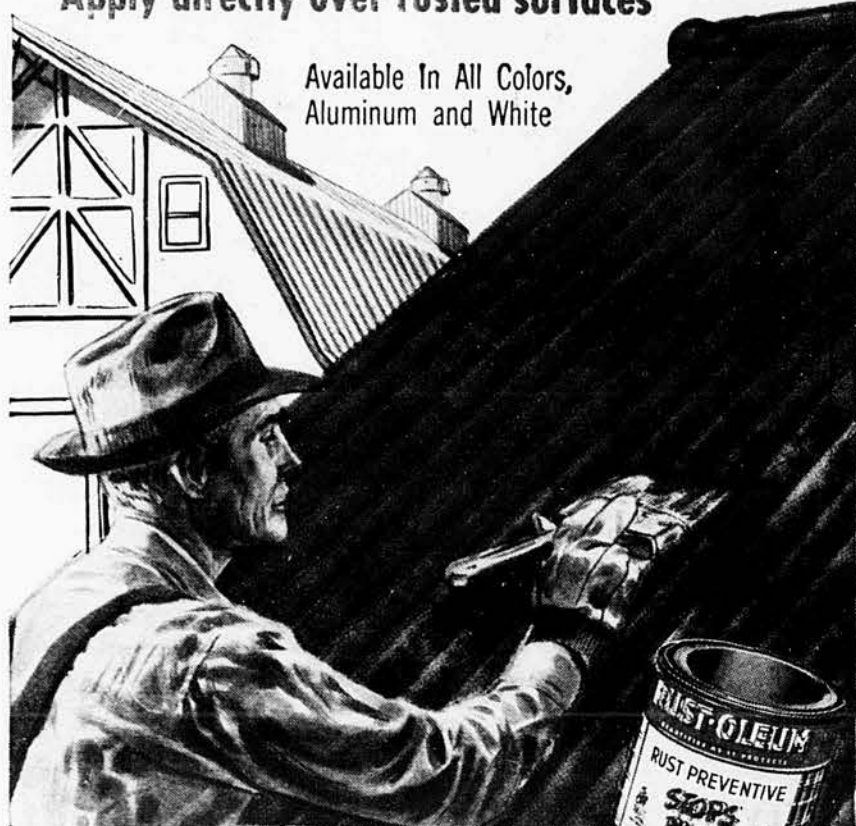
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answer to  
Complete  
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Rust-Control

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Apply directly over rusted surfaces



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COATING: RUST-OLEUM is safe to  
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• ALL COLORS, ALUMINUM AND  
WHITE: Gives you the color you  
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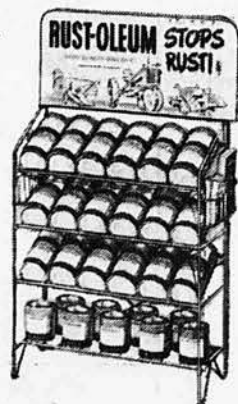
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Write for complete RUST-OLEUM literature, today.

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## JACK GOES TO NORWAY

Picks fruit on mountainside farm, visits with home-town girl,  
tours paper mill, offers to give you a talk

Remember, Kansas Farmer prom-  
ised to bring you letters from our  
two 4-H'ers who are spending some  
time on farms overseas this sum-  
mer. Here is the 8th one from Jack  
Grier, of Pratt, who has gone to  
Norway.

DEAR MR. GILKESON: (Bergen,  
Norway, October 7, 1952.) I am now  
settled on my third and last farm in  
Norway which is in Hordanger near  
the west coast. My host is Torkjell  
Sekse, a fruit grower and also operator  
of a small fruit tree nursery. The near-  
est town of any size is Bergen, a large  
shipping center about 80 miles north-  
west of here. The family here consists  
of Mr. and Mrs. Torkjell Sekse, Tork-  
jell's father and mother, and an 86-  
year-old grandmother. Mrs. Torkjell  
Sekse lived in America from one until  
16 years of age when her folks re-  
turned to Norway. Her father was do-  
ing county agent work in New York  
state with fruit trees mainly and is  
still connected with that type of work  
here in Norway.

### Visits Kansas Girl

Before leaving Tomb Jordbruksshole,  
Robert and I visited some friends of  
mine in Frederikstad. We spent a very  
enjoyable day with Mr. and Mrs. Ajas  
Klaer. Mrs. Klaer is the former Ann  
Scott, of Pratt, my home town. I  
thought it quite an opportunity for 2  
people from the same community to  
get together as far from home. That  
afternoon Mr. Klaer took us on a tour  
of a wood pulp and paper mill. He is  
purchasing agent for the firm and his  
father is president of the corporation  
which owns the mill. Ajas Klaer showed  
us the process of paper production from  
start to finish. This was extremely in-  
teresting.

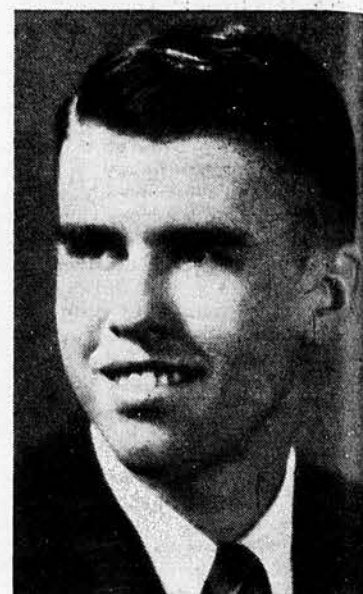
On the following Saturday Robert  
Miller and I left Tomb for Oslo, where  
we were to spend a day visiting with  
the assistant agricultural attache and  
4-H personnel in charge of us here in  
Norway. Purpose of the visit was to  
obtain suggestions from us 4 IFYE's  
on how the International Farm Youth  
Exchange program might be improved  
in Norway.

While en route to my third farm on  
the west coast I stopped off for a short  
visit with the Asle Ringnes family, my  
first host in Hollingdahl. It was almost  
like returning home, having spent 5  
weeks there in June and July. That late  
September morning that I left the Hol-  
lingdahl Valley for the last time was  
considerably different from the day I  
arrived—the ground was covered by a  
4-inch snowfall.

### Crosses a Fiord

I used many modes of transportation  
to reach my last farm in Hordanger.  
I came by train from Oslo which  
brought me across the mountains to  
Granvin, a small town located on a  
branch of the Hordanger Fiord. A ferry  
from Granvin took me across the fiord  
to Kinsarvik, and by bus from Kinsar-  
vik to Borge where I was met by Mrs.  
Sekse. We then had a 20-minute walk  
up a mountain road to the Sekse farm.

The Sekse farm is mainly a fruit  
farm with apples, pears, cherries, and  
plums making up the fruit crop. I ar-  
rived here just as the fruit harvest was  
beginning, so the most of my work here  
will be picking apples, pears and plums.  
The farm is located in the Hord-  
anger mountains on the shore of a  
branch of the Hordanger Fiord. It is  
10 acres in size, 4 times as long as it  
is wide, lying perpendicular to the fiord.  
The farm is on the west slope of a small  
ridge of mountains, extending from sea  
level to 170 meters (184 yards) above  
sea level. The slope is extremely steep,  
thereby making fruit picking more like  
a circus act than anything else. I don't  
know where one can get more excite-  
ment than swaying back and forth in  
a treetop atop a 25-foot ladder. I had a



Jack Grier

good laugh the other day when Tor-  
jell's father dropped his pail he was  
picking fruit in and had to chase it 100  
yards before he caught up with it. Had  
he not stopped the bucket it would have  
gone all the way to the fiord. There are  
350 apple trees, consisting of 11 different  
varieties, mostly 2 varieties. Pear trees  
are not as numerous, 90 trees consisting  
of 5 different varieties. Torkjell has 1  
cherry trees made up of 10 different  
varieties. Plums are of the least im-  
portance, consisting of 45 trees of  
varieties. . . Only a few pear and ap-  
ple trees remain to be picked, one day  
work, after which a couple of days will  
be spent digging potatoes. Fruit is  
picked from the tree into buckets. It is  
then packed in rectangular boxes which  
hold about as much as a bushel basket.  
The boxes of fruit are then stacked  
near the house awaiting shipment to the  
fruit packing plant nearby which is  
owned co-operatively by the fruit grow-  
ers around here. Fruit is hauled from  
orchard to house on a rubber-tired car  
pulled by a horse. Some fruit is pack-  
ed by Torkjell for shipment to various  
business concerns.

### Not Much Livestock

There isn't much livestock here—only  
one horse, 2 cows (which are dry at the  
present time), 3 pigs, and some sheep  
up on the mountainside. Pigs are fed  
ration of ground corn and potatoes  
mixed with hot water. I think the wa-  
ration is a good idea 'cause it is plenty  
cool here. It hasn't frosted here as yet  
but it doesn't get very warm at any  
time, either. The mountains across the  
fiord are covered by snow which makes  
up a glacier which remains there the  
year-round. Besides operating the fer-  
ry, Torkjell also maintains a small  
tree nursery. Besides propagating fruit  
trees he has 4,000 rose bushes slated  
for sale next fall. The fruit trees are  
sprayed about 10 times a year during  
the growing season. A stationary net-  
work of pipes is located thruout the  
orchard with a pump being centrally  
located here at the house to force the  
spray to whatever section of the or-  
chard desired. During previous years  
Torkjell has used different sprays on  
different trees and different periods of  
time. Next year he is going to try a  
general-purpose spray which would be  
suitable for all trees at all times, for  
better results.

### Sails on New Ship

My next letter to you will be writ-  
ten while I am en route to Le Havre,  
France, where I and 90 other IFYE's  
sail for New York November 7, about  
the S. S. United States. If any of you  
readers are interested in an illustrat-  
ed talk of my experiences in Norway you  
can write me at my home address  
RFD No. 1, Pratt, and I'll see what I  
can arrange.

—Jack Grier



## Highlights of South Island Trip

(Continued from Page 19)

for export and receiving fertilizers and manufactured goods.

On Sunday we returned to Christchurch, this time by bus, partly to see additional portions of the countryside but also because planes and trains weren't operating on Sunday. Almost none of them do on Sunday in New Zealand. We took special note of the many wide river beds of water-worn gravel. Snowfall is heavy in the high mountains and when warm, northerly spring winds blow across these heavy winter snows, the rate of snow melt is so great as to turn these streams into raging torrents.

After a second brief stop-over in Christchurch we caught a train for the west coast thru Arthur Pass. Snow was deep on the mountains for this was midwinter.

At the summit they pulled the train thru a 4-mile tunnel with an electric locomotive, changing back to a coal-burner at the other end where we met the east-bound train. Our trains simply traded locomotives, the electric engines being used only thru the tunnel.

We stayed that night in a small hotel at Hokitika, a town of perhaps 3,000 that was a roaring boom town in the gold rush of the 1860's. All that now remains of Hokitika's gold rush is a large dredge eating up the gold-laden gravelly plain and dumping out long spoil-banks of gravel behind it. Land worked over by a gold dredge is far more severely damaged than that turned over by our strip-mining operations in Kansas. The gold dredge washes all of the soil out first and piles the stones in deep layers over the top of any soil that might have been there before the dredging.

### See Beautiful Sights

Next day we went down the coast by bus to the Franz Josef Glacier, following a narrow, gravel road between the Tasman sea on our right and the snow-covered Southern Alps on our left. The bus drivers were extremely helpful in pointing out places of interest and made several stops to give the passengers a better chance to see the lakes and mountains. One especially beautiful sight was that of Mt. Cook and Mt. Tasman, two of New Zealand's highest mountains mirrored in Lake Ianthe.

The road to the glaciers passes thru a magnificent forest with some of the finest timber in New Zealand. Parts of this forest, or "bush" as it is called here, are being lumbered, but large tracts near the glaciers have been set aside as forest reserves to save these fine trees. This is a region of extremely high rainfall, averaging something over 100 inches along the coast and increasing rapidly as the land ascends. It reaches 180 inches a year at the Franz Josef Glacier and farther south averages of over 300 inches a year are recorded. Because of the high rainfall and mild temperatures, this forest of evergreen trees is dense and dark, full of vines and mossy undergrowth. The woody vines scramble up every tree trunk reaching for light among the treetops, and along the margins of

openings in this forest are large numbers of tree ferns, some of them up to 20 feet or more in height.

The hotel at the glacier is operated by the Government Tourist Bureau and is one of several such hotels located at scenic spots in New Zealand. The Tourist Bureau has been very helpful to us in planning our journeys, including tickets and reservations.

### We Climb a Glacier

Outstanding feature of our entire trip to South Island was the Franz Josef Glacier. We had caught just a glimpse of it from the road as we approached the hotel so after checking in we started hunting for a vantage point for a better view. The trail led to a small chapel about 100 yards back in the bush and from within thru a large window over the altar we had our first good look at the glacier with the snow-covered Alps in the background. I wish I could describe the beauty of that scene.

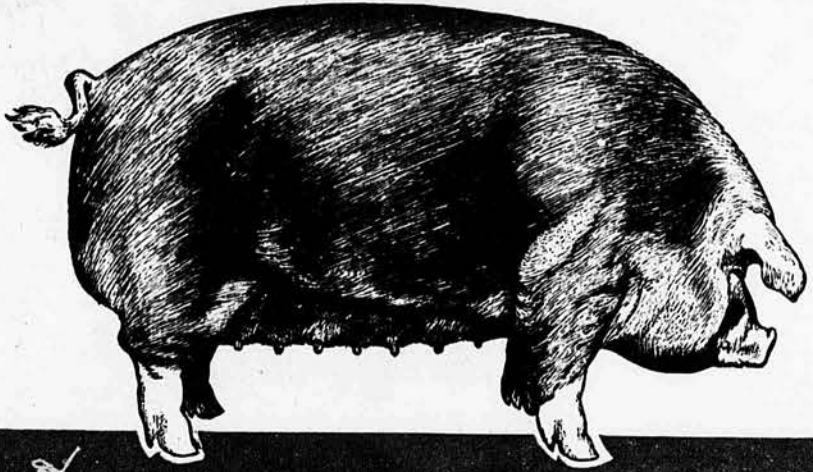
Outside we wandered around to the back of the church for another look at the glacier, and looking back into the plate-glass window we saw the same breath-taking view perfectly mirrored in the polished glass.

Next morning, after being issued alpine boots, and staffs for climbing, we were taken up onto the glacier. We drove to within an easy half-mile walk of it and from there we climbed about a mile up its rough surface to a point almost 1,000 feet higher than the starting point. Never having been near a glacier before, we were thrilled by the sheer walls of ice that we climbed and by the deep blue coloration in the holes and shaded places. The surface was split into giant cracks and jagged pinnacles over and among which we were led by 2 competent alpine guides who would chop tiny steps in the ice to help us over the tough spots.

Franz Josef Glacier is a little over 8 miles long, descending approximately 1,000 feet a mile. It averages about 1/3-mile wide but its thickness has not been measured. The nearby Fox glacier, similar to Franz Josef, has been measured as 1,200 feet thick, some distance back from its leading end, and presumably the Franz Josef must be about as thick.

### Learn Remarkable Features

These glaciers are unusual for at least 2 reasons: (1) They come down to within about 700 feet of sea level and (2) they extend right down into a rain forest that is almost subtropical in character. An additional remarkable feature is their rapid forward movement, the lower ends averaging about one foot a day. Rapid melting of the ice prevents forward extension of the leading end, however, the Franz actually having receded considerably in the last 30 years. In the upper reaches where the vast snow fields converge into the gorge, the rate of movement has been known to reach 20 feet in a day. The stresses set up by this movement cause the huge cracks and jagged pinnacles on this flowing river of ice.



**She'll Farrow More Pigs  
You'll Market More Pigs**

**On The Occo  
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### HERE'S WHY

**She'll Farrow More Pigs . . .**

The Occo Feeding Plan works 3 ways to give your sows every single nutritional element they need during the gestation period. 1. OCCO CIN-TRATE, the new, proved balanced Amino Acid supplement provides lower-cost, higher-quality protein; Plus complete guaranteed levels of vitamins, and other needed nutrients. 2. OCCO MINERAL-VITAMIN SUPPLEMENT provides all the vital minerals and vitamin D sows need. 3. OCCO-LAK'S yeast culture formula helps sows "unlock" and use more of the nutritional value of the grain they get.

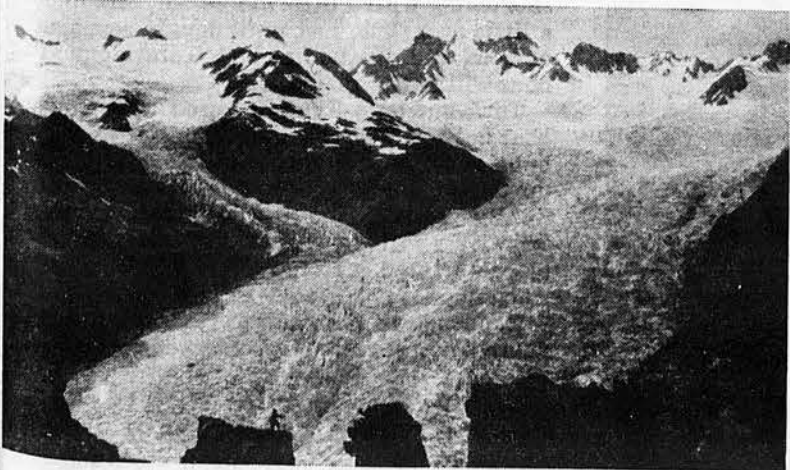
### HERE'S WHY

**You'll Market More Pigs . . .**

Twenty to 30 per cent of all pig embryos are lost before birth. One-third of all pigs farrowed die before they're old enough to go to market. The Occo Feeding Plan cuts these costly losses. An Occo-Fed sow gets all the protein, vitamins, minerals, antibiotic and other elements needed to keep her own body strong and build more, vigorous pigs that LIVE and GO TO MARKET. You can send these pigs from her litter to market cheaper, too. Occo Cin-Trate with its scientific balance of the ten essential amino acids slashes your protein costs.

