

Kansas Farmer



PRIDE AND JOY of Bettie-Lou Metsker is her new electrically-equipped kitchen. She is starting the noonday meal in a room which once was an outside porch. Several green plants add a lively touch.



JOHN METSKER displays his pride and joy—the pump house which contains water pump and hot-water heater, both electrically operated. Heavily insulated, it has stood outside temperature well below zero.



WHILE BETTIE-LOU peels potatoes in her spick-and-span kitchen, Barbara Ellen, 10 months old, looks on approvingly as her mother keeps a watchful eye on her daughter, who is at a peppy, mischievous age.

Farm Life Offers So Much

... And Bettie-Lou Metsker, once a city girl, has measured up to it

SINCE girls are leaving farms for jobs in the city in ever-increasing numbers—a lot more of them than boys, according to U. S. Census authorities—a question keeps bobbing up that runs something like this: Can city-bred girls take their places as housewives provided, of course, the right farm boys come along?

Folks in the Lone Star neighborhood of Douglas county will vote yes, a conclusion reached by evaluating 5 years of married life of John and Bettie-Lou Metsker, prominent farm family.

For certainly Bettie-Lou—city-born—has measured up to any sort of standard set for farm homemaking, no matter how high. As the wife of John Metsker, a third-generation Metsker on the same 240-acre farm now devoted largely to dairying, the young wife brought up in Lawrence, the county seat, now presides over a remodeled farm home built exactly 82 years ago of walnut lumber sawed on the farm. Under Bettie-Lou's [Continued on Page 12]

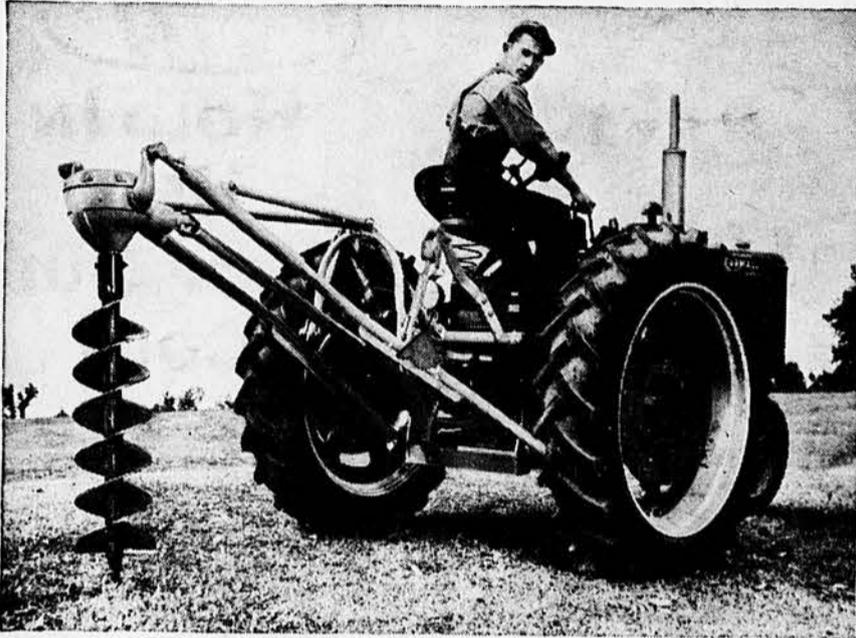


JOHN METSKER home, near Lone Star, now housing the third generation of the same family. It has been completely modernized under direction of Bettie-Lou, the city girl who decided the farm was the right place to live.