**THE BEST YEAR 'ROUND HOG FEEDING PLAN**

**Occo**



Climbing the Franz Josef Glacier is a thrill for visitors.



# Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor

## Tempting, Tasty Treats

**Coffeecake,  
Cottage Bread,  
and Rolls**



**COTTAGE BREAD** is made with water, tastes like French bread, is simple to make and can be made in any size loaf.

EVERYBODY loves new varieties of bread, so here we come with 3 of them right out of the test kitchen. A yeast coffeecake, a cottage bread and crescent rolls. Yeast breads freeze wonderfully well. You may make up extra batches of these before company comes and store in the home food freezer. We recommend complete baking, cooling, then packaging as the most practical and time saving. Simply reheat when needed.

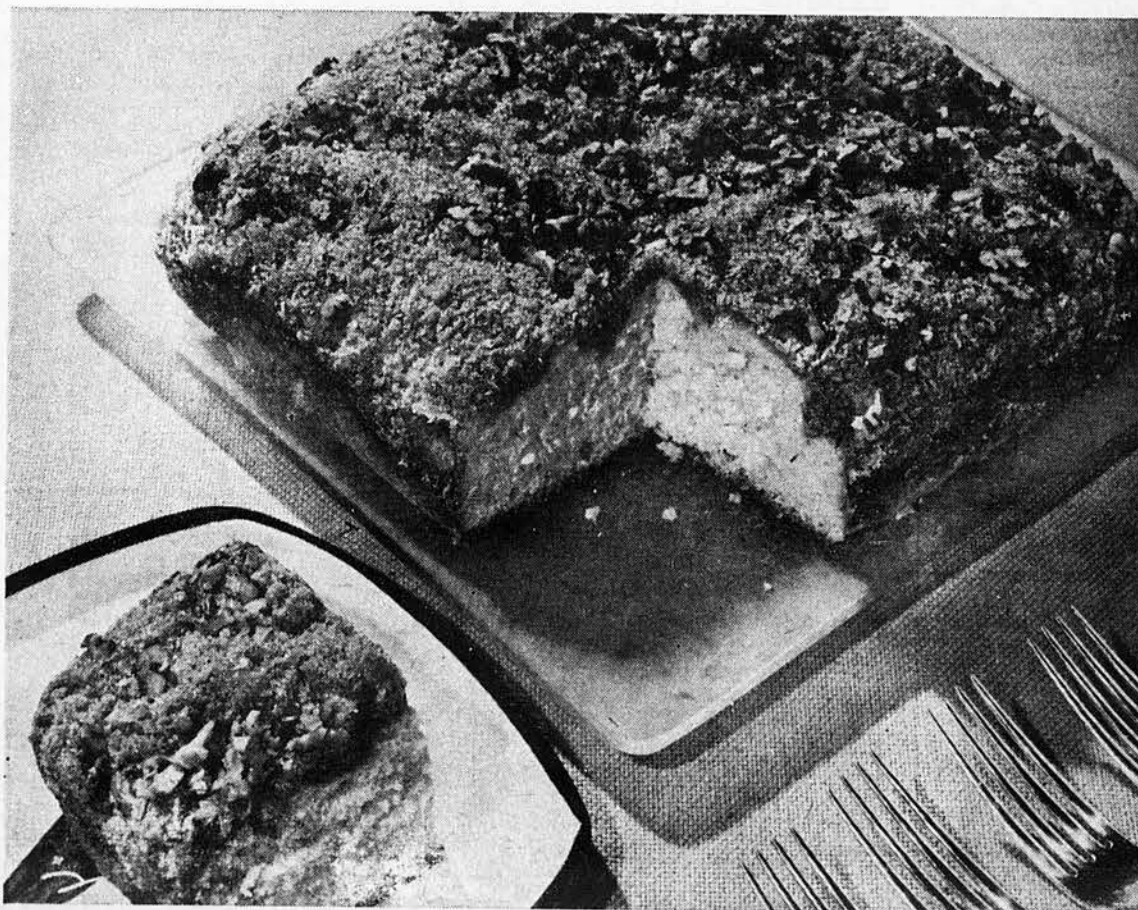
### Crunchy-Top Coffeecake

This is a quickie, nice for breakfast or party lunch. The buttermilk helps speed the process and adds flavor. It may be refrigerated and baked the following day.

1 egg	3 tablespoons sugar
3 cups sifted all-purpose flour	1 teaspoon salt
$\frac{3}{4}$ cup buttermilk	2 packages dry granular or 2 cakes compressed yeast
3 tablespoons soft shortening	$\frac{1}{4}$ cup warm water

Break egg into cup and use when at room temperature. Sift, then measure 3 cups all-purpose flour. Measure buttermilk into small saucepan. Measure shortening onto piece of waxed paper. Measure sugar and salt into medium-sized bowl.

Add yeast to  $\frac{1}{4}$  cup warm water and let stand. Warm the buttermilk and pour into bowl with sugar and salt. Blend together. Stir yeast mixture well and pour into bowl. Mix in  $\frac{1}{2}$  the sifted flour and beat until smooth. Then add the soft shortening and the egg with more flour. Mix in the flour a little at a time until it begins to clean sides of bowl. Total amount will be  $2\frac{1}{2}$  to 3 cups. Turn out dough onto lightly floured cloth-covered board. Fold dough over upon itself until smooth, about 25 folds. Cover with damp cloth and let rest 5 minutes. Meanwhile, grease one 9-inch square pan or two 8-inch round layer pans. Pat dough evenly into pan or pans. Cover and let rise in warm place 20 to 30 minutes, or until dent remains when finger is pressed lightly on dough.



Meanwhile prepare topping as follows:

$\frac{1}{2}$ cup sugar	$\frac{1}{2}$ teaspoon cinnamon
2 tablespoons brown sugar	2 tablespoons melted butter
	$\frac{1}{4}$ cup chopped nuts

Mix all ingredients together. Just before baking, make dents in dough with the fingers and cover evenly with the prepared topping. Bake cakes 35 to 45 minutes in preheated moderate oven ( $375^{\circ}$ ). Place pan on rack to cool.

**Note:** If you wish to refrigerate until the following day, add the topping to the dough in the pans, then tightly cover with waxed paper or aluminum foil and refrigerate. The next day bake immediately, as dough rises in the refrigerator.

### Cottage Bread

Being a "water" bread, the flavor is similar to French or Italian bread because one gets the taste of the wheat. It is simple to shape like 2 big buns or 4 smaller ones.

$3\frac{3}{4}$ cups all-purpose flour	$1\frac{1}{2}$ teaspoons salt
1 tablespoon soft shortening	1 package dry granular or 1 cake compressed yeast
$1\frac{1}{2}$ tablespoons sugar	$1\frac{1}{4}$ cups warm water

Sift, then measure the flour. Measure soft shortening onto piece of waxed paper. Measure sugar and salt into large mixing bowl. Add yeast to  $\frac{1}{4}$  cup of the warm water and let stand. Pour 1 cup of the warm water into bowl containing sugar and salt. Blend together until lukewarm and until sugar and salt are dissolved. Stir yeast mixture well and pour into bowl. Mix in  $\frac{1}{2}$  of the sifted flour and beat until smooth. Then add the 1 tablespoon soft shortening with a little more flour. Mix in flour a little at a time, just until dough cleans sides of bowl and can be handled. Total amount of flour will be  $3\frac{1}{4}$  to  $3\frac{3}{4}$  cups.

Turn out onto lightly floured cloth-covered board. Knead dough until smooth and little bubbles can be seen beneath the surface. Round up dough. Place dough smooth-side down in lightly greased bowl, turning once to grease top. Cover with damp cloth and let rise in warm place 45 to 60 minutes or until dent remains when finger is pressed deep into side of dough.

Punch down dough. Turn out onto lightly floured cloth-covered [Continued on Page 25]

**CRUNCHY-TOPPED COFFEECAKE** is a quickie for buttermilk helps speed the process and adds flavor. It can be refrigerated, too.



board. Shape into 2 round loaves. For smaller loaves, divide in 4 parts and bake on cookie sheet. Place on greased 8-inch round layer pans. Cover with damp cloth and let rise in warm place 30 to 45 minutes, or until dent remains when side of dough is pressed gently with the finger. Just before baking, quickly make 6-inch slashes, 1/4-inch deep on top of loaf to form a cross. Sift flour lightly over top of loaf.

Bake 35 to 45 minutes or until brown, in preheated moderately hot oven (400°). Cool on rack. (Bread is baked thru if it sounds hollow when side or bottom is tapped with the fingers. If bread browns too fast, cover with brown wrapping paper the last half of baking period to prevent burning top of loaf.)

### Luncheon Crescents

This is a no-knead recipe with good flavor and very easy to handle when shaping.

- 4 cups all-purpose flour
- 6 tablespoons soft shortening
- 1 cup milk
- 2 packages dry granular or
- 2 cakes compressed yeast
- 1/2 cup warm water
- 2 tablespoons sugar
- 1 teaspoon salt
- 2 teaspoons celery seed
- 1 egg
- 1 tablespoon butter

Sift, then measure flour. Measure soft shortening onto piece of waxed paper. Measure milk into small saucepan. Add yeast to the 1/2 cup warm water and let stand. Scald the milk and pour into bowl with sugar and salt. Blend together and cool to lukewarm.

Stir yeast mixture well and pour into the bowl. Add 1/2 of the sifted flour and beat until smooth. Then add shortening with rest of flour and mix together until blended. Scrape down dough from sides of bowl. Cover with damp cloth and let rise in warm place 20 to 30 minutes or until doubled in bulk.

Meanwhile grease 2 cookie sheets. Measure celery seeds into container. Beat egg slightly. Melt 1 tablespoon butter. Punch down raised dough. Toss onto lightly floured cloth-covered board. Divide into 2. Roll each into a 12-inch circle, 1/4-inch thick. Brush with melted butter.

Cut each circle into 12 pie-shaped pieces. Roll from wide end and stretch wide end of each piece a little as you roll, so the long point tucks under well. Curve ends to form a crescent.

Brush with beaten egg. Sprinkle with celery seeds. Let rise 15 minutes. Bake 10 to 15 minutes in hot oven (425°). Cool on rack a few minutes before serving. Makes about 2 dozen rolls. (Dough may be refrigerated several hours. Punch down occasionally as it rises. About 45 minutes before ready to bake, remove from the refrigerator. Shape as usual and let rise about 30 minutes or until doubled. Bake as usual.

### Stephen Foster Play

A playlet that is different and interesting, is "Stephen Foster's Vision." Requires 7 characters. Write to Entertainment Editor, Kansas Farmer, Topeka, and enclose 3c for each copy of leaflet desired.

## Bookmobile Attracts Attention In Johnson County Project



SEEKING FOR THEMSELVES were, left to right, Mrs. R. E. Haberstroh, Jr.; Mrs. Buford Young and Mrs. R. E. Haberstroh, Sr., all members of the East Oxford home demonstration unit, Stillwell.

DURING the week of September 2, Johnson county folks, from towns and from farms saw exactly how a bookmobile operates. It was one way of sparking interest in the library proposal which, if voted favorably in November, will provide first-class library service to all the folks in Johnson county. Topeka Public Library turned over its bookmobile for the week, together with driver, Barbara Duree of the Topeka library staff. Zelia French, president of the Kansas Library Association, and a member of the State Traveling Library, served as librarians on the bookmobile tour, explaining its features to all the folks at the stops.

Virtually all shopping centers, towns and crossroads were serviced during the week. Mrs. Mark D. Robeson, of Prairie Village, is chairman of a county-wide committee of 30 which is promoting the vote for a library tax for Johnson county. On August 7, the committee members turned in petitions signed by more than 5,000 qualified voters. The petition requests that the question of the county tax be voted on at the general election, November 4. Since the required number of names on the petition was 2,000, the excessive number showed strong support for a county tax-supported library. Farm women are taking part in this campaign.

# 33 YEARS AGO



In 1919, when folks read this ad, Butter-Nut Coffee was recognized as something special. It is STILL something special!

How some things have changed in 33 years—hair styles, clothes, wall decorations, most everything! But, NOT the wonderful flavor of Butter-Nut Coffee! It quickly became a great favorite when introduced years ago . . . it is NOW the favorite in more than a million homes!

Why? Butter-Nut Coffee is the perfect blend of more kinds of coffees, from more different countries, than are used in any other brand you can buy! Containing choicest importations from coffee-growing countries all over the world!

That's why every cup of steaming Butter-Nut Coffee gives you the distinctively rich, smooth quality you enjoy most!



Order from your grocer:  
1/2-lb., 1-lb.,  
2-lbs., 4-lbs.

Are you saving your Butter-Nut key strips to provide Christmas gifts for orphan children?

# Butter-Nut

"The COFFEE"

DELICIOUS





### CHRISTMAS STOLLEN

DISSOLVE 2 packages RED STAR Special Active Dry Yeast in  $\frac{1}{2}$  cup warm water (110° to 115°F.). Let stand. SCALD  $\frac{1}{2}$  cup milk and pour into large bowl with  $\frac{1}{4}$  cup sugar, and 1 teaspoon salt. BLEND together and cool to lukewarm. STIR yeast-mixture well and pour into the bowl. MIX IN half the sifted flour (total amount used will be  $3\frac{1}{2}$  to  $3\frac{3}{4}$  cups),  $\frac{1}{4}$  cup soft shortening, and 1 egg, and beat until smooth. Then mix in  $\frac{1}{2}$  cup raisins (or raisins and cut-up fruit-cake fruits),  $\frac{1}{2}$  cup chopped nuts, and  $\frac{1}{4}$  cup thinly sliced citron with more of the sifted flour, just until dough begins to clean sides of bowl.

Turn out onto lightly floured board. KNEAD lightly until dough smooths up and feels bouncy. Round up and place in lightly greased bowl, turning once. Cover with a damp cloth and let rise in warm place about one hour, or until dent is left when finger is pressed deep into sides of dough. PUNCH

down dough. Let rise again not quite as high as before, about 30 minutes. Meanwhile make icing for top of stollen. MIX together 1 cup confectioners' sugar, 1 to 2 tbsp. warm milk,  $\frac{1}{2}$  tsp. lemon juice or vanilla.

Turn dough onto cloth-covered board. DIVIDE in two. Pat one-half of dough into a 6x8-in. oval. (Keep other half of dough covered with cloth.)

SPREAD oval with soft butter. Fold in two the long way and curve into a crescent. Press folded edge firmly so stollen won't pop open. Shape second stollen. Place stollen a little apart on greased baking sheet. Cover with damp cloth and let rise 20 to 30 minutes, or until dent remains when finger is pressed lightly on side of dough. BAKE 30 to 35 minutes in quick moderate oven (375°). Remove to rack, brush with the icing, and decorate if desired.

ANY RECIPE IS A RED STAR RECIPE  
AND BEST OF ALL RED STAR KEEPS  
FRESH FOR MONTHS RIGHT  
ON THE PANTRY SHELF



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Classified Rate only 10c a word—12 words minimum.

## Stop Taking Harsh Drugs for Constipation

End chronic dosing!  
Regain normal regularity  
this all-vegetable way!

Taking harsh drugs for constipation can punish you brutally! Their cramps and griping disrupt normal bowel action, make you feel in need of repeated dosing.

When you occasionally feel constipated, get gentle but sure relief. Take Dr. Caldwell's Senna Laxative. It's all-vegetable. No salts, no harsh drugs. Dr. Caldwell's contains an extract of Senna, oldest and one of the finest natural laxatives known to medicine.

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Pleasant, minty-flavored Dr. Caldwell's acts mildly, brings thorough relief comfortably. Helps you get regular, ends chronic dosing. Even relieves stomach sourness that irregularity often brings.

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**25¢**  
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**DR. CALDWELL'S**  
**SENNA LAXATIVE**  
Contained in pleasant-tasting Syrup Pepsin

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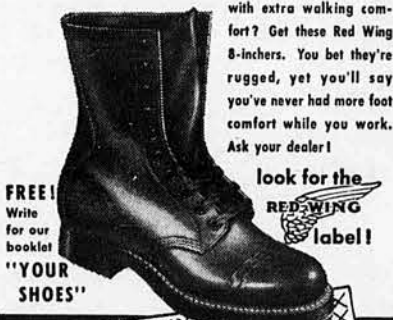
Full Box (90 lbs.).....\$10.00  
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DEPT. K, DELAND, FLORIDA  
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### More MILEAGE from every pair!

Want extra walking miles with extra walking comfort? Get these Red Wing 8-inches. You bet they're rugged, yet you'll say you've never had more foot comfort while you work. Ask your dealer!



**RED WING SHOE COMPANY**  
156 Main Street Red Wing, Minnesota

## Life at 4-H Encampment A Great Experience



STYLE REVUE contestants wait their turns before the judge. Marcia Bishop, Maize, Sedgwick county 4-H style review champion discusses her ensemble with Naomi Johnson, Extension clothing specialist of Kansas State College. Others, left to right, are Emma Jean Molz, Barber, Kiowa county; Mary Lou Skinner, Fairview, Brown county; Martha Helen Lucas, Leon, Butler county; Adele Holmes, Leroy, Coffey county.