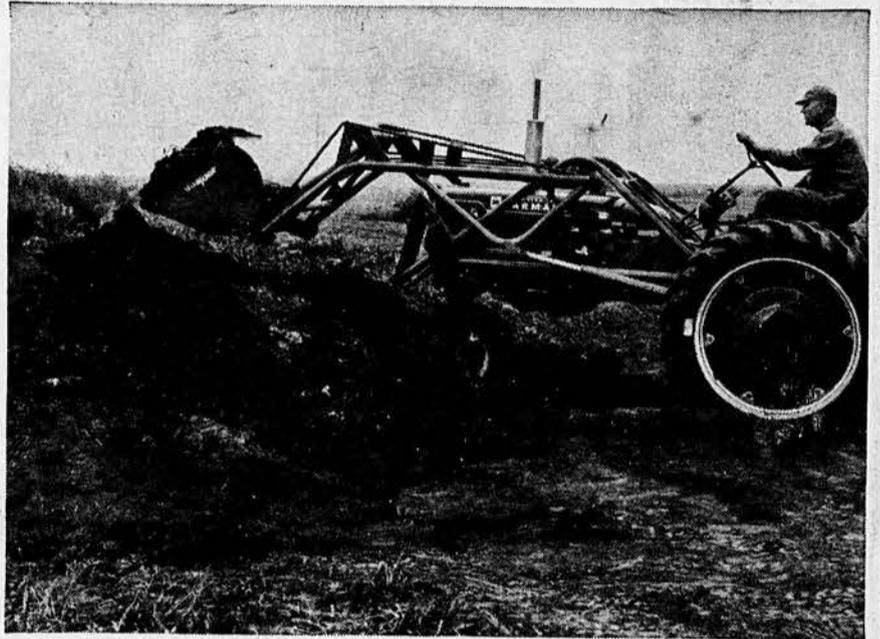
- **Big 3 in Dairying**.....Page 4
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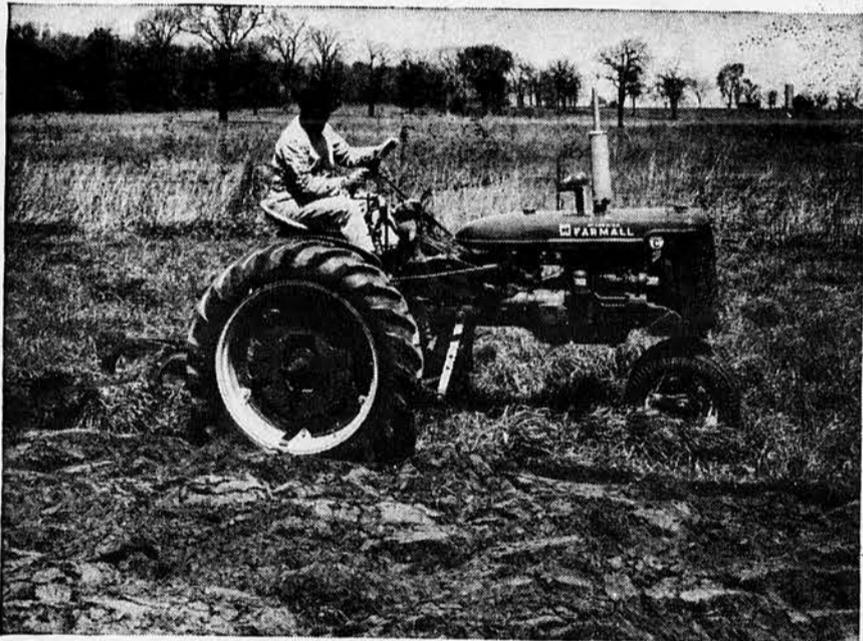
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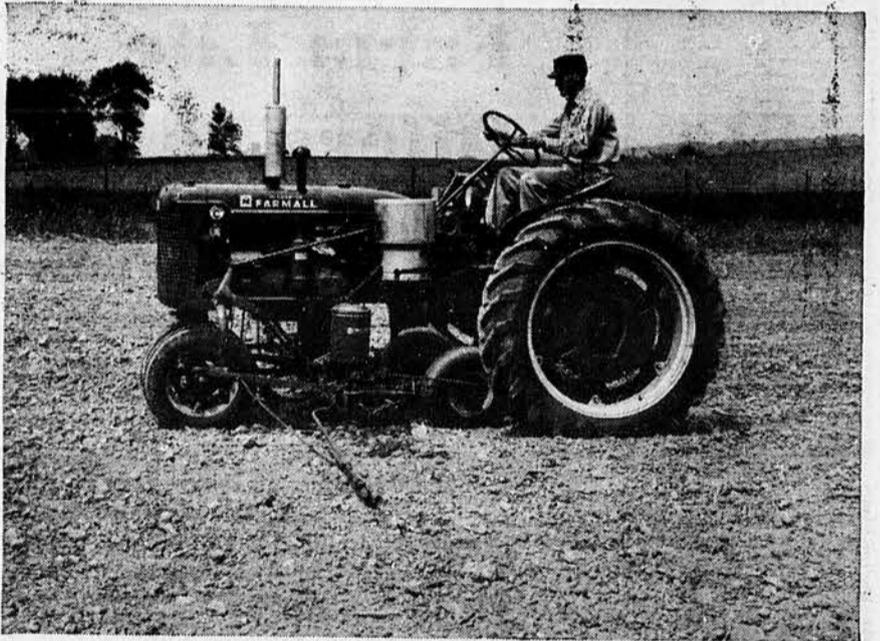
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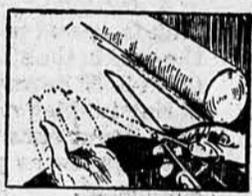


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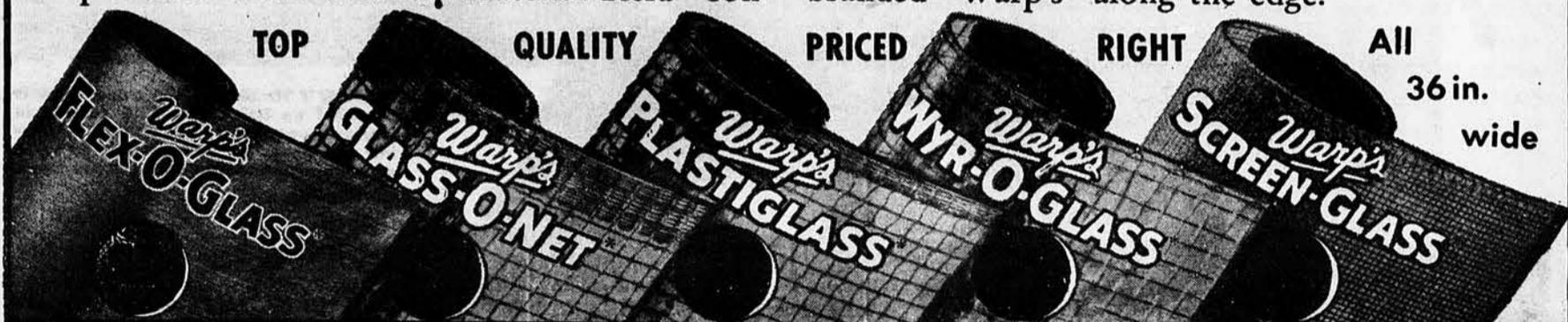
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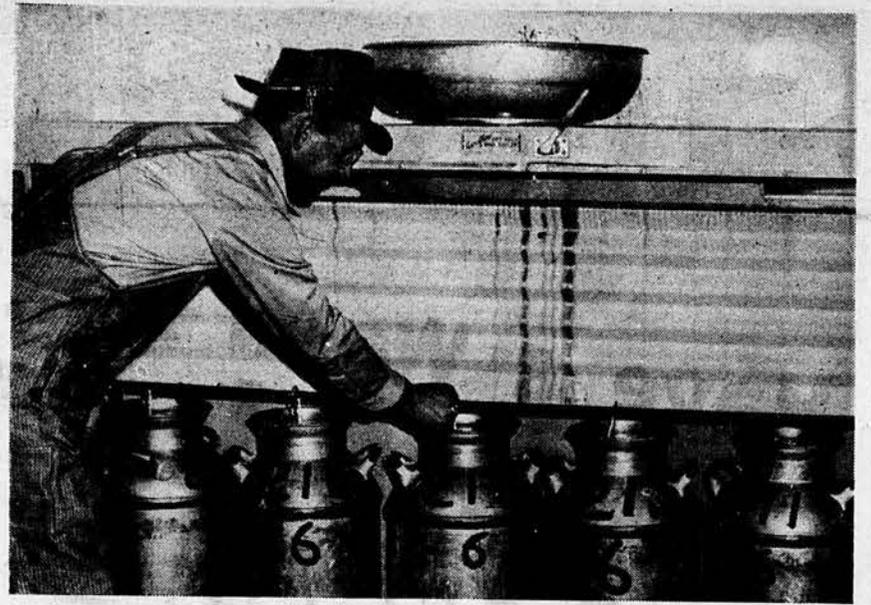
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H. Warp



LOOKING OVER his herd-breeding record are Floyd Isch, left, Coffey county dairyman, and Elmer Blankenhagen, county agent. Artificial insemination has brought a 75 per cent conception rate in the herd.



MILK IS COOLED down to 50 degrees by the time it hits the cans with this dry-cold cooler in Isch milk room. Bacteria count averages from 3,000 to 6,000, which is about as low as you can get.

BIG 3 Low Production Costs Laborsaving Equipment Sanitation

... Top the list in
making dairy progress

By DICK MANN

WHEN you are milking cows to make money—and who isn't—there are several things to strive for. On the Floyd Isch farm, Coffey county, Mr. Isch puts at least 3 things at top of the list—low production costs, laborsaving equipment, and sanitation.

What comes first with Mr. Isch in getting low production costs? From talking with him we gathered he considers his membership in the Dairy Herd Improvement Association most valuable. After 3 years in the association he now is president of the Coffey-Woodson group.

"Before I went into DHIA," he says, "I was milking more poor cows than anyone else in either county." When you consider he has a herd of 70 cows you can see what he means. More than 20 head out of his herd of 3 years ago have gone "over the hill" because they couldn't produce when put on test. "Getting rid of those low producers was a labor and a money saver," Mr. Isch reports.

Even further culling is planned for the herd. "I want to cull down to 40 head on a straight production basis," he says. "Only the highest

producers in the present herd will be retained."

When the artificial-breeding program out of Kansas State College was extended to his county, Mr. Isch was one of the first to sign up. He now has a nice calf crop and there isn't a bull on the place. "I figure artificial breeding is cheaper for me in the long run because of the upgrading of my heifers," he says. He also feels he does not have the proper facilities for safely handling live bulls. A look at the breeding records of the herd shows a conception rate of 75 per cent has been maintained since the artificial-breeding program was started on the farm, March 1, 1950. This seems very high but Elmer Blankenhagen, Coffey county Extension agent, reports conception rates on herds in the county are running from 70 to as high as 87 per cent under the artificial-breeding program. This high conception rate certainly is a boost to profitable production and makes

participation in the artificial-breeding program a good business practice for the average dairyman.

A modern dairy barn is considered essential to good milk production on the Isch farm. The present barn was built in 1949 following a fire that destroyed the previous one. Mr. Isch studied milk barns in the Springfield, Mo., area before building his. As a result he has a 3-stanchion, raised, tandem-stall type milking parlor. Cows come in from the loafing shed at one end, are milked, and go out at the other end. One man can operate the milking parlor and the raised stanchions (30 inches from floor) mean the "stoop" has been taken out. With this system the herd can be run thru at the rate of 20 to 24 cows an hour.

A dry-cold cooler is used in the milk room. Milk is poured in at top and by the time it hits the cans in the storage compartment it is cooled down to 50 degrees. Because of good sanitation during milking and quick-cooling of milk, bacteria count runs only 3,000 to 6,000, which is about as low as you can get with present-day equipment.

Pasture, of course, plays an important part in any good [Continued on Page 21]



PASTURE 7 TO 10 MONTHS out of year is provided on Isch farm. DHIA records in Marion county show good pasture in October and November will cut costs 13 to 16 cents for each pound of butterfat produced.