LIVING AT THE 4-H Club Encampment Building during State Fair Week was a great experience for 750 club members. Most of them participated in judging and demonstration events. Others took care of livestock exhibits, kept booths and other entries in top shape for the week.

Afternoon and evening grandstand shows and a down-town movie party provided entertainment for these hard-working young folks. One of the opportunities offered by the encampment is the chance for making friends among 4-H'ers, their leaders and agents from other counties. Evening parties and sports events encouraged club members and their sponsors to make friends and exchange ideas on club work.

More than 3,100 home economics exhibits were housed in the 4-H building, each one a blue-ribbon winner from some county. An example of the resourcefulness of 4-H members was a clothing entry of Norma Wilford, of Allen county. The entry was a wool skirt made from a navy sailor suit. Her description of the job revealed more than ordinary difficulties. Original plans were to make a straight skirt from the trouser legs. Discovering that a mouse had chewed a hole in one of the legs did not stop Norma. She cut the center front gore of the skirt from a sleeve of the middie. Of course, the sleeve was not long enough and the gore had to be pieced. To eliminate the pieced look, Norma used 3 covered buttons on the seam line and made the spot a center of interest. Total cost of the attractive skirt was 95 cents for a zipper, thread and cost of cleaning.

Vera Banman, a 19-year-old 4-H'er from Nemaha county won first place in the style revue. She wore her navy blue taffeta silk coat dress with navy blue hat, bag and suede shoes. Vera is a sophomore, majoring in home economics at Kansas State College with ambitions to be a home demonstration agent. She will represent Kansas at the National 4-H Club Congress in Chicago. In the boy's contest, Ralph Waite, of Cowley county, was chosen first-place winner.

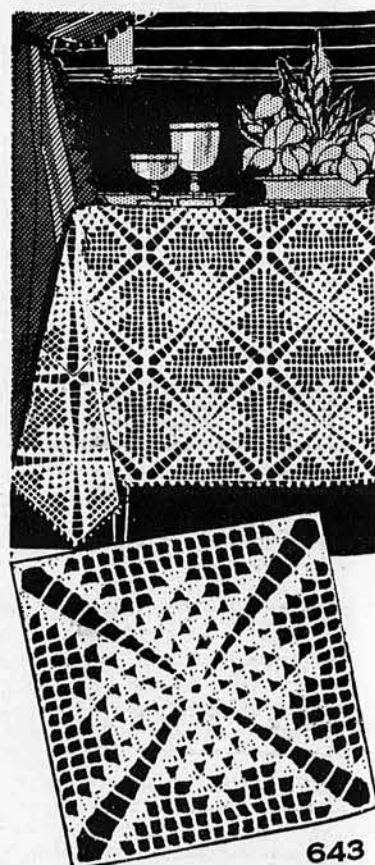
### Homemakers Enter Contests

Kansas homemakers entered a record number culinary and textile exhibits at the State Fair. More than 1,350 baked products and preserved food exhibits filled the domestic science department to capacity. Most coveted prize went to Mrs. John A. Franz, of Buhler, for top prize in the Governor's cookie jar class. She presented the cookies to Governor Arn before the

grandstand on Thursday afternoon. Mrs. Franz's decorations were international with the Liberal Pancake Day, Kansas wheat, and Kansas University's basketball team featured on the jar. Other decorations were the seal of Kansas, a map of the state, a picture of the Statehouse and a picture of Governor Arn. All was topped by a United States flag.

In the clothing and textiles department there were more than 900 entries, representing all types of household linens and wearing apparel. Norma Jean Miller, a Gray county 4-H member from Ensign received first-place award in a special crochet class. Her tablecloth will compete for national honors later this year.

### Quick to Memorize



Perfect for her first crochet job. Beginners love this simple square. Its rich design is right for a tablecloth, scarves or other accessories. Pattern 643 includes directions.

Pattern 25 cents. Address Needlework Editor, Kansas Farmer, Topeka.



## NOTES FROM THE BEET SUGAR KITCHEN

by Nancy Haven



Plan now for holiday candy treats and gifts. Send for "Candy—And How"—free, 30-page booklet—ideal recipes and secrets to end candy failures. And here's an extra winner to start on.

### Amber Nut Brittle

2 (7-oz.) cans mixed salted nuts  
or 3 cups whole nutmeats  
2 tablespoons butter or margarine  
½ cup water  
¼ cup dark corn syrup  
2 cups Beet Sugar

### ON YOUR MARK—

... with a heavy, 10-inch iron skillet for this gift-minded candy. The broad surface permits quicker cooking—and the heavy bottom discourages burning.

### GET SET

Rid nuts of excess salt by shaking in a sieve or rubbing gently between paper toweling. Lightly butter a large baking sheet. Lay out two forks.

**GO!** Melt butter or margarine in a heavy skillet; add water and syrup; bring to a boil. Add sugar; stir just enough to dissolve. Boil syrup (no more stirring) rapidly to 300° F. on candy thermometer (hard-crack stage when a small amount dropped in cold water separates into hard, brittle threads). Remove from heat; add nuts at once, stirring quickly. Pour out onto greased sheet (do not scrape pan), spreading as thin as possible. Use forks to pull brittle thin. When cool, break into pieces. Store in airtight container. Makes about 2 pounds.



Smart Shoppers  
buy BEET SUGAR

In all the world there is no better sugar than Beet Sugar for perfect candy—and every sugar use.

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## Musterole breaks up chest colds'

CONGESTION in nose, throat  
and upper bronchial tubes!

At the first sign of a cough, sore throat and aching soreness due to a cold—rub on highly medicated, concentrated Musterole. This great pain relieving rub not only brings speedy relief but instantly starts to break up painful local congestion. Musterole creates a wonderful protective warmth on chest, throat and back (like a poultice)—you can feel it work to bring amazing relief.



## I Garden in Winter, Too

What! No gardening in winter? As for me, I garden virtually the year around. Geraniums, calendulas, chrysanthemums, salvia, dwarf marigolds, forget-me-nots and many other flowers lifted from the border beds before frost will come in full bloom around Christmas. I select small, thrifty plants of blooming size or parts of larger plants, pot them in good soil, keeping them well-watered and shaded until after the shock of moving, place them in my south windows.

I root many in water if I don't want to bother with potting. Vines especially are nice for a note of greenery. Coleus, begonias, geraniums and others root easily in water and are ready for early planting outdoors come spring. I have even rooted rose cuttings in this way. Just before frost, I take up amaryllis bulbs which have grown to good size in the ground all summer, lay them on their sides in a shallow box or pan, cover the roots with soil and water, just enough to keep the roots alive, which is very little. When the leaves have all dried, I pot them in good soil, leaving half the bulk uncovered and water only when dry. They should bloom in 6 weeks or after 4 new leaves have formed. I followed this method last winter and had fine results, bloom stalks measuring nearly 30 inches and the flowers correspondingly large.

Later, when the seed pods are about ready to burst open, I remove the seed and plant them in a glass pie plate filled with vermiculite kept moderately moist. I think every one came up. About 2 months later I transferred them to a flat. Now they are small bulblets with 2 leaves which I shall keep growing thru the winter and transfer to the ground for next summer's growth. From the seed of 2 bulbs, I raised more than 50 new amaryllis plants. I do not allow the seed to dry out before planting so they will come up quickly. I learned this from corn and beans and it works with flower seeds, too.

I keep my plants on an enclosed back porch with south windows, but no heat except that which comes from the kitchen. The door never is closed and the temperature seems just right for growth and blooms.

My 6 living room and bedroom windows are reserved for the culture of African violets where they bloom best in winter. Leaves start well in winter, too. Another autumn tip I have found trustworthy is to pull up the bedding geraniums and hang them upside down in the basement or anywhere they will not freeze. Leaves will fall off but the plants will only be dormant, ready to get off to a quick start when bedded again at planting time.

—By Grace Williams.

### Fall Follies

I walked abroad one bright fall day  
And reveled with the breeze,  
When a vagabond wind made music  
By fiddling with the breeze.

I laughed to see the old pine trees  
And cedars look askance  
When they saw the elms and cottonwoods  
Doing a strip-tease dance.

The oak tree lifted her naked arms  
Above her ragged dress  
In shocked respectability  
Revealing great distress.

But soon the wind grew tired  
And I heard the heavy tread  
Of the old, old sandman, Winter,  
Who put them all to bed.

—By Mabel Wolfe Shaw.

### That Curious Age

Five little folks have short recitations on the subject of nursery rhymes in the leaflet, "That Curious Age." Humorous and entertaining. Write Entertainment Editor, Kansas Farmer, Topeka, and send 3c for postage. Your order will be filled promptly.

## Who uses more KARO than the Longs?



Shown above is the Richard D. Long family of Cedar Rapids, Iowa.



"When my hungry 'regiment'  
calls for their parade of  
pancakes and KARO...  
I thank my stars KARO comes  
in big, economy-size cans"



OUR FARM FAMILY'S ONLY A FOURSOME  
... BUT WE USE PLENTY OF KARO!  
WE BUY THE BIG-SIZE CANS, TOO!  
IT'S A NUTRITIOUS ENERGY FOOD  
OUR YOUNGSTERS LOVE

KARO makes the best frostings... sauces  
... flavorful cookies and delicious candy

Karo plays a very special role in making candy and frostings smooth and creamy... no crystals, and never grainy. Best, too, for moist, flavorful cakes and cookies that stay fresh to the very last crumb.

Tops for pancakes, waffles, biscuits... Karo is the right energy food for youngsters, delicious and nutritious... rich in dextrose, food-energy sugar. For an after-school snack... Karo on bread or Karo in milk.

Big family or small... you can serve America's favorite syrup... and save, buying the 5 and 10 pound cans of Karo Syrup.

KARO  
...the ideal  
all-purpose syrup

3 Kinds of Karo® Syrup  
• LIGHT (Red Label)  
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Choose your favorite flavor...  
pour on plenty of Karo... so rich,  
thick and delicious. Available in  
1½ pound bottles  
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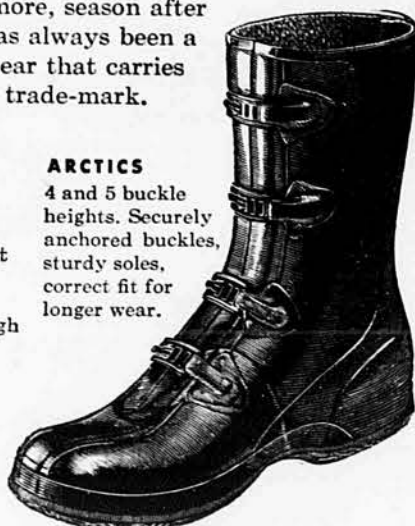


They are good looking, aren't they? And though they're styled right and are feather-light on your feet, BALL-BAND Weatherproofs are completely waterproof—and are made of the enduring quality that takes tough wear and comes back for more, season after season. Good honest value has always been a characteristic of footwear that carries that Red Ball trade-mark.



#### CORPORAL

Rubber pull-over boot for women and girls. Lightweight comfort with long wearing, high protection.



#### ARCTICS

4 and 5 buckle heights. Securely anchored buckles, sturdy soles, correct fit for longer wear.

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Weatherproofs by

**BALL-BAND**

MISHAWAKA, INDIANA

RESPECTED FOR QUALITY SINCE 1891

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MARK

**3 Out of 4** of Your Neighbors and Farmers all over the State Read

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Your Classified Ad Will Get RESULTS!

**Housework Easy Without Nagging Backache**

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

**Buy U. S. Savings Bonds**



**NOW! READY-BUILT PRESWOOD GARAGE**

Precision-built with rugged Masonite Tempered Presdwood on strong wood framing. It's 12 feet wide by 20 feet long. You can make it longer with extra four-foot sections. With a helper you can assemble it completely in one day. All outside surfaces of 3/16" Tempered Presdwood prime-painted. Curved design for greatest wind resistance. Rafters and studding one piece laminated. All sections accurately machined and pre-drilled for easy bolting and tight fit. All types and sizes of farm buildings, including double garages. Write for information and prices today. Order now. Immediate delivery.

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## Clothes That Flatter

9154—Slim lines that flatter a tiny waist. Smart and simple to sew. Misses sizes 12 to 20; 30 to 42. Size 16 takes 4 3/4 yards 35-inch fabric.

4870—You'll love this dress. So smart and attractive. Thrifty and simple to make. Women's sizes 34 to 48. Size 36 takes 3 3/4 yards 39-inch fabric.

9087—Here are the slim, trim lines that flatter you most. Perfect all-round casual for easy sewing. Half sizes 14 1/2 to 24 1/2. Size 16 1/2 takes 3 3/4 yards 39-inch fabric.



9154  
SIZES  
12-20  
30-42



4870  
SIZES  
34-48



9087  
SIZES  
14 1/2-24 1/2



9038  
SIZES  
6-14



9204  
SIZES  
S-14-16  
M-18-20  
L-40-42



4527  
SIZES  
12-20  
30-42

9038—Be the prettiest girl in school. Simple, easy sewing in this bright new dress. Girl's sizes 6 to 14. Size 10 takes 2 3/4 yards 35-inch fabric and 5/8 yard contrast.

9204—Five different aprons. Misses sizes small 14 to 16; medium 18 to 20; large 40 to 42. Small size bib apron 1 1/4 yards 35-inch; 1 yard contrast.

4527—Make this attractive casual for fall. Easy to sew and thrifty, too. Misses sizes 12 to 20 and 30 to 42. Size 16 takes 4 1/4 yards 39-inch fabric.

Pattern Numbers	Size	Name
		Route
		Town
		State

Patterns are 30 cents. Address Fashion Editor, Kansas Farmer, Topeka.



## Marketing Viewpoint

LEONARD W. SCHRUBEN, Feed Grains  
LARRY D. ERLEWINE, Livestock

Why have corn prices been going down when the weather has been so dry? Will they keep going down?—F. R.

Altho we have had a very dry summer in Kansas and in many other states, the Main Corn Belt states are producing a good crop of high-quality corn. Perhaps the second largest, on record. When big corn crops are harvested, prices go down at harvest time. Some farmers are willing to sell at lower prices because they don't want to store the corn. It is a matter of record that when U. S. corn production exceeds 3 billion bushels, corn prices drift lower from September to November. The latest official estimate of 1952 corn production was 3,256,550 bushels. Corn prices are expected to strengthen

within 60 to 90 days. There is a large livestock population to utilize feed grains. The corn crop is in good condition for storing and there appears to be sufficient storage space so there isn't likely to be too much distress selling.

Will the price of feeder cattle continue to decline?—L. S.

We do not expect declining prices of feeder cattle to continue as of this date (October 22). Larger than normal marketings the last few weeks because of the drouth conditions have forced the price lower than it would have gone normally. As a result, prices are likely to strengthen in the coming weeks.

More Corn Belt feeders will probably be at the markets during the next few weeks as corn harvest is completed. The excellent keeping quality of the corn crop means feeder cattle will not need to be purchased immediately thereby lengthening the period of buying.

Improved feeding margins for the coming season should be encouraging to feeders. However, this is still no replacement for feeding efficiency.

## USDA Yearbook Describes Many "Oddities" in the Insect World

SOME MOST UNUSUAL oddities in Nature occur in the insect world. Many unusual insects are described in the 1952 Yearbook of Agriculture of the U. S. Department of Agriculture.

In 1857 in Malay a tiger beetle was discovered which emits fragrant smelling perfume to attract small nectar gatherers to flowers, providing a delicious dinner for the beetle! At least 3 species of oriental praying mantids use color to aid them in getting food. Brightly-tinted color plates are used to "melt" with wood or leaves, to surprise other insects.

Most famous "camouflaged insect in world probably is the dead-leaf butterfly of the Far East. In repose against Nature's surroundings, it is extremely difficult to see, but when "on the wing" is very conspicuous. Walkingstick insects are smart, too, in camouflage techniques. One tropical specie is about a foot long, looks like dry bark on a dead twig.

An oceanic water strider can skate over waves hundreds of miles from shore, can lay eggs on floating sea-bird feathers and other bits of refuse.

### Living in Hot Water

There's an insect that's able to live in the mud of hot springs where water reaches a temperature of 120°F. There are ice-bugs, or alpine rock crawlers, which inhabit cold mountain recesses, usually at elevations from 5,400 to 8,600 feet above sea level.

The frog hopper surrounds himself with bubbles, made from excess sap sucked from a plant. Here he protects himself from direct rays of sun, and keeps moist by the foam. For millions of years this insect has done this to spend its early days—a primitive form of air conditioning while growing up!

Wingless larva of the oil-beetle waits for a bee to alight on a flower, then quickly attaches itself to the hair on the bee's back and goes sailing thru the air. It lives on food in the bee's nest until it's an adult.

A female ant, found in Tunis in North Africa, when aspiring to be queen, puts an ingenious plan to work. After fertilization, she alights near nest of a larger species of ant. Workers

seize her and drag her into underground chambers. There she takes refuge on back of the queen and remains unharmed. Eventually, she decapitates the rightful queen, becomes "new" queen.

The monarch butterfly is said to possess blood disagreeable to birds, thus reducing chances of being attacked. "Skunks" of insect world which release offensive odors for protection include the stink bug and the lacewing. Plant lice can produce a waxy substance to push blobs of the material into face of large enemy, to gain time to run away. The bombardier beetle emits a little cloud of offensive gas to drive off an enemy.

### "Playing Possum"

"Playing possum" works with insects such as walkingstick, monarch butterfly, ambush bugs, lady beetles. Once, a walkingstick became rigid and "lifeless" for 6 hours!