THESE TEST-TUBE BABIES are part of the calf crop on the Isch farm. Upgrading of heifer quality thru artificial insemination is a good business practice, Mr. Isch believes.

Farm Matters

AS I SEE THEM

AT THE annual convention of the American Legion at Miami last month General MacArthur, whose stature lifts him high above partisan politics, enunciated 14 points he holds should be basic in United States foreign policy. I believe every American should read, and consider, them very seriously. Here they are:

1. That we rearm, as rearm we must, in an atmosphere of confidence in our inherent strength, not under the hysteria of artificially-created fear.

2. That it is our implacable purpose to retain undisputed control of the seas, to secure undisputed control of the air, vigorously to implement our atomic program with a full commitment to the use as needed of the atomic weapon, and, while maintaining a well-balanced and highly-developed ground force, to charge to our Allies the main responsibility for ground operations in defense of their own spheres of territorial interest.

3. To curb the growing tendency of political and military leaders to publicize for political advantage classified data concerning scientific developments incident to our military effort and thus to yield the all-important element of surprise.

4. To do all, reasonably within our power, to help preserve freedom for those who have the will and determination to do all in their own power to defend their own freedom.

5. To avoid being drawn into unreasonable and unnecessary expenditures for armaments to create artificial domestic prosperity for political ends.

6. To avoid contributing the fruits of our system of free enterprise to support socialism or communism abroad under the spurious pretense that it serves our own military security.

7. To avoid aligning ourselves with colonial policies in Asia and the Middle East, lest we invite the enmity of the traditionally friendly peoples of those vast areas of the world.

8. To give primary concern to our own security and the well-being of our own people.

9. To avoid distributing our wealth for the purpose of buying the loyalty of others, or of sharing with others the wealth and security which we hold in trust for our progeny.

10. To apply all possible pressures, short of war, upon the Soviet or any associated power which by abuse and pressure upon us forces the expenditure of such vast outlays of our energy and resources as a measure of self-preservation.

11. To avoid a protracted and indecisive war in Korea with its endless slaughter—the Chief of Staff of the Army testified before a congress-

sional committee that it might last 10 years.

12. To regain military faith in ourselves and the policies upon which our victories in the past always have rested.

13. To do all, reasonably within our power, to assist the Filipino and Japanese people to advance and fortify their liberties, and the Chinese people to regain theirs.

14. And, above all else, to preserve inviolate those great principles and ideals of moral authority upon which is based the American way of life, and the nobility of the cause for which our soldiers fight.

Congratulations to 4-H

AGAIN I want to express hearty congratulations to all 4-H Club members in the U. S. and in Kansas on their past year's work. I say this now, because the 1951 National 4-H Club Achievement Week is being held November 3 to 11. Its purpose is to recognize and honor the accomplishments of the 2 million 4-H Club members who have completed a year's effort toward their goals. Sharing in the honors are some 275,000 volunteer local leaders of these fine clubs.

Now, you farm folks are well aware of the many projects our 4-H'ers carry. You have recently seen many of them win top spots exhibiting their livestock and crops at state and county fairs. But did you know during 1951 they have made it a special project, also, to give wholehearted support to national defense mobilization thru a special 14-point program? I want to call your attention to these 14 points because they indicate in every word the type of youth training we need in this country. Here are the points:

1. Obtain the best possible education and continue to make plans for the future, irrespective of war emergencies.

2. Understand what genuine freedom in a democracy means.

3. Keep physically and mentally strong.

4. Produce for home and world use.

5. Assist in the conservation of all natural and material resources.

6. Take over farm and home tasks for older members who leave for military service.

7. Participate in various defense mobilization and relief campaigns.

8. Care for young children.
9. Learn and demonstrate labor-saving practices.

10. Receive training in first aid and home nursing.

11. Provide ways of giving comfort to the victims of war casualties.

12. Keep well-informed regarding the United Nations and world affairs.

13. Continue to help and write to boys and girls in other lands, sending them illustrative materials about life with its many freedoms in the United States.

14. Do everything possible to stir the hearts of fellow Americans to a renewed allegiance to the flag of the United States and to the Republic for which it stands.

I think it will do all of us good to study over these 14 points as a means of checking up on ourselves. Certainly the 4-H Clubs are helping to develop a fine, upstanding group of boys and girls to take over the important duties of running this country in their turn. I hope the present generation can keep this country whole and wholesome for them to take over.

I am sure it will amaze you, getting back to 4-H projects, to learn what these young club folks did in their production year. Let me give you just a few figures. These 2 million 4-H Club members in the U. S. had 120,000 acres in gardens, raised 9 million head of poultry, produced 1 million head of livestock, farmed 600,000 acres of food crops, preserved 16 million quarts of foods and froze 5 million pounds.

They made their homes more attractive and livable, doing their part by planning and serving 20 million meals, improving 150,000 rooms, beautifying 140,000 homes and lawns, making 2¼ million garments. Some 340,000 kept personal accounts, 580,000 participated in fire and accident prevention, 370,000 conducted soil and wildlife conservation practices, 60,000 engaged in work relating to farm engineering, electricity, tractor maintenance and general farm repairs.

The 4-H Clubs are building useful American citizens of the right type. I congratulate every member, especially those in Kansas, and wish to thank our many, many volunteer leaders for all they are doing. I hope club membership will increase greatly in the year just ahead.

Arthur Capper

Topeka.

Truman "Fair Deal" Put in "Deep Freeze"

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

IF THE United States were not at war—a war declared by the United Nations, not by the Congress of the United States; a war being fought by the United States and not by the United Nations—what President Truman said about the "worstest" Eightieth Congress (Republican) is not a patch compared to what he would be feeling about the first session of the 82nd Congress (Democrat), now in adjournment until January 8, 1952. (*American casualties in the "forgotten war" are approaching 100,000.*)

The working coalition of conservative Republicans and conservative Democrats in the session just ended firmly and unpolitely put the Truman "Fair Deal" program in the refrigerator—apparently in the "freeze" compartment.

But in the field of foreign policy and huge spending the 82nd Congress took over the Acheson-Truman program and enlarged upon it. But the record that emerged was written by the Congressional leadership, rather than by the White House.

In the field of taxation, the 82nd Congress wrote another tax increase bill—the third in little more than a year—with some of the highest rates

in history. But at that it gave the President only a little more than half what he asked in the way of tax increases. The latest tax act is expected to raise \$5,700,000,000 more taxes a year than under the act in effect up until November 1.

The session of Congress just closed appropriated 89 billion dollars that can be spent in the current fiscal year ending June 30. With unspent money left over from previous appropriations (largely arms contracts not yet filled), the total available is about 100 billion dollars, with several supplemental appropriation bills to be passed next spring and made available this fiscal year.

The total of 89 billion dollars includes—

For defense, 61 billion dollars.

For military bases abroad, 6 billion dollars.

Aid for other countries, 7.5 billion dollars.

Actually, while the more than 100 billion dollars are available before next July 1, probably only about 70 billion dollars will be spent by that date.

If you are interested in comparisons—The average World War II appropriations were 93.7 billion dollars a year.

The postwar low was 31.2 billion dollars (1948).

Fiscal year ending last June 30 was 82 billion dollars.

Current fiscal year, 89 billion dollars.

For fiscal year 1939 the total was under 10 billion dollars.

Included in the total is 5.8 billions for interest on the federal debt of some 257 billion dollars.

House of Representatives threw a monkey wrench (the monkey wrench of today originally was called a Moncke wrench—invented by a Londoner named Moncke) in the direction of the White House machine a few days before adjournment. It voted down the conference report on the tax increase bill, forcing a new conference.

Net result, individuals with net income of \$2,000 or less will get an 11 per cent increase instead of 11½ as in the first conference report. Looks small, but 68 million dollars less reve-

nue per year. Average increase is 11½ per cent for individuals up to \$29,000 (\$58,000 married). Above that, 9 per cent increase of net income. Corporation tax, 52 per cent, up from 38 per cent.

Maximum capital gains tax is upped from 25 per cent to 26 per cent. In addition to increase in rate, other changes in capital gains tax include:

Unharvested crops sold with land get capital gains treatment instead of income rating. Same for livestock used for breeding, dairy or draft purposes held for 12 months or more. Turkeys excluded.

Profit from sale of residence will not be taxed as capital gains, if proceeds are put into a new home within one year after sale of old. This provision includes sales made anytime in 1951.

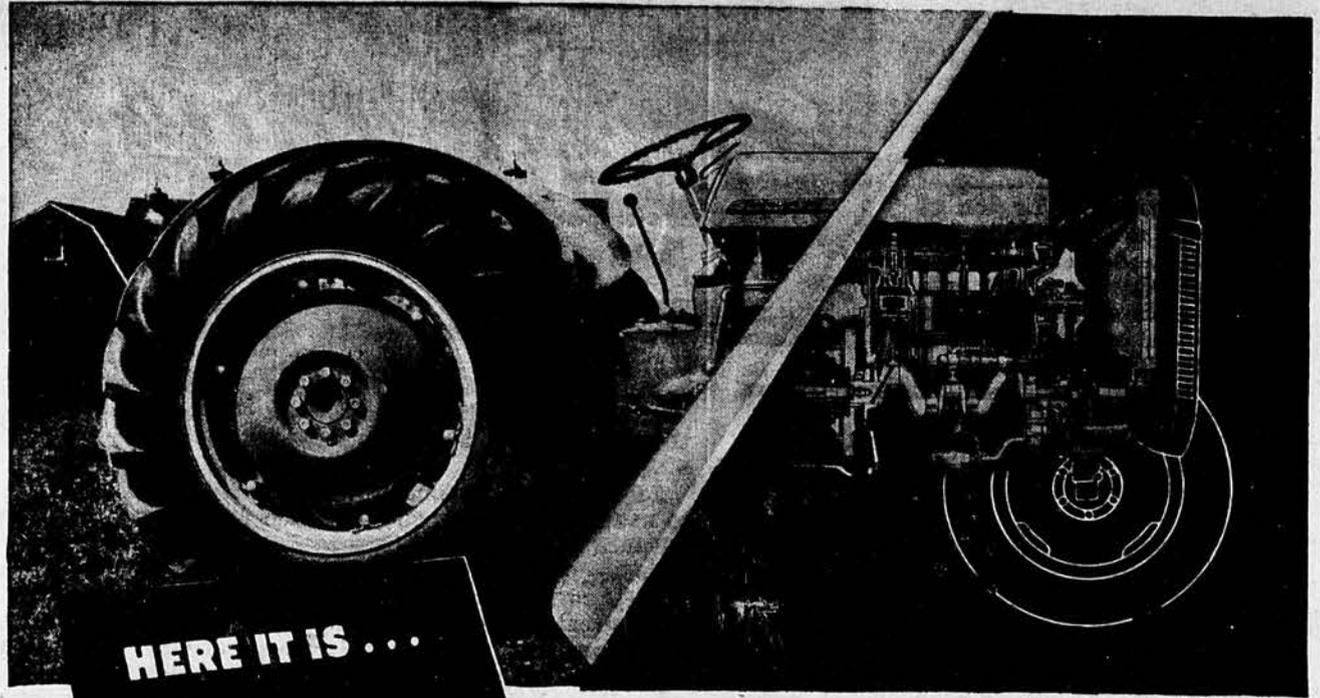
Short-term losses under new act can be used to offset only dollar for dollar in long-term gain; under old act \$1 short-term loss could offset \$2 long-term gain.