The great atlas moth of India has a wingspread of a foot! The microlepidoptera is a tiny "midget" of insect world—so small it can creep thru an eye of a needle! Fairy flies measure only 1/100th of an inch from head to tail!

In the Amazon country, there is a "fire ant" that has caused native villages to be deserted. An inch in length, "The Terrible Ant" of Brazil is said to produce a serious fever by its sting. There are "army" ants and "slave-making" ants.

There are beetles that feed on cigarettes, mustard plasters, red peppers! The drugstore beetle is known to eat 45 different substances. The death-watch beetle bumps its head on the top of its wooden tunnel to send a kind of "telegram" to its mate.

## Name 4-H State Wheat Champion

Kansas state 4-H wheat champion for 1952 is Donald Kozisek, Ellsworth county member from Holyrood.

A member 9 years, Don attended the 4-H conference at the American Royal this year as a prize for being county wheat champion. He harvested 150 acres of wheat this year, with average yield of 18.5 bushels. His project started as a 5-acre plot 4 years ago. As state champion he receives a gold watch.

Don has completed 11 projects while a member of Palacky 4-H Club. He has been president of his county 4-H Club council and his local club. Treating seed wheat and adding fertilizer to wheat ground were started as a part of his 4-H project, has spread to farm practices. He is now a freshman student at Kansas State College in Manhattan.

## Handy With Hammer?

If you're handy at carpentry and other building jobs, you'll want a copy of Kansas State College Extension USDA Plan 7031, "Structural Details—Masonry." Cost, 15c. Address your request to Farm Service Editor, Kansas Farmer, Topeka, Kan.

# SENSATIONALLY DIFFERENT!

## PATENTED SINCLAIR ANTI-RUST GASOLINE



Sinclair Anti-Rust Gasoline goes further than delivering full power to gasoline engines. Regular use of it effectively stops costly rust and corrosion in fuel systems. Only Sinclair can do this for your car, truck and tractor—because only Sinclair contains the amazing rust inhibitor RD-119®.

This revolutionary gasoline, so different that it has been granted a U. S. Patent, can save you costly repairs—and time and trouble, too.

Get the gasoline that PROTECTS as it POWERS—Sinclair Anti-Rust Gasoline with RD-119. It costs no more. Phone your local Sinclair representative today.

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Top Quality  
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## SINCLAIR ANTI-RUST GASOLINE

### Western Land Roller

CENTRIFUGAL and TURBINE PUMPS FOR IRRIGATION

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

MANUFACTURED BY  
**Western Land Roller Co.**  
HASTINGS, NEBRASKA



## KEEP THE GOOD LAYERS



Poor layers are a constant loss in feed and care—cull them out and sell them for market.

Keep Pilot Brand Oyster Shell before the good layers all the time, at a cost of a few cents per hen per year. Each hen should then produce 30 or more extra eggs per year.



FOR POULTRY

In the bag with the big blue Pilot wheel  
At most good feed dealers

OYSTER SHELL PRODUCTS CORP.  
New Rochelle, N. Y. • St. Louis, Mo.

## Kansas State College Judging Team Made High Score at American Royal

A 5-MAN LIVESTOCK judging team from Kansas State College almost made a clean sweep of the American Royal Inter-Collegiate Livestock Judging Contest in Kansas City, October 18. Under the coaching of Don Good, the team scored 4,361 points out of a possible 5,000 and placed first in quarter horses, cattle and hogs. Twenty teams composed of 99 boys and one girl competed. Ramond Sis, member of the Kansas State team, also was high individual with 922 points out of a possible 1,000. Other members of the winning team were: Raymond Burns, Val Brungardt, Lucky Lilliequist, and Jay Zimmerman.

A Kansas State College team placed fourth in commercial classes wool judging and second in breed classes.

Outstanding American Royal performance for any Kansas livestock breeder was that of John M. Lewis & Sons, of Larned, in the Polled Hereford division. They had champion Polled Hereford female in Alf Lady Return 36th and were declared Premier Exhibitor, computed from winnings. These winnings included placing first in 10 of the various classes.

Only 4 Kansas breeders entered the Hereford show. Out of this group CK Ranch, Brookville, landed first place senior yearling heifer in CK Cora Kay 2nd.

Simon Angus Farm, Madison, did a good job of upholding the reputation of

that breed in Kansas. Simon's Prince 105 of SAF, which was grand champion Angus at Kansas State Fair, was judged junior and reserve grand champion at the American Royal. Simon Angus Farm also had first place pair of yearlings in class 19.

Seven Kansas breeders entered the Shorthorn show, with Mills & Mills, of Sylvia, getting first place in class 22, steers calved between September 1 and December 31, 1952.

In the barrow show Kansas State College made a fine showing. The college had champion pen of Duroc barrows, first and second place Duroc barrows 260 pounds and under 300 pounds; first place on 3 barrows from Class 10; first place on 3 barrows from Class 11; first place on 3 barrows from class 12; first place on 5 barrows, get of one sire.

Kansas State College had champion pen of Spotted Poland China barrows. In addition the college had first place in 3 barrows from class 10; first in 3 barrows from class 11, and first in 5 barrows, get of one sire.

### Premier Hog Exhibitor

Glenn F. Wiswell, of Spring Hill, was judged premier American Royal exhibitor in the Poland China-breeding hog division.

Kansas State College placed second on 10 head of fat barrows judged on foot and placed fourth on 5 carcasses judged on carcass and cut-out value.

In the sheep division Kansas State College placed first on Hampshire wether lambs; Charles M. Brink, Spring Hill, placed second on 3 Cheviot wether lambs; Oliver M. Kirts, Overland Park, had second on a Shropshire ram lamb. Kansas State took 3 seconds in Rambouillet classes. In the Suffolk show Kansas State College took first in class 3 and class 7 and landed first, second and third places in class 5.

Several Kansas boys and girls managed to place well in the 4-H Club fat cattle division. Virginia Kinder, of Esbon, had third place Angus weighing 950 pounds or over. Lowell Lagasse, Ames; Elaine Olson, Council Grove, and Larry Henry, Randolph, placed one-two-three in Angus weighing under 950 pounds. Lowell's entry was judged the reserve champion 4-H Club Angus steer. Mary K. Kocher, Onaga, had third place Hereford weighing under 950 pounds; Calvin Koch, Alden, had second-place Shorthorn weighing 950 pounds and over and second place Shorthorn weighing under 950 pounds.

In the fat hog show Nancy Ann Nagel, Valley Center, had second place Spotted Poland China; Morris Eidman, Emporia, second place Chester White, and Alice Marie Nagel, Valley Center, first place Berkshire. Sunny Dale 4-H Club, Valley Center, placed third on 3 barrows from one 4-H Club.

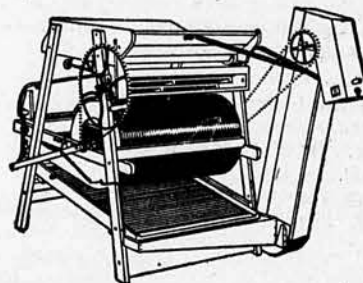
### Good 4-H Lamb Showing

Kansas boys and girls made a good showing in the 4-H Club lamb show. In the Hampshire class 2 Kansans, Jeanette Collister, Manhattan, and John Miller, Kansas City, had first, second and third place lambs. Janis Schoof, Council Grove, had first place Shropshire lamb. George Atkeson, Manhattan, had second place Southdown. Jim Angle & George Atkeson, of Manhattan, had first in class 18. Jeanette Collister's Hampshire lamb was judged reserve champion of the 4-H fat lamb show.

Fred Toland, St. John, had first place fine-combed commercial wool fleece and Kansas State College had first place in 1/2-blood combing.

N. R. Masters, Halstead, had second and fifth place winners in carlot cattle contest. They were Herefords. In the stocker-feeder division Dan Casement had a first prize carload of Herefords. Other Kansans who ranked well were Eunice & Fred Shaffer, Russell, second; Angus; F. C. Ramsey, El Dorado, second; Angus; Fred Claussen, Russell, third; Angus; F. C. Ramsey, El Dorado, third; Angus; C. Lee Reeve, Garden City, fourth, Angus.

**SAVE MONEY** Clean your seed grain on your own farm and avoid the risk of having it mixed with others.



### HERO FANNING MILL

Designed to meet the farmer's needs. Will clean, separate and grade—in one operation—any grain or field seeds commonly grown on the farm.

Write for folder and name of dealer near you.

### PIONEER FANNING MILL CO.

1332-H North Second Street  
Minneapolis 11, Minnesota

### VACUUM BLOWER

If you own a forage harvester . . .

You need a Pieck Vacuum Blower, an unloading device for anyone who owns a field-chopper, for hay, wet or dry, and for corn silage.

Eliminate pump systems, shoveling, raking, and choked feed tables. Can be used with ordinary farm wagon or truck.

ONE-MAN OPERATION—JUST DRIVE UNDER TUBE AND UNLOAD! Write for details.

KUCKLEMAN IMPLEMENT CO.  
SENECA, KANSAS

### LITTLE ADS BRING BIG RESULTS

in Kansas Farmer—Classified Department. Only 10c a word, per issue—12 words minimum.

### PEERLESS Portable - Stationary ROLLER MILLS

CRIMPS-CRACKS All Feed Grains WITHOUT DUSTING

Giant 10-in. diameter Tuf-Cast, chromed rolls crimp or crack grains better, faster, with less power. 10 Portable and Stationary Models. PTO and V-Belt drive. Farm, Feeder and Mill sizes.

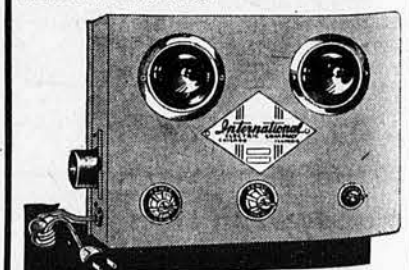
FREE LITERATURE—Gives full information, capacities and prices. Write to:

PEERLESS JOPLIN, MISSOURI Dept. 107

### \* SAVE 60 to 90% on your FENCING COSTS

- By using International WEED-CHOPPER® Fencer to put electricity to work for you.
- By using an International WEED-CHOPPER® Fencer to teach your stock "Fence Manners."

FOR ONLY \$29.50 you can electrify many miles of fencing . . . and your stock will remain in bounds—won't stretch or push down fences. See your International Dealer, or write direct for Free booklet: "HOW to Build a Good Electric Fence."



106 "WEED-CHOPPER"®—\$29.50 Will not short out because of weeds or grass growing up to fence line. Other electric or battery models from \$12.95 up.

INTERNATIONAL FENCER CO.  
1105-B W. Chicago Avenue—Chicago, Illinois

\* 18-ga. copper covered steel wire, 53 angle steel posts with insulators and a "WEED-CHOPPER"® costs only \$69.00 for 1/2-mile of fence.

## ENJOY MODERN CONVENIENCES WITH A CONCRETE SEPTIC TANK

A concrete septic tank provides your family with all the conveniences of modern plumbing.

It also protects your family's health because a concrete septic tank system safely disposes of all household and human wastes.

A concrete septic tank is easy and economical to build, lasts a lifetime. It's a wise investment in better living. Why not write today for helpful, free literature?

### PORTLAND CEMENT ASSOCIATION

1627 Dierks Bldg., Kansas City 6, Mo.

A national organization to improve and extend the uses of portland cement and concrete through scientific research and engineering field work



## Capper Foundation Seals Feature Berkshire Hills



"Berkshire Hills" by Leo Blake

last year. If your name was not on last year's list, fill in and return the coupon below at once, and you too will get a sheet of 100 seals.

The Capper Foundation for Crippled Children  
8th & Jackson Streets, Topeka, Kansas

Dear Sir:  
Please send me a sheet of 100, 1952 Christmas seals. I am interested in the work the Capper Foundation is doing for crippled children.

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

Again the Christmas seals put out by The Capper Foundation for Crippled Children show a winter landscape. This year the scene is near Berkshire, Massachusetts, and includes the home of the artist, Leo Blake. The seals are attractively presented in four colors. These bits of brightness will add interest to your Christmas mail.

There's a sheet of Christmas seals being sent to each person who contributed to the crippled children fund



## Report Results of Feeding Tests

Kansas State College feeding tests show prairie hay with protein supplement is a good winter ration for calves. Fifty steers were divided into 5 lots of 10 each. Three lots were wintered on prairie hay for roughage, with various amounts of grain going to different lots. One lot of 10 steers was wintered on roughage and one on bluestem pasture. All received protein supplement, and all were pastured together last summer.

Steers fed prairie hay gained from 38 to 355 pounds each, according to different amounts of grain fed the 3 lots. Those on bluestem last winter gained 308 pounds; on silage, 297 pounds. Silage was poor quality, according to animal husbandry department. Altho steers on prairie hay gained most, those left on pasture required much less labor.

## Win Skelly Award

Winner of the W. G. Skelly Agricultural Achievement Award for week ending October 25 is a Kansan and his family—Mr. and Mrs. Ray Chamberlain, Olpe. They received a \$100 U. S. Savings bond, gold lapel pin, and scroll at a community breakfast.

Major projects on the farm are dairying, feeding cattle and soil conservation. Ten cows (which produce 4,400 pounds butterfat) are foundation from which a herd of registered Holsteins is to be developed. Field crops include 60 acres of corn averaging 60 bushels, 20 acres of soybeans averaging 25 bushels and 60 acres of brome grass. One farm has been completely terraced and has 9 stock ponds. Mr. Chamberlain and son have done a top job in pasture management—one of the first farms in use of fertilizer and improved pasture grasses.

The Chamberlains are active in community clubs and activities.

## Study Corn Variety Plots

Corn varieties and fertility plots were studied by about 100 farmers in Washington county on their recent Corn Field Day. Visitors went to farms of Frank Stratton, William Seitz and Leonard Meier.

At Mr. Meier's farm, 19 varieties were harvested, with US 523-W being high-yielding corn. Yield was 83.1 bushels per acre. Lowest-yielding corn was 56.4 bushels per acre. Corn in this plot had 50 pounds of nitrogen put on in form of anhydrous ammonia, and increase in yield was 7.7 bushels per acre. In soil-fertility plots, reports E. L. McClelland, county agent, 30 to 50 pounds of nitrogen increased yield about 7 bushels per acre.

## Swiss Scientist Studies at KSC

A Swiss scientist is in Kansas to study crop variety development and insect control. Dr. Ernst Horber, Zurich, is at Kansas State College for a year's study under the International Institute of Education. He will study development of cereal crop varieties resistant to stem maggots, Hessian fly and other insects and mites. Scientists of several Western European countries recommended Kansas State College to Doctor Horber.

## A Housewarming Party

This leaflet is suitable for a group to use in planning a housewarming for a friend or neighbor. The chairmen of games and gift committees should work together in planning the party as the prizes for the 5 games should be gifts for each room for the guests of honor. Send 3c to Entertainment Editor, Kansas Farmer, Topeka, and ask for the Housewarming Party leaflet.

# 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 Inches	Cost Per Issue	Column Inches	Cost Per 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

Raise Hy-Line Hybrid Chicks in 1953 for greater profits. Farm tests show Hy-Lines produce more eggs per bird; reduce feed cost per dozen. New circular contains proof. Early order savings by placing 1953 Hy-Line Chick order this month. Coombs Silver-Cross broiler chicks hatching now. Specially-bred, fast-growing meat bird. Write today. Coombs & Son, Box 6, Sedgwick, Kan.

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

Roosts, Reds, Hampshires, Wyandottes, \$8.95; pullets, \$12.95. Leghorns, Australwhites, Minorcas, \$8.95; pullets, \$14.95; Heavy assorted, \$6.95. Leftovers, \$4.85; Fryers, \$3.95. FOB 100% alive COD. Catalog free. Bush Hatchery, Clinton, Mo.

### ● FARM EQUIPMENT

## AMERICAN FENCING

47 in. Heavy Field, roll.....	\$25.45
39 in. Heavy Field, roll.....	23.34
32 in. Heavy Field, roll.....	19.30
39 in. Medium Weight, roll.....	15.12
32 in. Medium Weight, roll.....	11.52
Barb Wire, spool.....	7.90
Galvanized Corrugated Roofing, Sq.....	9.25
10 and 12 Ft., Sq.....	9.45

## Monarch Lumber Company

North Kansas City, Missouri

## Galvanized Corrugated ROOFING

28-gauge prime sheets, cash and carry, \$9.27 sq., 12-ft. 20c extra. American barbwire (spool) \$8.24. MONARCH LUMBER, North Kansas City, Mo.

Gigantic surplus equipment sale. Amazing bargains. Savings to 70%. Farm engines, A-C generators, winches, telephones, air compressors, paint spray outfits, weed spray outfits, water pumps, electric saws-drills, welders, chain saws, battery chargers, binoculars, contour levels, etc. Freight prepaid. Rush card, sale catalog. Burden Sales Company, 877 "O" Street, Lincoln, Nebr.

Do You Know the Advantages of Electric Fencing? Do you know the famous International Electric 106 weed chopper will not short out by weeds? Free information is available by writing International Fencer Co., Inc., 1105 W. Chicago Avenue, Chicago, Ill.

Surplus Sale. 12-foot guy cable-turnbuckle, Cost government, \$1.10. Strengthen gates, buildings, television towers. Ten, \$3.89. Fifty, \$18.47, postpaid. Burden Sales Company, 877-A "O", Lincoln, Nebr.

Wire Winder. Roll and unroll barbed wire with tractor power and speed. Low cost. Free literature. Midwest Wire, Dept. 23, South St. Paul, Minn.