One rider attached to the tax bill (by Senator Jenner of Indiana) lifts the federal ban on publication of relief rolls.

(Continued on Page 28)

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FERGUSON TRACTOR AND 63 FERGUSON SYSTEM IMPLEMENTS

Kansans in the Spotlight In Colorful FFA Meet

By MIKE BURNS



KANSAS WINNERS of American Farmer degrees at the National FFA Convention in Kansas City shown here with state leaders are, front row, from left, Laddie Merryfield, Minneapolis; Lowell DeWayne Black, Beloit; James E. Eaton, Columbus. Back row, from left, Loren Whipps, in-service teacher-trainer of vocational education, Kansas State College; Edward L. Pachta, Belleville; Edmund Vetter, Newton; A. P. Davidson, professor of vocational education, Kansas State College. Sixth American farmer award winner, not present for the picture, was Wilbur F. Woodson, Kingman.

NEVER in its 24 years has an FFA national convention equalled the 1951 gathering of 6,000 at Kansas City in color and spectacle. Future Farmers of America in their brilliant blue jackets thronged into the municipal auditorium for every session with its surprises and excitement that were bound to occur when as alert a bunch as these young folks gets together.

Kansas took its turn in the spotlight with a display of leading Kansas wheat varieties in the parade of states, and with high honors for chapters and members during the 4-day gathering in early October.

Shawnee Mission, at Merriam, was awarded the Gold emblem, highest honor in the organization's national chapter contest. H. D. Garver is adviser and Castle Thompson is president.

Six Kansas FFA boys were presented the American Farmer award, highest individual honor given by the organization. Only one in 1,000 members is eligible.

Right at the Top

Chanute's poultry-judging team placed in the gold-award class as one of the nation's top 4 in poultry competition. Yates Center's meat-judging team received a silver award, and the livestock-judging team from Newton received a bronze award, in the national competition.

Representing Kansas FFA members at the convention were DeWayne Black, Beloit, and Darrel Gartrell, Stockton. Young Gartrell, altho he had recently been injured in an automobile accident when a pig ran in front of his car, carried the Kansas flag in the parade of states at the evening session, October 9. This parade was perhaps the most colorful feature of the entire convention, with possible exception of the mass of blue jackets worn by delegates.

The 108-piece national FFA band provided no less a spectacle as it went from marches to boogie under the baton of Henry S. Brunner, of Pennsylvania State College. National chorus members also exhibited their skill as they joined voices under James W. Hatch, New York state department of education. Seasoned adults seldom equal the performance of these musical farm lads who until the week of the convention for the most part had never met one another. Seven Kansans played in the band and 8 sang in the chorus.

Most colorful group of delegates seemed to be the foursome from Ha-

wai who wore colorful shirts from the islands, leis, and brought exotic flowers. Altho frequently mistaken for American Indians, the boys didn't seem to mind it—they were too interested in seeing the strange sights of America.

"Everything is so big here," commented George Hirayama, Hawaiian delegate and 5th place winner in the national public-speaking competition, when asked how Kansas agriculture compares with that of the islands. "We are amazed at the distances you travel, the size of your farms and machinery. Our largest island is only 120 miles across. Only 7 per cent of the islands is arable, only 1 per cent is in diversified farming."

"We have a great many FFA members who must go into industry tho they would like to farm, because of our limited agricultural area. As a result, we are concentrating on poultry, swine and especially flowers."

Mr. Hirayama wore a lei of beautiful Vanda flowers grown in his home garden. Livestock farming is at a minimum, he said, because much feed must be shipped in and growth of grasses, while lush, is low in nutritive value.

"In the past we have emphasized skills, but now we are trying to develop leadership," commented Jiro Suzuki, Vocational Agriculture instructor who attended the convention with the 3 FFA member Hawaiian delegates. "We are impressed with the poise of the officers here. While our FFA chapters are larger in the islands, we don't receive recognition by industry that you do in the states."

They Miss a Lot

Mr. Suzuki expressed admiration for the open recognition FFA members here give their parents and wives. "You never hear 'Dad and I did this' on the islands," because thru our ancestral background, we have been taught never to boast about our own families."

Kansas winners of the American farmer degree each received a certificate, and a gold key from FFA and a \$50 check from the FFA Foundation. Degree attainment is based on the candidate's record in farming, leadership and scholarship. Degrees went to:

Laddie E. Merryfield, Minneapolis, whose program started with a pig given him by his grandfather, and who now lives on a small place of his own with his wife and is farming on a partnership.