### ● MACHINERY AND PARTS

Post Hole Digger—Belt Driven Rapiddigger—For Ferguson or Ford. Users say finest job all soils. Save labor and time, just \$140. Guaranteed performer. Write for information. Rapiddigger, 4605 Lowell, Lincoln, Nebr.

Garden Tractors \$127.00 New McLean, plowing, tilling, sickle-mowing, lawn mowing. Universal Mfg. Co., 324 West Tenth, Indianapolis 2, Ind.

### ● HELP WANTED

Wanted—Married or Single man for dairy work. Place's Dairy, Emporia, Kan.

### ● BUSINESS OPPORTUNITIES

For Rent—Grocery store. Choice location. Place's Dairy, Emporia, Kan.

### ● PLANTS AND NURSERY STOCK

Strawberry Plants—100 Superfection Everbearing, \$2.40; 100 Dunlap or Robinson, \$1.25. Postpaid. Bonaparte Nursery, Bonaparte, Ia.

6 Tulip Trees, 6 to 12 inches, \$1. Ponzer Nursery, Rolla, Mo.

### ● FLOWERS AND BULBS

African Violets, new price list. Many new varieties. Hirt's Greenhouses, Strongsville, O.

### ● SEEDS

New Sensational Certified Mo. 0-205 Oats for immediate orders and shipment. As low as \$4.75 bushel F.O.B. Boone, Iowa. \$4.85 Streator, Ill. \$4.95 Marion, O. Write today for free samples and prices on all farm seeds. Address all orders and replies to Berry Seed Co., Box 484, Clarinda, Ia.

Certified Missouri 0-205 Oats. The outstanding variety. For information and seed, write Swinger & Alley, Marshall, Mo.

Seeds, Certified Tall and Intermediate Wheat Grass \$60.00, uncultivated \$55.00. Greeley Seed Co., Greeley, Colo.

## POPCORN

High cash price paid for Yellow variety Popcorn.

Advise quantity you have to offer and send sample if possible.

**F. A. Mangelsdorf  
Seed Company**

Box 466 Atchison, Kan.

### ● FILMS AND PRINTS

## 20 DECKLEDGE REPRINTS 50c

6-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete prices.

TINY'S PHOTO SERVICE Topeka, Kan.  
Box 1068-KF

## Photo Christmas Cards

made from your negative, 16 cards and envelopes \$1.00. 100 for \$5.75. If you do not have the negative send your photo and 35c extra. Copy and 10 glossy bills from your photo 55c. 8-exposure rolls developed and printed 25c. Jumbo size 35c. Reprints negative size 3c each.

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 40c. 12-exposure, 55c. 16-exposure, 70c. 36-exposure, \$1.50. Oversize reprints 5c each. Send us your order, you will be delighted. Free mailers. Mailbag Film Service, Box 5440A, Chicago 80, Ill.

Special! 25 Photo Christmas Cards made from your favorite snapshot negative only \$2.00, including envelopes. The Foto Farm, Box 228, Norfolk, Nebr.

12 Jumbos, 25c; 16 Jumbos, 35c; from any size roll or negatives, with this ad. Skrudland I, Lake Geneva, Wisc.

Eight-Exposure Roll printed one of each 25c; two each 35c; one each Jumbo 35c. Star Photo, Denver, Colo.

### ● DOGS

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

English Shepherds—Border Collies, America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed. We breed and sell our own stock. Fairmount Farms, Cedar Falls, Ia.

Large Type Collie Puppies. Registerable, A.K.C. E. Barnes, Collyer, Kan.

### ● OF INTEREST TO WOMEN

Watches Practically Wholesale to wearer direct. Save up to 60 per cent on famous make watches, diamonds, jewelry, silverware, gifts, home need and other merchandise. Free catalog. America's greatest values. Send name and address to Maryland Distributing Company, Dept. C-61, 501 E. Baltimore Street, Baltimore 2, Md.

Mixed Wool Blocks make super-warm 70 by 80 inch quilt-top. Send no money. Pay postman \$2.39 plus mailing charges. Money-back guarantee. Quilt-Block House, Box 54-K, West Dodge Station, Omaha, Nebraska.

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.

Thrilling, Profitable Home Business. Make fast-seller, chenille monkey trees, dolls, flowers. Terrific holiday demand. Information free. Velve, Bohemia 2, N. Y.

Sell Your Hobby Item, your sewing—other hand-mades. No canvassing. Details free. Howell, 1320 St. Andrew, New Orleans 13, La.

Beautiful Dress Trimmings, 50 yards, 60c. Mill-End Shop, Box 502, Phillips, Tex.

### ● FEATHERS WANTED

West Chicago Pays More: Get highest cash prices for your goose and duck feathers. Send sample for prices 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.

New Goose and Duck Feathers. Fifty-two years of fair dealings assure you best outlet for your new feathers. Will quote top prices and send shipping tags on request. Columbia Bedding Company, Dept. KF, 1750 No. Wolcott Avenue, Chicago 22, Ill.

### ● EDUCATIONAL—BOOKS

Learn Auctioneering. America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 19 years in operation. Don't be misled. Term soon. Free catalog. Write REISCH AUCTION SCHOOL, Mason City, Iowa

Learn Auctioneering. Term soon. Write for catalog. Missouri Auction School, 1204 Linwood, Kansas City, Mo.

### ● WANTED TO BUY

Trade Wool or Woolen Rags for batting and blankets. Write for free circulars. Litchfield Woolen Company, Box 561, Litchfield, Minn.

Wanted Electric Light Plants and generators, 110 or 115-220 volts, any make. Write Mr. Conklin, 105 E. Bethune, Detroit, Mich.

Popearn Wanted—100,000 pounds. Will pick up at crib. Ralph Townsend, Box 256, Atchison, Kan. Phone 188.

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

### ● AGENTS AND SALESMEN

We Sell Rain—2" on 16 acres—10 hours—wheels move—over terraces—with chores. Advance Design. 8" (16 gauge and Coupler) aluminum \$1.65. Dealers wanted. Conrad's, Gaylord, Kan.

### ● REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C1106, Kansas City 3, Mo.

### ● FOR THE TABLE

**HONEY** MIXED WILDFLOWER (Dark) 60-lb. Can FOB **\$9.90**

Extracted—Pure as bees can make it. 60-lb. Can Clover, FOB.....\$12.00  
12-lb. Can Clover (Postpaid to 600 mi.)... 3.85  
12-lb. Can Mixed (Postpaid to 600 mi.)... 3.50  
Order Promptly—Supply Limited  
HAHN APIARIES, 1715 Lane St., Topeka, Kan.

Delicious, New Ribbon Cane Syrup. No. 10 Can \$2.00. Sigler, Fullerton, La.

### ● REAL ESTATE FOR SALE

For Florida Property contact J. H. Holben, Realtor, Lake Wales, Fla.

### ● FARMS—MISCELLANEOUS

1,465-Acre Ranch—Two sets of improvements, free bus to grade and high school, some good timber, mail route, milk route, 150 acres hay meadow, watered from wells with mills, carry around 125 cows year around. Price \$35.00 per acre, less than one-half cash, balance long time. J. F. Huggins, Hugo, Colo.

Strout Catalog—Free! Farms, Homes, Auto Courts, Businesses, etc. 3446 bargains described, 31 states. World's largest. 52 years service. Save thru Strout Realty, 20-V West 9th St., Kansas City 6, Mo.

Southeast Arkansas Farms and Ranches for sale. Sessions Realty, Lake Village, Ark.

Improved All Plover, half section farm, \$5,000 will handle. Cahalan's, Miller, S. D.

### ● OF INTEREST TO ALL

Save 20 to 40% on national advertised appliances, housewares, jewelry, watches, toys, gift-wares, etc. Send 15c for complete catalog. Ideal for Christmas shopping. Satisfaction guaranteed. House of Wares, 351 W. 71st St., Chicago 21, Ill.

York 1-Ton, Water-Cooled Freon refrigerator unit with evaporator. Refrigerator door and cork for 8'x8'x7' walk-in box. Price at farm. \$500. One Hansen culture cabinet, \$25. Roxton Dairy, Chanute, Kan., Rt. 2.

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.

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

400-year Calendar, 1753-2152. Chart 21"x28" 75c. Thomas Carruth, Crowley, La.

## November 15 Will Be Our Next Issue

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

**Friday, November 7**

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

## You Can Do No Finer Thing

than make a generous contribution for the treatment of crippled children. The Capper Foundation will appreciate your gift and will see that it helps some worthy child on the way to a normal life.

The Capper Foundation  
for Crippled Children  
Topeka, Kansas

## Here Is Low-Cost Advertising! ONLY 10c A WORD

Kansas Farmer has 118,311 subscribers, and reaches an average of over four out of every five farm homes in the state. It is printed twice each month on the first and third Saturday. The Classified rates are:

Regular Classified—10c a word (12 words Minimum)

Display Classified—\$9.80 a column inch

\$4.90 a half inch

(Black Face Type used in these ads but no cuts)

Mail Your Ad to

**KANSAS FARMER**

912 Kansas Avenue

Topeka, Kansas



## COMPLETE DISPERSAL Saturday, November 15

12:30 P. M. C.S.T.

### C. C. TUCKER & C. A. FREESE HEREFORD FARMS Rocheport, Missouri

Farm is 4 miles northeast of Rocheport, Boone County; Equidistant from Columbia, Booneville and Fayette



#### 82 HEAD

#### Baca Duke's, Larry's and CK's

America's Most Popular Bloodlines—All Sell! 24 Bulls, 58 Females from the outstanding breed builders Larry Domino 50th & Baca R. Domino 33d. CK Coupon 9th, son of CK Creator 31st sells. GLF Larry D 2d sells. Tidy Larryette 1st, twin daughter of MW Domino 38th sells.

You get your pick, only in a complete dispersion! No holdouts... all sell in this forced sale to dissolve a long and profitable partnership, because of illness. This outstanding herd was started 10 years ago with 1 cow and 3 yearling Heifers. Meanwhile, the sales of the offspring have amounted to many thousands of dollars... which proves what anyone can do with good planning and the right breeding that carries on and on! Included are bloodlines of Baca R. Domino 33d, famous \$40,000 Register of Merit bull. Everyone welcome to see these cattle before the sale.

All cattle tested for Tb. and Bang's. — Lunch served on grounds.

For catalog, write:

DONALD J. BOWMAN, Sale Manager, Hamilton, Mo.

Aucts.: Jewett Fulkerson and Don Bowman

Mark Dempsey for this publication



Help Your Herd Building Program by Buying in the Edna Mae Farms

### SHORTHORN DISPERSION SALE

"MIDDLE-OF-THE-ROAD TYPE CATTLE"

SATURDAY, NOVEMBER 15, 1:00 P. M.

At the Farm, 2 1/2 Miles North on Highway 57

CARL JUNCTION, MO.

SELLING 13 BULLS — 34 FEMALES

The weighty influence of such bulls as Dreadnaught Wrangler, Edelyn Baron Command, Strowold Favorite Count, imported Uppermill Lochter and the present herd sire, imported Elvin Duthie, figure prominently in this offering. If you like good Shorthorns with rich, Scotch pedigrees topped by close-up imported breeding, then this sale will appeal to you. Other business interests make it necessary that this entire herd, established since 1918 by the present owner, now be sold in complete dispersion.

13 Bulls—including the 2-year-old imported herd sire, Elvin Duthie, one of the top young imported in dam bulls to be sold this year. He is sired by Crugleton Elvin and out of a dam by Ascorvie Duthie. The senior yearling show bull, EM Favorite Mercury, that has been grand champion bull at the Ozark Empire Stock Show for the past 2 years. He is one of the two sons of the Ozark Empire grand champion, Strowold Favorite Count selling in this sale. Four yearling sons of Uppermill Lochter, sire of the 1949 Illinois State Fair reserve grand champion female, and often referred to as one of the hottest bred bulls in America. One of these young bulls, EM Lochter 4th, was reserve grand champion at Springfield this year. Other young herd bull prospects by Brusally Royal Leader 2nd, Millhills Excellent, Leader's Topper and Parkdale Fame.

34 Females—impressive in individuality and breeding. 12 daughters of Strowold Favorite Count, including EM Roan Lady, champion female at the Ozark Empire Stock Show for two years straight and out of a granddaughter of Edelyn Campeon Mercury, five daughters of Uppermill Lochter, the bull Les Mathers selected in Scotland. His sire is a half brother to Edelyn Royal Leader and imported Norseman. Other females sired by Strowold Favorite Major, Bugler's Champion, Goldfinger Union Jack, Edelyn Baron Command, Sni-A-Bar Bondsman and an outstanding red junior heifer calf by the \$6,000 Crievecheater Beacon. 5 cows with calves at foot, 22 bred cows and heifers close to calving to the services of imported Crugleton Elvin. 7 open heifers, including several real show prospects.

J. L. (JIM) EARLY, Owner, Carl Junction, Mo.

C. D. Swaffar, Auctioneer

Bert Powell with this publication

For the catalog and other information, address  
MERVIN F. AEGERTER, Sale Manager, Seward, Nebr.

### 53 Herefords — 26 Angus — 6 Shorthorns SELL IN THE WESTERN MISSOURI CATTLE BREEDERS' ASSOCIATION SALE At Clinton, Mo. on Tuesday, November 11

Show 9 A. M. — Sale 12 Noon — Community Sales Barn

A Sale of 55 Bulls and 30 Heifers

The sales offering is selected from 100 herds. 23 Hereford and 1 Polled Hereford herd represented—14 Angus Herds—5 Polled Shorthorn herds.

THIS IS THE 14TH SALE—Breeders consigning from Cass, Johnson, Bates, Henry, Benton, Pettis, Vernon, St. Clair and Hickory Counties of Missouri. Note—This is not a highly fitted group of registered cattle. You can secure desirable breeding stock here at a price you can afford to pay.

For sale catalog write to Box 311, Clinton, Mo.

Sale Sponsored by

WESTERN MISSOURI CATTLE BREEDERS' ASSN., Clinton, Mo.

Auctioneer: C. C. McGinnis, Rich Hill, Mo.

Bert Powell with this Publication

#### POLLED SHORTHORNS

2 Top Bull and 2 Extra Nice Females for Sale in the

### Kansas Polled Shorthorn Sale

November 6 at Hutchinson, Kansas

4 Good Bulls, 12 to 15 months old and several top 1952 Bulls and Heifers for sale at farm. Sires that dominate in our breeding are King of Vanities—Diamonds—Greenland Vanities. Farm Location—4 miles south and 2 1/2 east of Langdon, 30 miles southwest of Hutchinson.

JOHN F. REECE, Langdon, Kansas

### BRED EWE SALE

STATE FAIR GROUNDS

### Hutchinson, Kansas

### THE KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION

will hold its 7th Annual Show and Sale

### Monday, November 24, 1952

High quality bred ewes of the Hampshire, Shropshire, Suffolk, Southdown, Dorset and Corriedale breeds, will be offered.

Judging of the Show Ewes at 10:00 A. M. — Sale at 1:00 P. M.

For catalogs address:

KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION

T. Donald Bell, Secretary, Kansas State College, Manhattan, Kan.

### Find New Uses For Corncobs

New markets and new methods for ground corncobs are being developed. Scientists and engineers of the Bureau of Agricultural and Industrial Chemistry's Northern Regional Research Laboratory in Peoria, Ill., with co-operation of equipment manufacturers and operators of the infant cob-processing industry, are finding new uses for cobs.

Two thirds of the cobs used in 1952 will be used in making furfural—oily, straw-colored liquid. It's valuable in defense and other industries for refining vegetable and petroleum oils, and in production of synthetic rubber, nylon, synthetic resins, and medicinals.

Using cobs combined with blackstrap molasses and other nutrients as an economical feed for beef cattle is expanding rapidly, according to the USDA. Cob meal is rapidly replacing corn meal as a mild abrasive in hand soaps, and fine cob flour is used in making insecticides.

Kansas Farmer for February 2, 1952, brought you a story on a new concrete made with cobs as a filler.

### Share the Same

"Two people own some land, each pays half of the taxes, half of the seed used, half the fertilizer, does half of the hoeing, cultivating and harvesting. One owns the machinery, the other pays his half for the use of it. What rent is fair? It seems to me it should be one-half of the crops raised. Am I right or wrong?"—Mrs. C. L. S.

We suggest the 2 parties to a leasing arrangement share in a product in the same proportion as they share in the costs. From your letter it appears both parties are sharing equally in the cost, and as a consequence, the crop should be shared equally. Perhaps there are some circumstances in your particular case which you have not described in your letter. These circumstances may justify some other division of the product other than 50-50. If you are having some difficulty in arriving at an agreement and can provide more information concerning your arrangement, I might be able to give you further help. —Wilfred H. Pine, Kansas State College, Manhattan, Kan.

### Win 4-H Trip

Here are winners in the 4-H promotional activity program in Kansas for 1952: John Brink, Coffey county; Gary Neilan, Cheyenne county; Eula Mae Murrey, McPherson, and Elaine Lunt, Pratt county.

Award was a trip to the Rural Youth conference at Jackson Mill, W. Va., October 2 to 5. Mrs. Hugh Errington, Ruleton, long-time member of state committee on camping and Kansas Committee on 4-H work, and Raymond Fort, assistant state club leader, also attended.

In addition to outstanding project work, winners have excelled in presenting 4-H work to the public. Each has been a blue-ribbon winner in the promotional talk competition at the state 4-H Roundup last spring.

A story on Miss Lunt's 4-H activities appeared in Kansas Farmer for July 19, 1952.

### Set Up New Rodent Program

Manhattan has been chosen as office headquarters for a federally-sponsored rodent and predatory animal control program. James Nelson, Phoenix, Ariz., will head the work.

The program may include insect control with possibility of a poison plant being built at Manhattan. Under direction of the U. S. Fish and Wildlife Service, the program will highlight work on destroying rats, coyotes and prairie dogs. Mr. Nelson will work with the Kansas Farm Bureau, will have space in offices there. A new potent poison—"1080"—will be used in control of coyotes. The proposed poison plant would

### Hill Billy Wedding

For variety in your fall club or community programs, you might like to use our playlet, "The Hill Billy Wedding." Characters: preacher, groom, Ezekiah Pump-handle; bride, Petunia Apple-Blossom; pianist, bride's parents, groom's parents, other members of wedding party. This is easy to prepare as well as lots of fun. Write to Entertainment Editor, Kansas Farmer, Topeka. Price 3c.

be built by the state of Kansas and the federal government if the 1953 Kansas legislature appropriates the money.

### Not Bad, Eh?



Total egg production in Kansas in 1951 was 2,031,000 eggs! That's 169,250 dozen eggs! Total Kansas poultry products are worth \$85,000,000 a year!

Milk produced on Kansas farms in 1951 (2,477,000 pounds or 308,750 gallons) would fill a river 10 miles long, 40 feet wide and 3 feet deep!

### Dairy CATTLE

A. Lewis Oswald  
John C. Oswald

### Rotherwood JERSEYS

Hutchinson, Kansas

### AYRSHIRES

**MOST PROFITABLE COWS**

**4% MILK**

Big Milkers  
Good Grazers

Hardy Rustlers  
Perfect Udders

Write for Booklets and List of  
Breeders near you with Stock for sale  
Ayrshire Breeders' Association  
260 Center St., Brandon, Vt.

**FOR SALE—7 HOLSTEIN COWS**  
Choice of 10 DHIA records, also bull calf from proven sire, granddaughter of Sir Bess Tidy Dam has 603 and 487 fat.  
Lauren Enns, Hillsboro, Kansas

### WISCONSIN DAIRY CATTLE

Choice Holstein, Guernsey and Brown Swiss Calves, Yearlings and Springing Heifers. Delivered to your farm C.O.D.  
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

Choice 2-Year-Old Bred Box Brand

### HEIFERS

Located near Cottonwood Falls, Kan. Write or call

EVAN KOGER, ROBBINS RANCH  
Cottonwood Fall, Kan., Phone 451

### 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



## Dual-Purpose CATTLE

### Milking Shorthorn Sale

Wm. G. Sandman, Harbine, Nebr.  
DISPERSED  
and Wm. Hamm & Wm. Hamm, Jr.  
REDUCTION SALE

November 10, 1952

Fairbury, Nebraska

Fairgrounds, Sale at 1:00 P. M.

Sandman consignment consists of 31 head, 25 females, 6 bull calves. Hamm consignment consists of 10 females and 2 bulls. There will be several 4-H Club prospects offered, also bred cows and heifers.

Joe Hunter and Bill Dixon, fieldmen for Milking Shorthorn Society  
Gus Heidebrecht, Auctioneer

For catalogs write to

W.M. G. SANDMAN, Harbine, Nebr.

### 9th Annual McPHERSON CO. SALE

### Milking Shorthorns

25 FEMALES — 10 BULLS

November 13, 1952

at  
Moundridge, Kansas

4-H Building — 1:00 P. M.

For catalog write

C. O. HEIDEBRECHT, Secretary  
Inman, Kansas

### MILKING SHORTHORNS

My entire herd of 10 high-grade cows, 2 year-old heifers and calves at reasonable prices. Retnuh breeding.

NORMAN JANSSEN, Lyons, Kan.—Ph 108133

### Reg MILKING SHORTHORN BULLS

15 months old—ready for service. Retnuh bloodlines.

VERNON ZIMMERMAN, Inman, Kansas

### Reg. Milking Shorthorn Bull Calves

For sale out of tested, classified dams, also one serviceable-age bull. Can spare a few females.

AL J. WEIS, Dresden, Kan.

### REG. RED POLLED BULLS

Quality Yearlings. Priced reasonable.

WM. WIESE, Haven, Kan.

### Beef CATTLE

### Several Good Rugged SHORTHORN BULLS FOR SALE

Around 18 months of age and ready to go to work. Sired by Roger Robin by Imp. Drynie Roger, or by Prince Max by Killam Max 104.

V. E. DEGER, Lake City, Kan.

### HOGS

FOR SALE

### REG. HAMPSHIRE BOARS

By Valley Ambassador Jr., champion Kansas State Fair, 1951.

ED PACHTA, Belleville, Kansas

FOR SALE: QUALITY

### DUROC BOARS and GILTS

Sired by "Fancy Velvet," "Pioneers Ace" and "Quality Roy 1st."

ARTHUR ROEPKE, Waterville, Kansas

FOR SALE—GOOD REGISTERED

### DUROC BOARS

Sired by Classy Dream, Royal Velvet, National Velvet and The Sultan. Farmers prices.

GEORGE WREATH, Belleville, Kan.

### SHEEP

WATCH FOR OUR

### Reg. Hampshire Sale

In the next issue of Kansas Farmer.

ROY F. GILLMORE, Rt. 3, Peabody, Kansas

• AUCTIONEERS •

### BERT POWELL

AUCTIONEER  
LIVESTOCK AND REAL ESTATE  
1529 Flinn Avenue Topeka, Kan.



### HAROLD TONN

Auctioneer and  
Complete

Sales Service

Write, phone or wire  
Haven, Kansas



### In the Field

MIKE WILSON

TOPEKA, KANSAS

Livestock Editor

TWO KANSAS HERDS of registered Holstein-Friesian dairy cattle recently have been inspected and classified for type by Holstein-Friesian Association of America. A total of 56 head was inspected in herds of Harvey Bechtelheimer, Sabetha, and C. L. E. Edwards, Topeka.

HARVEY BECHTELHEIMER, Sabetha, is owner of Collins Farm Gerben Lass, registered Holstein cow who recently completed a production test with the Holstein-Friesian Association of America. Her record was 126,104 pounds of milk and 4,490 pounds of butterfat on 2 milkings daily, in 8 milking periods, covering 2,572 days.

J. E. KRAUS & SONS, Pretty Prairie, held their dispersal sale of registered Milking Shorthorns at Hutchinson at the state fairgrounds, September 27. There were 38 head of cattle sold in this auction; all 38 stayed in Kansas. Good cattle sold for good prices. Sale as a whole was considered very successful due to condition and age of the offering. Gus Heidebrecht was auctioneer, assisted by Dale Leichter.

ANNUAL KANSAS SHORTHORN AND POLLED SHORTHORN BREEDERS ASSOCIATION SALE, November 6 and 7, at Hutchinson, will feature nearly 150 bulls and females. Those consigned include 35 polled bulls, 32 polled females, 38 horned bulls and 29 horned females. Polled animals will be sold November 6; horned cattle, next day. Animals will be judged in morning, sold in afternoon each day. Dr. Rufus Cox, head of the animal husbandry department at Kansas State College, will judge the event.

GERALD BOEHLE, Lawrence, is owner of Boehle's Queen's Patience, who has completed a production record with the American Guernsey Cattle Club. She won 8th place among the top 10 of the Guernsey breed, producing 13,364 pounds of milk and 806 pounds of butterfat. Average cow in America produces about 5,240 pounds of milk and 208 pounds of butterfat yearly. Patience was a senior 4-year-old when test started, and she was milked 2 times daily for 365 days.

POWHATAN FFA CLASS, under the direction of J. W. Crabtree, held their fall sale of Durocs and Hampshires at Hiawatha, October 16. Forty-one hogs averaged \$42. There were 32 gilts and 9 boars. Larry Schurman, Powhattan, purchased the top-selling boar, for \$80. Billy Lowe, Willis, consigned the top-selling boar. Top-selling female was sold to L. S. Seland, Everest, for \$61. Condition of stock was very good but due to the recent drop in hog prices, demand was only fair.

CK RANCH DAM-CALF SALE was held October 18 at the ranch at Brookville. Forty-six head of Herefords sold for a total of \$43,830 to make a general average of \$953. Twenty-six 1952 bull calves sold off their mothers to average \$1,045, while 20 cows made an average of \$806. Top price paid for bull calves was \$5,000, paid by V. V. Cooke, Prospect, Ky., for Lot 57, CK Clipon 36th. Edg-Cliff Farms, of Potosi, Mo., bought the top cow, Lot CK Carolyn 16th, at \$1,950 and also purchased her bull calf by CK Crusty 19th, at \$3,400. Col. Jewett Fulkerson and Pete Swaffar were auctioneers.

R. C. BEEZLEY, Girard, is owner of Zona Ormsby Papoose, registered Holstein cow which has just completed a lifetime production record of more than 100,000 pounds of milk. In 6 milking periods, covering 2,455 days, she produced a total of 100,713 pounds of milk and 3,855 pounds butterfat on 3 milkings daily. Irene Homestead Papoose Colantha, registered Holstein cow in same herd, has further added to her lifetime record of milk production after previously reaching the 100,000-pound mark. In 6 milking periods, covering 2,444 days, she produced 112,601 pounds milk and 4,248 pounds butterfat on 3 milkings daily.

R. E. BERGSTEN & SONS, Randolph, sold registered Hampshire boars and gilts at their farm October 22. It was a very desirable offering, nicely grown and of most popular bloodlines. This was their 15th sale, but interest in the hog business in Kansas seems to be lacking this fall, and it was not possible for these well-known breeders to get the entire offering sold.

Thirteen boars sold averaged \$75; 16 gilts averaged \$58; 6 off-belt gilts averaged \$50. Top boar was Lot 1, a good son of Model Copy R B, and at the bid of \$125 went to Wallace Johnson, Irving. Second top boar, at \$95, was Lot 2, a littermate to top boar. He was purchased by J. F. Morgan, Lawrence. A son of Special Model sold to Orville Cameron, Wakefield, at \$87.50. Dale Scheel, Emporia, gave \$75 for a son of Sturdy Topic. Gilts topped at \$75 on Lot 12, a daughter of Model Copy; R & S Ranch, Halstead, was buyer. A littermate to the 2 high-selling boars sold for \$67.50 to Wayne Nichols, Hill City. Third high-selling gilt was \$65; 5 gilts sold at \$62.50 each.

This sale offered the best opportunity ever seen at a Bergsten sale to get choice Hampshires at conservative prices. The sale was conducted by Bert Powell, Topeka, assisted by Ed Fritz, Randolph, and press representatives.

# Solomon Valley Hereford Association Show & Sale OSBORNE, KANSAS Tuesday, November 11, 1952

at the Osborne Sale Barn

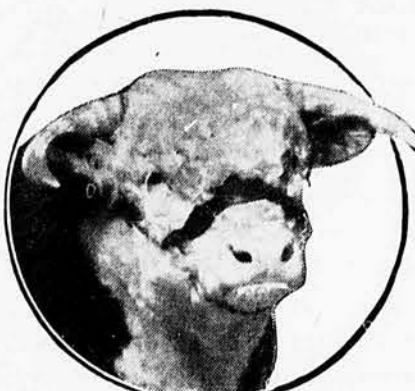
Show at 9:30 A. M.

Sale at 12:30 P. M.

51 HEAD

26 Bulls—25 Females

Most of the bulls are of serviceable age. The females include bred cows, bred heifers and open heifers. The bred cows and bred heifers are carrying the services of several outstanding herd bulls.



### CONSIGNORS:

JAY L. CARSWELL & SONS, Alton  
GENE DEBEY, Cawker City  
G. G. DEBEY, Cawker City  
PAUL HADLEY, Portis  
WALTER HADLEY, Portis  
JANSONIUS BROTHERS, Prairie View  
WALTER JOHNSON, Gaylord  
DWIGHT KASER, Osborne  
BOYD KORB, Burr Oak

LOCKHART HEREFORD FARM, Osborne  
ARMIN MEITLER, Lucas  
J. O. POST & SONS, Codell  
R. D. RODENBECK, Russell  
RICHARD SIGLE, Luray  
STAAB HEREFORD RANCH, Catherine  
REUBEN STEINERT, Russell  
SUTOR HEREFORD FARMS, Zurich  
GLEN C. TOWNE, Osborne

Dale Morton: Judge

Freddie Chandler: Auctioneer

For catalogs, information and hotel reservations write

J. HAROLD CARSWELL, Alton

Sale Manager and President

Mike Wilson for Kansas Farmer

### GOLDEN WILLOW RANCH

## Annual Sale Reg. Polled Herefords

Friday, November 21, 1952

SALE STARTS AT 1 P. M.



Golden Willow Herd Sires:  
CMR Advance Domino 39th  
CMR Mischief Dom. 30th  
Silver D Mischief 19th  
Beau Battle

Selling 55 Lots  
20 Service-age Bulls  
30 Bred Heifers  
5 Open Heifers

PLAN NOW TO ATTEND THIS SALE

To reach Golden Willow Ranch from Pittsburg, Kan.: 12 miles east from Besse Hotel on highway 126. From Joplin, Mo.: 22 miles north of Conner hotel on highway 43.

Be sure and write us for a sale catalog. Just drop a card or letter to

GOLDEN WILLOW RANCH, Route 1, Liberal, Missouri

George E. Harmon, Rt. 1, Liberal, Mo.—Owners—George K. Brinkman, Bx. 185, Pittsburg, Kan.  
Auctioneer—Hamilton James Bert Powell with this Publication

## ANNOUNCING THE FRANK MATHESON-JAKE REICH & SON POLLED & HORNED HEREFORD SALE

Tuesday, November 25, 1952

NATOMA SALE PAVILION

Natoma, Kansas

Selling 60 HEAD—25 Bulls, 35 Females

Also included in this offering there will be top horn calves that will make very good 4-H Club projects.

For information and catalog address

VIC ROTH, Sales Mgr., Bx. 702, Hays, Ks.  
Freddie Chandler, Auct. Mike Wilson for Kansas Farmer



12 Annual

## ARMISTICE DAY SALE Tuesday, November 11

Sale at 1:30 P. M.



### VALLEY VIEW RANCH

3 west and 3 1/4 south of

Haven, Kansas

60 Head of Registered Herefords

10 breeding bulls. Larry Domino and WHR breeding. 4-H and FFA calves. And the usual accommodation. Free delivery on 3 or more lots. Our neighbors O. W. Fishburn & Son will again present part of the offering.

TONN & SON

W. H. Harold

Remember our annual Bred Ewe Sale, November 22—Southdown & Shrops  
Harold Tonn, Auctioneer

## Spence Angus Farms Reduction Sale

Tuesday, November 18, at

WELLS SALE BARN, FREMONT, NEBRASKA

172 head from one of Nebraska's top herds, rich in Bandoller and Sunbeam breeding. 50 well bred Cows with calves. 32 Bred Cows and Heifers. 8 Open Heifers. The females are bred to Prince Sunbeam 304, Ellenmeyer Eric, R. A. S. Prince Bandoller. 12 serviceable-age Bulls, including 3 herd bulls mentioned. There will also be 20 early 1952 Calves, both bulls and heifers. Prince Sunbeam 304 an own son of Black Prince of Sunbeam out of a twin sister to the dam of the \$9,100 heifer in the Chicago Sale. Many of the calves in the sale are sired by this bull.

For catalog write

L. D. SPENCE, Crab Orchard, Nebr., or R. A. SPENCE, Beatrice, Nebr.



ANNUAL  
**POLLED HEREFORD SALE**  
**NOVEMBER 29**  
at the 4E Ranch  
**TOPEKA, KANSAS**



**SELLING 230 LOTS**  
**82 BULLS — 148 FEMALES**

- 30 HEIFER CALVES
- 30 YEARLING HEIFERS
- 40 COWS WITH CALVES
- 46 BRED COWS
- 2 HERD SIRES
- 2 SONS OF BEAU PERFECT 246TH
- 50 FARM AND RANGE BULLS

Between now and November 29, we will breed a few sale females to Real Plato Domino Jr., the world's record price Polled Hereford. The heifer calves selling are mostly by Prince Plato and 4-E Ambassador. 8 of the yearling heifers are by P. Royal Duke 37th, a Campbell bred bull. Several of the females that are already bred carry the service of Captain Plato, another son of Real Plato Domino, the sire of Real Plato Domino Jr.

This sale will also include the dispersion of J. C. Campbell Herd

Write for catalog to

**PHILIP SANDERS, Sale Manager, Miller, Kan.**  
or 4E RANCH, Topeka, Kansas  
Mike Wilson for Kansas Farmer

**SUMNER COUNTY HEREFORD BREEDERS' ASSN.**  
*Third Annual Sale of*  
**HORNED & POLLED HEREFORDS**  
**Mon., Nov. 24, 1952**



**Wellington, Kansas**

at the Municipal Auditorium  
Sale at 12:30 P. M.