James E. Eaton, Columbus, who farms on a 50-50 partnership with his father in a livestock and crop program.

Edward L. Pachta, Belleville, winner of many ribbons on his Spotted Poland China hogs is now fully established in the breeding business.

Lowell D. Black, Beloit, who has been steadily building up his deferred-fed calf program until he expects to sell 35 head this November. He farms 80 acres.

Edmund Vetter, Newton, interested in registered cattle, and who now has 10 Herefords, considerable land in crops and future plans for more cattle.

Wilbur F. Woodson, Kingman, who is building a livestock program on his home farm. He is also active in the Flying Farmer program.

Chanute poultry team members and their individual honors were: Richard Reinhardt and Ralph Madill, Jr., gold awards; Wayne Burghart, silver award; coached by Charles O. Carter, Jr.

Yates Center meats team individual honors were silver awards to Roger Nordmeyer and Altis Ferree. Joe Steiner won a bronze award. Don W. Brock coached.

Newton livestock judges, coached by R. M. Karns, won: Maurice Kurr, silver award; Sammy Krueger, bronze award; Vere English, honorable mention.

Competing at the FFA national dairy contest at Waterloo, Ia., the 3 El Dorado contestants, Kenneth W. Schmidt, Weldon Braman, and John R. Unger, each won silver awards. They were coached by W. R. McMillan. Cherrvale's dairy products judges won the following: silver award, Robert McGuire; Charles Allen, bronze award; Harlow Altendorf, honorable mention. A group of outstanding national

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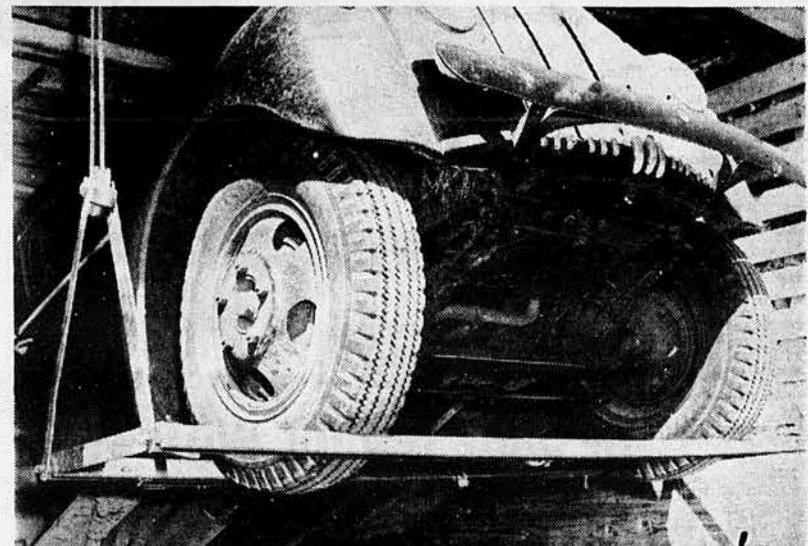
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speakers addressed the Kansas City convention, challenging the youth of America's farms with a steadily growing task of feeding our growing population, and all agreed—the future of America looks good in the hands of this alert young group, the Future Farmers of America.

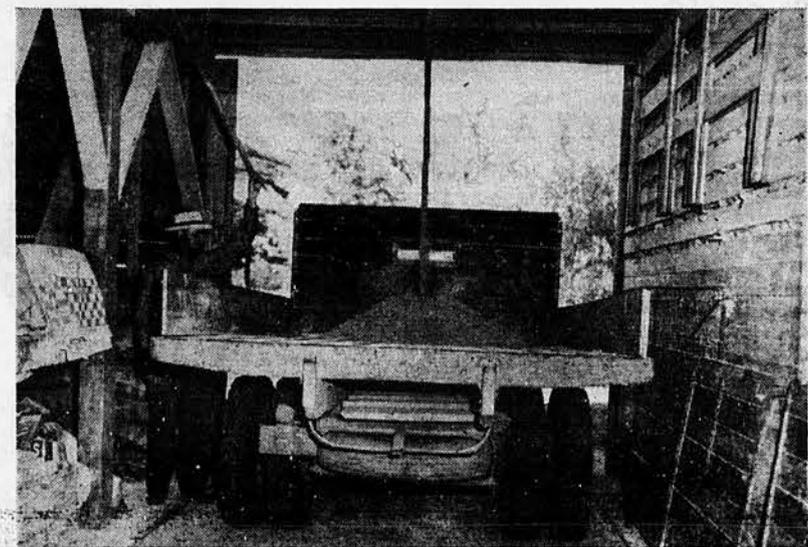
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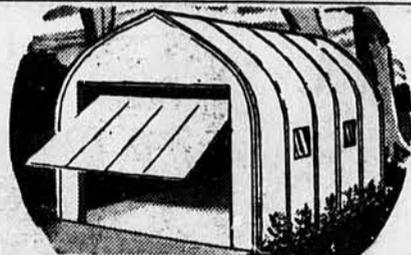
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\$50 an Acre From Sudan Grass

By H. C. Love, Extension Economist
Farm Management, Kansas State College

WESTERN KANSAS is a fabulous territory. It can promise much and give little, and vice versa. It also is a land of resourceful people. Last spring when his wheat crop largely failed, Mr. Roscoe Coberly, of Gove county, planted all the cultivated land in one-half section to Sudan grass. Two-hundred-ninety acres were planted to this crop. The remaining 30 acres are native grass.