**68 Head Sell**

43 Bulls, 23 Females, of which 3 will be sold to only 4-H or FFA members.  
2 4-H Club Steers.

**CONSIGNORS**

SIDNEY TOLES, Caldwell  
C. A. CREWS, Argonia  
EDD ALBERT, South Haven  
GERALD HUNT, Wellington  
L. G. HAGGARD, Wellington  
LEN LARSON, Milan  
CARL DOWNING, Belle Plaine  
HERMAN LARSON, Milan  
DAVID A. HOLLAND, Argonia  
JOHN L. HOLLAND, Freeport  
MEDANIAL BROS., Danville  
A. R. ROHRER, Corbin  
HOWARD LOWE, Caldwell

L. G. MORTIMER, Milan  
CHARLEY VELOVKA, Jr., Caldwell  
M. V. MCINNIS, Gonda Springs  
REN HAGGARD, Wellington  
RAY RUSK & SON, Wellington  
3-H FARMS, Belle Plaine  
RALPH TRACY, Argonia  
JIM GIFFORD, Belle Plaine  
A. R. OGLESBY, Wellington  
BRYAN PACKARD, Wellington  
J. W. ZIMMERMAN, South Haven  
PAUL M. & XANA PHILLIPPI, Argonia

For catalogs and information write  
**PAUL M. PHILLIPPI, Secretary-Treasurer, Argonia, Kansas**  
Freddie Chandler, Auctioneer  
Mike Wilson for Kansas Farmer

ANNOUNCING  
**SUNFLOWER HEREFORD FUTURITY**  
**November 18-19 — Hutchinson, Kansas**  
at the State Fairgrounds



**November 18**  
**All Kansas Hereford Show**  
Over 100 head of Kansas' finest.  
Judge: H. A. FITZHUGH, San Antonio, Texas

**November 19**  
**Sale will start at 12 noon.**

Parade of sale cattle at 10:00 A. M.  
33 Bulls and 27 Females Sell  
the very top of 30 great Kansas herds.

These cattle have been selected by a nationally known cattle judge. We stand on our cattle's record.

Write for catalog

**THE KANSAS HEREFORD ASSOCIATION**  
TOM SULLIVANT, Secretary-Manager, Fairgrounds, Hutchinson, Kansas (Phone 90)  
Mike Wilson for Kansas Farmer

**ANNUAL KANSAS ABERDEEN-ANGUS STOCKER FEEDER SHOW AND SALE** held at Salina, October 7, was well attended. Nearly 3,000 head of feeder calves and 4-H Club calves passed thru the auction at a rapid pace. All prices were substantially below a year ago. Top club calf was consigned by Sasnak Angus Farms, Salina, and sold to Thomas Wilson, Muscotah, for 56c per pound to bring top price for 4-H calves. Roy McCormick, Bavaria, purchased top 20 steers, at \$35.50 per hundred and weighing 430 pounds. Many of the earlots of calves sold from \$27.50 to \$31 per hundredweight. Buyers were on hand from Kansas, Iowa, Illinois, Nebraska and Arizona. Heifer calves sold in groups up to \$31.75, with 470 pounders bringing that figure.

It was a good day for the buyers that were on hand to attend the **BLISS-FLINN HEREFORD SALE** at Garden City, Mo., October 7, as 103 lots of well-bred Herefords went thru the ring to make an average of \$234. Eight bulls averaged \$230 and 95 females, \$235. Top bull was Lot 1, B F Helmsman 9th, a March 2, 1950, calf sired by W H R Helmsman 133 D and was purchased by Vincent Kauffman, Garden City, Mo., for \$410. For females, top was made on Lot 85, selling for \$630 to Rollo Jones, Calhoun, Mo.—B F, Starette 18th, a bred heifer carrying the services of CA Larry Domino 32d and was sired by B F True Onward 20th and out of a W H R Emblem 4th dam.

Sale was conducted by Col. Jewett Fulkerson and W. H. Heldenbrand, assisted by members of the livestock press.

**THESE REGISTERED HOLSTEIN-FRIESIAN** cows recently completed production records with the Holstein-Friesian Association of America: Collin-Menold Gypsy Mollie—owned by Harvey Bechtelheimer, Sabetha—500 pounds butterfat, 14,303 pounds milk, 351 days, 2 milkings daily.

Curtiss Candy Jolly Lassie—Leo H. Hostetler, Harper—592 pounds butterfat, 16,647 pounds milk, 365 days, 2 milkings; Fobes Bald Rachel, 587 pounds butterfat, 15,843 pounds milk, 365 days, 2 milkings.

Posch Ormsby Bess Tidy—E. A. Dawdy, Salina—766 pounds butterfat, 18,737 pounds 4.1% milk, 365 days, 3 milkings.

Quinn Lynn Reburke Doll—Floyd Jantz, Canton—551 pounds butterfat, 14,795 pounds milk, 365 days, 2 milkings.

Friday, October 17, was date chosen by the **KANSAS AYRSHIRE BREEDERS** for their production sale, at the state fairgrounds in Hutchinson. Sixty-two Ayrshires were sold for a total of \$16,745. Eleven cows averaged \$358. Twenty-seven bred heifers averaged \$332. Seven yearling heifers averaged \$187. Eleven heifer calves sold for \$150 each and 5 bull calves averaged \$166. Top-selling male was an aged bull, consigned by W. S. Watson, Hutchinson. He was sold to H. H. Brown, Big Bow, Nebr., for \$540. Top female, a bred heifer, was purchased by Clarence Beat, Turk-Ayr Farm, Wellington, for \$860. W. S. Watson also consigned this animal. Quality of Ayrshires offered in this auction was termed excellent by buyers. Col. Mike Wilson sold the offering.

**EARL MARTIN & SON, DeKalb, Mo.,** sold a nice offering of Durocs at the purebred livestock sales pavilion in South St. Joseph, October 13. Top on boars and gilts was satisfactory, the way our hog sales have been going this year. There was too wide a spread between good useful Durocs offered and tops in this auction. Boars topped at \$207.50, on Lot 1, sired by the 49er out of a dam by Progress. Buyer was I. D. Russell, Osceola, Mo. Second top on boars was \$97.50; buyer was E. Shoenbrook, Horton. John W. Lehman, Wathena, gave \$85 for 3rd high-selling boar. John Thompson, Lake City, Ia., paid \$122.50 for one of the 2 high-selling gilts. Second gilt sold brought \$122.50; went to Harlan Harper, of Iowa, on order. Strowold Farm, Bowling Green, Mo., gave \$77.50 for a gilt. Bert Powell was auctioneer.

**LONGVIEW FARM HEREFORD SALE**, at Lee's Summit, Mo., October 6, averaged \$357 on 71 lots; 12 bulls averaged \$459; 59 females, \$336. Doyle Moore, Pickering, paid \$1,000 for high-selling bull. This bull was Lot 1, WOC Jayhawk D 96th. A total of \$750 was paid by Jim Frankline, Slater, Mo., for Lot 3, LVF Duke 56th; Henry Fiken gave \$500 for Lot 2, a son of LVF Helmsman 16th. The Layman-Purdy Hereford Farm, Butler, Mo., gave \$1,000 for high-selling female: Lot 57, and sired by LVF Plainsman. She sold with a heifer calf at foot by LVF Blocky Domino 3d. This female was bred to AH Chief Larry 1st. Lee Fahey, Lee's Summit, Mo., gave \$750 for 2nd high-selling female; she had a heifer calf at foot. Edg-Cliff Farm, Potosi, Mo., bought 3rd high-selling female, at \$700. This October 2-year-old was bred to LVG Blocky Prince 6th. Jewett Fulkerson was auctioneer, assisted by press representatives.

A good crowd was on hand for the **W. H. HARGIS Polled Hereford Dispersion** sale held at the farm at Belton, Mo., October 8. Eighty-eight lots brought \$46,750 with 11 bulls averaging \$763, and 88 females, \$531. Top bull was the herd bull Lot 1, CMR Adv. Domino 128th, a May 8, 1949, calf sired by Circle M. Advance Domino and out of a CMR Rollo Domino dam. He was purchased by Max Arrowsmith, Ames, Ia., for \$3,450. For females, top was Lot 21, a bred heifer. She was Aywon Avanol sired by GMR Advanrol and sold bred to G.M.R. Advanrol. Buyer was Moody Stock Farm, Lee's Summit, Mo., at \$1,825. Second top female was a bred cow, Lot 35, H F Miss Marvel Domino 1st. She was an August 6, 1949, calf sired by Beau Domino 21st and was bred to C M R Adv. Domino 128th. Buyer was Max Arrowsmith, Ames, Ia., at \$1,685.

Auctioneers were Col. Jewett Fulkerson and Ray Sims, assisted by members of the livestock press.

Forty-nine lots of registered Holsteins were sold in the **MISSOURI HOLSTEIN BREEDERS SALE**, at Lee's Summit, Mo., October 24, for an average of \$564. This average was higher than 1951 average. Offering was best ever sold by this association. One "Excellent" and a number of "Very Good" cows were sold. Offering was good all the way thru sale and last animal to sell went for \$505. High-selling individual was Lot 6, a 6-year-old cow classified "Excellent" and sold for \$1,600 to Adams Dairy Farm, Blue Springs, Mo. She was consigned by Schuchart Farms, Inc., Morehouse, Mo. High-selling Lot No. 1; consigned by Clyde Hill Farm of Clyde, Mo. This 5-year-old cow sold for \$1,150 and her heifer calf dropped the night before the sale sold for \$495. This lot sold for \$1,645. Two bulls were sold; top bull was a yearling bull from the Clyde Hill Farms, selling for \$535. Open heifers sold higher in this auction than in most sales this fall. A group of 4

heifers, from 12 to 17 months, sired by and owned by Schottloff dairy farm, Girardeau sold for \$350 each to one buyer of twin heifers 12 months old sold for each to one buyer, they were from the Scott Meyer, Hannibal. A good crowd came from several states. T. A. Bergeson, Gray was sales manager. T. Hobart McVay, son, read pedigrees. Bert Powell conducted sale, assisted by Harry Hartvigsen, Lee's Summit; Elwood Lentz, Lee's Summit; Tony Tilton, Springfield; Russ Feeback, Belton.

**DAIRY FIELD DAY AT GOLDEN FARM**, Clay Center, was held October 8, sponsored by Kansas Guernsey Breeders' Association in co-operation with Kansas State Dairy and Extension departments.

**Dexter M. Weir and Son** put the on display for study; animals with defect, selected from their registered Guernsey Dr. F. C. Eldridge and Ralph Bonewitz put out defects and compared them with a perfect animal. A talk on scoring a cow for was given by Tim Main, American Guernsey Club fieldman. A contest on judging of was held; one class was judged on udders of another on feet and legs, one on dairy character. Eldridge talked on heredity in dairy cattle. An afternoon judging contest was held; prizes for 5 highest scorers in adult and divisions offered by Kansas Breeders' Association.

About 300 persons attended the event. Carnahan was master of ceremonies, kept program moving at a lively pace.

**KANSAS DUROC BREEDERS** sold a offering of spring boars and spring gilts Kansas Free Fair grounds at Topeka, October 10. Like so many of the hog sales held late in September and early in October, attendance was small and buyers did not seem inclined to prices that were in keeping with the good quality and good breeding offered. Seventeen boars averaged \$77.35; 22 gilts averaged about \$80. The 39 head selling all went to Kansas buyer High-selling boar, at \$157.50, was consigned to Vern V. Albrecht, Smith Center; was purchased by Dean Bell, Lebanon, Ralph Schulte, Little River, had high-selling gilt, at \$100. Sam Robbins, Cimarron, was buyer. A show was held morning of sale with Leonard Stoehr, Plattsmouth, Nebr., as judge. It was an ideal fall day condition of the registered Durocs sold was good but bidding was conservative. Those attending the sale had a real opportunity to select popular bred Durocs from leading herds of Kansas at reasonable prices. John O. Miller, agricultural department of Topeka Chamber of Commerce, at Dean Bell, Lebanon, secretary of the State Association, had charge of the show. Bert Powell was auctioneer, assisted by Don Washburn, United Duroc Record Association.

**NORTH CENTRAL KANSAS SHORTHORN BREEDERS 19TH SALE** was held at the H. Shearer sales pavilion at Beloit, October 23. Show was held morning of sale with W. Thorne, Lancaster, as judge. In this show Moritz, Tipton, had grand champion bull in Lot 27 which was sired by Mercury Max and sold for \$465 to Chris Wilt, Ruleton. Reserve champion bull was Lot 2, sired by Sni-A-Bar Camp Mercury, owned by Emerson S. Good, Barnard, and sold for \$460 to Joe Kaul, Barnard. Champion and reserve champion females were from the herd of Julius Olson, Leonardville. Champion was Lot 47, a bred heifer sired by Supreme Prince and sold for \$400 to Daryl Esslinger, Virgil. Lot 55 was reserve champion female, an open heifer and sired by Leveledale Caliph, sold for \$260 to Leo Morrill, Fortis. Lot 38, a 5-year-old cow with small bull calf at side, was top in cow and calf group. She was consigned by Leo Schmitz, Maryville, and sold for \$315 to Grant Kelly, Cuba. High-selling bull was Lot 4, a son of Strowold Favorite Stamp. This red coming 2-year-old bull sold for \$615 to E. H. Ruthe & Son, Bloomington. Lot 4 was bred and consigned by F. A. Dietz, Wakeeney. H. D. Atkinson, Almena, received \$450 for their yearling son of Goldfinder Goods from Carl Hedstrom, Wallace. Thirty-three bulls selling averaged \$266 with first 10 bulls going thru the ring for an average of \$374.50; 20 females averaged \$227. Only one out-state buyer bought in this sale—Wareen Roe, Superior, Nebr.; he bought 4 females. Fifty-three head averaged \$251. Weather conditions were most unfavorable for a strong cattle market at the time of this sale.

All officers were elected at a supper and business meeting, evening before the sale. Bert Powell sold the offering, assisted by H. H. Shearer, Carson, Hanson, and press representatives.

**THE TRI-STATE BROWN SWISS SALE**, held at Kansas Free Fair Grounds, at Topeka, October 15, indicated Kansas buyers had faith in the big Brown cow. They bought all but 6 head of the 40 lots selling that day; 5 head went to Nebraska and 1 head to Missouri. First 10 head to sell averaged \$474.50. First 20 head to sell averaged \$420. Prices ruled lower on remaining 20 head as there were more heifers sold in the last 20 head to go thru the ring. This year's sales offering had more young Swiss than in former sales. This year, with an acute feed shortage, it was evident buyers wanted something in production or would be fresh soon, if they were going to pay higher prices in the auction.

Top of sale was Lot 1, a 1949 cow with heifer calf a few days old. This daughter of Judge Bridge Zenith sold for \$500 to John Farmer Jr., Viola, and he was one of the heavy buyers of the sale. Heifer calf, at \$210, was purchased by Earl Weber, Arlington. This made the pair sell for \$710 which made them high-selling lot in sale. Consignor was Dr. A. W. Anderson, Melody Grove Farm, West Point, Nebr. Ross W. Zimmerman, Abbyville, had high-selling lot consigned by a Kansas breeder and second high of the sale. His 2-year-old heifer, Lot 46, was just a fresh with small bull calf at side. She was a daughter of Bradenhurst Tex-Cen Toussaint; she sold for \$575 to L. W. Dillman, Emporia. Bull calf sold for \$100 to E. K. Dux, Powell, Nebr. G. E. Martin, Princeton, had second high-selling cow, at \$560. She was Lot 35, a 5-year-old and a daughter of Roseland Ace M. K. Buyer was John Farmer Jr., Viola. Her bull calf sold for \$75 to Mr. and Mrs. J. G. Coffey, Holton. The Coffeys bought several head. Top bull was Lot 44, a 2-year-old son of Bradenhurst Diamond Dan, consigned by F. M. Weber, Kingman. This bull was junior and grand champion of the 1952 Kansas State Fair. He sold for \$575 to Elmer Cogswell, Manhattan.

Continued dry weather had its effect on the sale. Bidding was slow and buyers were not as enthusiastic as they have been in former sales. Auctioneer was Bert Powell assisted by Charles Cole, Wellington, Glen McCormick, Cedar, and Mike Wilson, Kansas Farmer, Norman Magnusson, Lake Mills, Wisc., read pedigrees.



**Beef CATTLE****HEREFORD BREEDERS  
JOINT SALE**

**December 4  
At Fall River, Kansas**

Sale held at Crestview Ranch west of town  
on U. S. Highway 96

70 HEAD—59 LOTS

Selling 5 Senior Yearling Heifers, 11 Cows  
with bull calves, 4 Junior Heifer Calves,  
1 Jr. Yearling Herd Bull prospect, 11 Senior  
Bull Calves. Watch November 15 Kansas  
Farmer for particulars.

Write for catalog to

**BROWN BROS. or CRESTVIEW RANCH**  
Fall River, Kansas

**REG. HEREFORD BULLS**

10 to 18 months old. Sired by: OJR Jupiter Star  
12th, Domino Lad KTO 111th and F. Elation 22.  
Top range and herd bull prospects.

**WAITE BROS., Winfield, Kansas**

**Reg. Hereford Bulls**

8 to 20 months old. Sired by Mathews Tone.  
Polled bulls sired by J. S. S. Perfect Domino.  
High quality. Low prices.

**GOEMANN BROS., Sharon, Kan.**

**POLLED HEREFORDS**

**FOR SALE**  
Yearling bulls ready for service,  
bull calves, heifer calves, and  
several bred heifers. All are sired  
by Advanced Choice 16th and  
Advance Domino 8th. Priced  
reasonably. Write for catalog to  
**MARTIN I. SHIELDS & SONS**  
Lincolnville, Kansas  
Rt. 1, near highways 77 and 50N



**FOR SALE**  
**POLLED HEREFORD**  
bulls and heifers from 8 to 16  
months old, also 10 cows with  
calves and heavy springers.  
These cows are the same  
breeding as the 1950 and 1951  
champion bulls at the State Fair. We will  
sell one or all.  
**GEORGE L. RIFFEL & SON**  
Hope, Kansas — Phone: Woodbine 1404

**FOR SALE****Reg. Polled Hereford**

**BULLS AND HEIFERS**  
Ages 6-15 months old—sired by ALF Beau  
Rollo 47th and Paul's Real Mischief 2nd.  
**GRAND VIEW STOCK FARM**  
"Polled Herefords Since 1908"  
**O. J. Shields, Lost Springs, Marion Co., Kan.**

**FEW GOOD**

**POLLED HEREFORD BULLS**  
Serviceable ages, good bloodlines, good type and  
good polled heads. Sired by "PVF Advance  
North 2nd."

Inquire of

**LESTER KOLTERMAN, Onaga, Kan.**

Registered

**POLLED HEREFORDS**

Bulls and heifers 8 to 18 months old.  
**HARRY RIFFEL & SON, Hope, Kan.**

**POLLED SHORTHORN BULLS**

We offer 15 good colored, deeply polled, beef  
type bulls.

They are the product of our 40 years of con-  
structive breeding of Polled Shorthorn cattle.  
Individuals from this herd have won many  
championship honors. We sell 4 top animals  
in the State Sale at Hutchinson, on Nov. 6.

**THE MILLER STOCK FARMS**  
Mahaska, Kansas

**Reg. Polled Shorthorns**

Mill Brook Royal Leader X, 1 year old, son of  
Mill Brook Royal Oak X. Also some younger  
calves. Several past yearling Shorthorn heifers.  
**KARL LENHART & SONS, Clay Center, Kan.**

**See Us at the Kansas State  
POLLED SHORTHORN  
SALE**

**in Hutchinson  
November 6**



Our consignment consists  
of 3 head, sired by a son  
of Lord Gloster. One sum-  
mer yearling roan bull.  
One junior yearling red heifer, mated in July  
to my herd sire Bonanza, grandson of Lynn-  
wood Nugget. And a senior roan heifer  
calf, selling open. Would be glad to have  
you call at our stalls and inspect our offering  
before the sale.  
**H. E. Eshelman, Sedgwick, Kan.**

**POLLED SHORTHORNS**

Established—1907

Banbury over 150 in herd. Cherry  
Hill—Oakwood—Coronet blood. None  
better. For sale: One choice young  
sire, Club calves, bulls and females.  
Some of all ages. Including the show  
herd. No public sale. Prices reduced.  
You can save \$25 to \$100.

**BANBURY & SONS**

Plevna, Kansas

9 miles southwest of Hutchinson,  
then west 14 miles on blacktop.

**Public Sales of Livestock****Aberdeen-Angus Cattle**

November 18—Spence Angus Reduction Sale,  
Freemont, Nebr.  
December 8—Annual Commercial and Purebred  
Sale, Dodge City, Kan. Chester I. Bare, Sale  
Manager, Protection, Kan.  
February 1, 1953—Chisholm Trail Angus Breed-  
ers' Association, Caldwell, Kan.  
March 30, 1953—Kansas Special Registered Aber-  
deen-Angus Sale, Ericson, Thorman & Davis,  
Hutchinson, Kan.  
April 9, 1953—Mid-Kansas Aberdeen-Angus As-  
sociation, Hutchinson, Kan. Phil Sterling,  
Secretary, Canton, Kan.

**Guernsey Cattle**

November 6—Pre-Eminent Farms, Gallatin, Mo.  
Missouri Guernsey Breeders' Association,  
Sale Managers, 409 Exchange National Bank  
Bldg., Columbia, Mo.

**Hereford Cattle**

November 1—4-K Sale, Hutchinson, Kan.  
November 5—Salina Registered Cow and Calf  
Sale, Gene Sundgren, Sale Manager, Salina.  
November 6—Lincoln County, Sylvan Grove,  
Kan.  
November 7—Cowley County Hereford Breeders'  
Association Sale, Arkansas City, Kan.  
Charles H. Cloud, Sale Manager, Winfield,  
Kan.  
November 11—Tonn & Fishburn, Haven, Kan.  
November 11—Solomon Valley Hereford Sale,  
Osborne, Kan.  
November 12—Salina Reg. Hereford Bull Sale,  
Gene Sundgren, Sale Manager, Salina.  
November 15—C. C. Tucker & C. A. Freese,  
Rocheport, Mo. Donald J. Bowman, Sales  
Manager, Hamilton, Mo.  
November 18 and 19—Sunflower Futurity, Hutch-  
inson, Kan.  
November 21—Golden Willow Polled Hereford  
Sale, Pittsburg, Kan.  
November 24—Summer County Hereford Breed-  
ers' Association Sale, Wellington, Kan. Paul  
M. Philippi, Secretary-Treasurer, Argonia,  
Kan.  
November 25—Frank Matheson, Natoma, Kan.,  
and Jake Reich & Son, Paradise, Kan. Sale  
at Natoma.  
December 2—All-Tredway 9th Sale, Oakley, Kan.  
December 2—Salina Bull Sale, Salina, Kan.  
December 2—Salina Reg. Hereford Bull Sale,  
December 4—Streeter Funk, Fall River, Kan.  
Gene Sundgren, Sale Manager, Salina.  
December 5—South Central Kansas Hereford  
Association, Newton, Kan. Phil H. Adrain,  
Sale Manager, Moundridge, Kan.  
December 6—A. R. Schlickau & Sons, Haven,  
Kan.  
December 10—B-K Herefords, Longford, Kan.  
Sale at Minneapolis, Kan.  
December 17—Rowland Boddy Hereford Dis-  
persion, Norton, Kan.  
February 2—Kaw Valley Association Sale, Man-  
hattan, Kan.  
February 5—Olivier Bros., Harper, Kan.  
February 7—1953—Dickinson County Hereford  
Association, Abilene, Kan.  
February 9—Kansas Range Bull Sale, Dodge  
City, Kan.  
February 13—HG Hereford Farms, Colby, Kan.  
February 16—Solomon Valley, Osborne, Kan.  
February 21—CK Ranch, Brookville, Kan.  
February 27—Sam Gibbs, Clay Center, Kan.

**Polled Hereford Cattle**

November 1—E. R. Roehl Ranch, Moore, Mont.  
Mrs. E. R. Roehl, Lewiston, Mont.  
November 14—Mid-West Polled Hereford Asso-  
ciation Show & Sale, Deshler, Nebr. Fred  
C. Duey, Manager, Chester, Nebr.  
November 21—Golden Willow Ranch, Liberal,  
Mo.  
November 22—Jesse Riffel & Sons, Enterprise,  
Kan.  
November 22—Jesse Riffel & Sons and Elmer  
Riffel & Son Dispersion, Enterprise, Kan.  
November 29—J. E. Ranch, Topeka, Kan.  
December 1—Kansas Polled Hereford Asso-  
ciation, Hutchinson, Kan.  
February 23—Central Kansas Polled Herefords,  
Herington, Kan.

**Holstein Cattle**

December 9—Lloyd C. Bacon High Grade Dis-  
persion Sale, Cameron, Mo. Donald J. Bow-  
man, Sales Manager, Hamilton, Mo.

**Shorthorn Cattle**

November 6—State Polled Shorthorn Sale, Hutch-  
inson, Kan.  
November 7—State Shorthorn Sale, Hutchinson,  
Kan.  
November 15—Edna Mae Farms, Carl Junction,  
Mo. Mervin F. Aegerter, Sales Manager,  
Seward, Nebr.

**Milking Shorthorn Cattle**

November 10—Sandman & Hamm, Harbine,  
Nebr. Sale at Fairbury, Nebr.  
November 13—McPherson County Milking Short-  
horn Breeders' Association Sale, C. O. Heid-  
brecht, Sale Manager, Inman.

**Angus, Hereford, Shorthorn Cattle**

November 11—Western Missouri Breeders' As-  
sociation, Clinton, Mo. J. Robert Hall, Sec-  
retary.

**Duroc Hogs**

February 7, 1953—Vern V. Albrecht, Smith Cen-  
ter, Kan.

**Sheep**

November 17—North American Suffolk Bred Sale,  
Oskaloosa, Ia.  
November 22—Harold Tonn, Haven, Kan.  
November 28—Roy F. Gilmore, Peabody, Kan.  
Sale at Hutchinson.

**Hampshire Sheep**

November 29—Smithcroft Farms, Cedar Vale,  
Kan. Sale at Winfield.

**TREND OF THE MARKETS**

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

	Week Ago	Month Ago	Year Ago
Fed Steers .....	\$36.50	\$35.00	\$37.00
Hogs .....	18.90	21.00	19.60
Lambs .....	23.00	24.50	31.25
Hens, 4 to 5 lbs. ....	.21	.22	.23
Eggs, Standards .....	.43	.44	.50
Butterfat, No. 1 .....	.65	.67	.68
Wheat, No. 2, Hard ...	2.56	2.50 1/2	2.48 1/2
Corn, No. 2, Yellow ...	1.66	1.75 1/2	1.79 1/2
Oats, No. 2, White ...	.98 1/4	.94	1.07
Barley, No. 2 .....	1.53	1.53	1.44
Alfalfa, No. 1 .....	45.00	—	44.00
Prairie, No. 1 .....	30.00	—	23.00

**Grapes in California**

California is the chief grape-produc-  
ing state. Nearly 3 million tons of  
grapes are produced annually in that  
state and it provides nine-tenths of all  
the wine, raisins and table grapes sold  
in America.

**ELMER RIFFEL DISPERSION**

**JESSE RIFFEL & SONS**

**PRODUCTION SALES  
November 22, 1952**

THIS GROUP OF HEIFERS SELLING

**PVF Advance Plato 2nd, Jr. Herd Bull, he is sired  
by the top bull in our 1949 sale.**

A portion of the sale heifers carry his service.

Several carry the service of Modest C. Lamplighter 9th and  
6 carry the service of Mischief A Return

Many of the cattle selling are sisters and brothers to PVF Advance  
Plato 2nd.

**There will be 100 Lots**

Many of the cows rebred with calves at foot.

There will be 20 calves selling with their dams, they are sired by  
PVF Advance, Beau Lamplighter and PVF Advancemore 9th,  
top-selling bull in our 1951 sale.

Sale to be held jointly at

**PLAIN VIEW FARMS**

5 1/2 miles south of Enterprise, Kansas

**Jewett Fulkerson**

**Mike Wilson for Kansas Farmer**

**MIDWEST POLLED HEREFORD  
ASSN. ANNUAL FALL SALE**

**Deshler, Nebr.  
Nov. 14, 1952**

**60 HEAD  
38 Bulls, 22 Females**



Cattle will be judged in the morning preceding the sale, John  
Trenfield, of Texas, will judge. Sale at 1:00 p. m. Banquet in  
Deshler the evening of November 13th.

**This offering is carefully selected from leading  
Polled herds in the Midwest.**

**CONSIGNORS:**

Robert Rizek, Belleville, Kan.  
Erich H. Tegmeier, Burchard, Nebr.  
Harold Cox, Guide Rock, Nebr.  
S. E. Trenchard & Son,  
Guide Rock, Nebr.  
Wm. F. Kuhlman, Guide Rock, Nebr.  
Rudolph Hoops, Byron, Nebr.  
Warner Bros., Nebraska City, Nebr.  
Leo Ebel, Wamego, Kan.  
John C. Sell, Chester, Nebr.  
L. C. & E. M. Fattig,  
Cambridge, Nebr.  
Fred Sukovaty, Plymouth, Nebr.

Kenneth Kuhlmann,  
North Plate, Nebr.  
L. H. & W. C. Kuhlmann,  
Chester, Nebr.  
Hajak Bros., Odell, Nebr.  
R. E. Psota, North Loup, Nebr.  
Alfred Fattig, Cambridge, Nebr.  
Ed Valek, Wayne, Kan.  
W. Lin Doty, Burchard, Nebr.  
Nenno Claassen, Beatrice, Nebr.  
Alvin H. Meyer, Chester, Nebr.  
J. C. Shane & Son, Node, Wyo.  
Les Robinson & Son, Kearney, Nebr.  
D. R. Goodger, Belleville, Kan.

For catalogs, banquet and hotel reservations write

**FRED C. DUEY, Chester, Nebraska**

**Charles Corkle, Auctioneer**

**Mike Wilson for Kansas Farmer**

**NOW OFFERING YOUNG  
ABERDEEN-ANGUS BULLS**

Also Cows and Heifers  
**CHESTNUT & RAILSBACK, Quinter, Kansas**

**DOUBLE STD. POLLED HEREFORDS**  
1 Herd Sire, grandson of M P Domino 3rd: 3 Cows  
and 3 Heifer calves, ready to wean. 1 16-months-  
old Bull, good individual.  
**Glenn J. Biberstein & Son, Ph. 3708, Attica, Kan.**





# THE TANK TRUCK



Left—Alfalfa is only one of six different crops Wallace Tvedt raises on his Red River Valley farm.

Right—Mr. Tvedt is very outspoken in his praise for the way Conoco Super Motor Oil helps engines start at extremely low temperatures.



## Remember the Red River Valley!

EVERYBODY IN AMERICA knows about the cowboy who asked his girl to "Remember the Red River Valley". The story is one of the most popular of our folk ballads.

But did you know that there really is a Red River Valley in North Dakota? This is a story about it . . . the story of one of its present-day residents.

Wallace Tvedt lives in the Valley—near Argusville, North Dakota. He raises cattle, but he's certainly no ordinary cowboy. In addition to cattle and hogs, Mr. Tvedt raises wheat, flax, barley, oats, alfalfa, and

corn on his 925 acres of "Red River Valley Gumbo".

To take care of all this *land*, Mr. Tvedt uses three tractors, two trucks, a combine, and a car.

And to take care of all this *equipment*, Mr. Tvedt uses Conoco Products.

"Yes, I've used Conoco Products exclusively for 11 years," he says. "I'm convinced that using Conoco Super Motor Oil and Conoco HD Oil has kept my maintenance costs at a minimum."

"Our busy, short growing season places heavy demands on equipment. The extremely cold weather in which some of it is operated, has proved the ability of Conoco motor oils to protect engines that have to be started at below-zero temperatures. My very satis-

factory experience with Conoco Products has caused me to recommend them heartily to my friends."

Folks, remember this Red River Valley man's words. Conoco Super Motor Oil can help protect engines in winter . . . and at all other times, too. Why not let Conoco Super and the other Conoco Products help keep your maintenance costs at a minimum. Call Your Conoco Man, today!

### Mincemeat Cake



... by Mrs. Amanda Osborne  
R. 2, Danville, Indiana

$\frac{1}{2}$  cup butter, melted 1 cup raisins  
1 cup white sugar 1 lb. mincemeat  
2 cups sifted flour 1 cup chopped walnuts  
 $\frac{1}{2}$  t. salt 2 beaten egg yolks  
 $\frac{1}{2}$  t. soda 1 t. vanilla  
 $1\frac{1}{2}$  t. baking powder 2 egg whites

Cream butter, sugar and vanilla. Add flour, salt, soda, baking powder and mix well. Add raisins, mincemeat and chopped walnuts. Then add beaten egg yolks. Fold in egg whites which have been beaten stiff but not dry. Bake in moderate oven (350°) for one hour.

### SHEARS FOR RECIPES!

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.

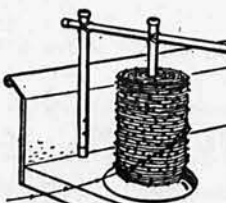
### Why a "Heavy Duty" Oil?

When your tractor is plowing or doing other heavy duty work, the engine operates at very high temperatures, and gummy resins are formed. So you need the "cleaning" action of a "heavy duty", detergent oil to keep the resins from being deposited as lacquer on rings and pistons. On the other hand, even when your tractor is doing light work like powering a hammer mill, you still need a heavy duty oil. And here's why: Because your engine is running cool, moisture condenses and, because fuel is not completely burned up, a gummy residue forms inside your engine. The heavy duty detergents in Conoco HD Oil and Conoco Super Motor Oil disperse moisture, stop the accumulation of sludge, and prevent ring sticking. Remember—they're both Heavy Duty—will help keep your engine new and clean.



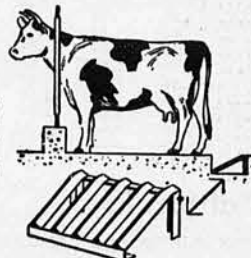
### To Unroll Barbed Wire

Punch two holes, about an inch apart, in old disk blade. Wire disk, cupped side down, to floor of truck or pickup. Make supporting frame from poles, as shown. Run pipe through spool and disk. Bailing wire holds poles and pipe together. Easy way to unroll barbed wire, says Melvin J. Gardner, Como, Colorado.



### Gutter Guard

Edward J. Frank, Wabasso, Minnesota, sends this "sure-fire" way to keep cows out of gutters. Build guard as shown, using  $1\frac{1}{2}$ " angle iron. Weld 2" section about 8" high and wide enough to fit gutter.



### 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!

### And Now—NEW Conoco Anti-Freezes!



This year, Conoco introduces its own new dependable anti-freeze solutions, to protect all your water-cooled engines . . . cars, tractors, trucks, power . . . from damage due to freezing and rusting. Here are two great new anti-freezes—Conoco Permanent Type Anti-Freeze and Conoco Anti-Freeze—that are anti-rust . . . will not attack or corrode metal . . . do not harm hose connections . . . and protect your engines against the costly damage of freeze-ups. To be safe, put Conoco Anti-Freeze in your engines at the first killing frost. To be ready, order Conoco Anti-Freeze or Conoco Permanent Type Anti-Freeze from Your Conoco Man now!



## CONOCO

### YOUR CONOCO MAN

Has a Full Line of Farm Products Including  
CONOCO GASOLINES • CONOCO HD OIL  
CONOCO KEROSENE • CONOCO TRANSMISSION OIL  
CONOCO TRACTOR FUEL • CONOCO PRESSURE LUBRICANT  
CONOCO DIESEL FUEL and CONOCO SUPER MOTOR OIL