On July 20, he drove 210 steers 7 miles from a native pasture and weighed them and then turned them on the Sudan. Weather conditions were ideal so on August 1, he drove another

210 head nearly an equal distance to the scales and then into the Sudan. The average weight of the 2 droves of cattle was 675 pounds into the Sudan.

On September 25, the 420 head were trucked several miles to a railroad and there weighed an average of 800 pounds. The 290 acres of Sudan grass had produced 52,500 pounds of beef from July 20 to September 25, or 181 pounds of beef per acre. At 30 cents per pound of beef that would be total receipts of \$54.30 per acre. That compares favorably with wheat or milo. Western Kansas land has many uses when mother nature co-operates.

Flooded Five Times Grass Makes Pasture



EXAMINING a field of Kentucky 31 fescue are Lee E. Bartlett, right, Coffey county farmer, and Elmer Blankenhagen, county Extension agent. This field survived 5 severe floodings during the summer and came on to make fine fall pasture.

AFTER the recent wet summer a lot of farmers are looking around for some kind of grass or legume that will take flooding.

We know, then, you will be interested in an experience of Lee E. Bartlett, of the Rue-B-Lee Farm, Coffey county. Mr. Lee had a 2.2-acre field of bottom land subject to flooding. It had been heavily limed in 1950. On March 26, 1951, he seeded a mixture on the 2.2 acres of 15 pounds Kentucky 31 fescue, 1 pound ladino clover, 20 pounds lespedeza and 3 bushels of oats. The field was treated at seeding with 600 pounds of 18 per cent superphosphate to give the seeding a good start.

Here is Mr. Bartlett's report on what happened to his field during the summer and how it came thru: "After I harvested my oats," he says, "the field was flooded 5 times. At one time there was 5 feet of water with a strong cur-

rent going over the field for a period of about 6 days."

Here is what happened. There was practically no soil loss on the field. A small amount of the ladino clover survived but the lespedeza flooded out almost 100 per cent. The big surprise was the Kentucky 31 fescue. This grass survived very well and since the flood has been supporting the equivalent of 3 animal units on the 2.2 acres.

"That fescue grows every day the temperature is above freezing," says Mr. Bartlett, "and I like it so well I plan another 10 acres of it on bottom land next spring."

So little is known about Kentucky 31 fescue in Kansas it is not generally recommended, but if you have a problem field subject to frequent or prolonged flooding and on which nothing else seems to "stick" you might try some fescue.

Sweet Clover Pays Way as Pasture and Soil Builder

SWEET clover more than pays its way as pasture, in addition to its soil-building qualities, thinks Alfred Meyer, Coffey county dairyman.

Mr. Meyer has 25 acres of sweet clover for fall and spring pasture for

30 head of dairy cattle. He also uses some alfalfa pasture and was seeding 10 acres of Balbo rye this fall for additional pasture.

"I want all the good pasture I can get to cut down those production costs."



THESE DAIRY cattle on the Alfred Meyer farm, Coffey county, are enjoying lush sweet clover pasture in October. Mr. Meyer finds sweet clover more than pays its way as pasture.

Fight Insects In Stored Grain

Five to 10 per cent of all grain produced is destroyed by insects. In urging the importance of protecting stored grains from insects, the U. S. Department of Agriculture recently cited figures that could result from the reproduction of one kind of weevil, under completely favorable conditions. Altho the following case is never likely to happen, it illustrates the quick build-up made possible by short life cycles and short generations and large size of insect "families" produced by a single mother insect.

A female weevil may lay about 300 eggs. The first brood would be 300 weevils; the 2nd brood would be 45,000 weevils; the 3rd brood would number 6,750,000 weevils; the 4th brood would number 1,012,500,000 weevils; the 5th brood (in about 120 days), 151,875,000,000 weevils! Whew!

T. B. Avery Elected To Poultry Office

T. B. Avery, Kansas State College poultry staff, was elected secretary-treasurer of the National Poultry Science Association at the recent annual meeting, at University of Tennessee. Mr. Avery is a regular contributor of a poultry column to *Kansas Farmer*.

4-H Editor Wins Scholarship

Lois Ottaway, Editor of the Who's Who 4-H state yearbook at Kansas State College, is winner of the Fay N. Seaton \$150 scholarship for journalism work. Miss Ottaway's home is Viola.

Kansas Bull Wins More Show Honors

Fox's Roan Prince, Milking Short-horn bull owned by John Garetson, Copeland, was reserve grand champion of open classes at the International Dairy Exposition, Indianapolis, Ind. The bull also was grand champion at Kansas State Fair this year.

Name Top 4-H Dairy Demonstrator

Helen Sterling, Canton, is the top 4-H dairy foods demonstrator in Kansas this year. She is a member of the Live Wire 4-H Club, McPherson county. Her outstanding demonstration, "Milk in Relation to Good Health," earned her a gold wrist watch from the Carnation Company.

Save the Sugar Sack

When rolling out cracker crumbs, you can save time and later brushing of the table if you will first place the crackers in a sugar sack.—Mrs. J. D.

Senator Capper on Radio

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

KANSAS FARMER

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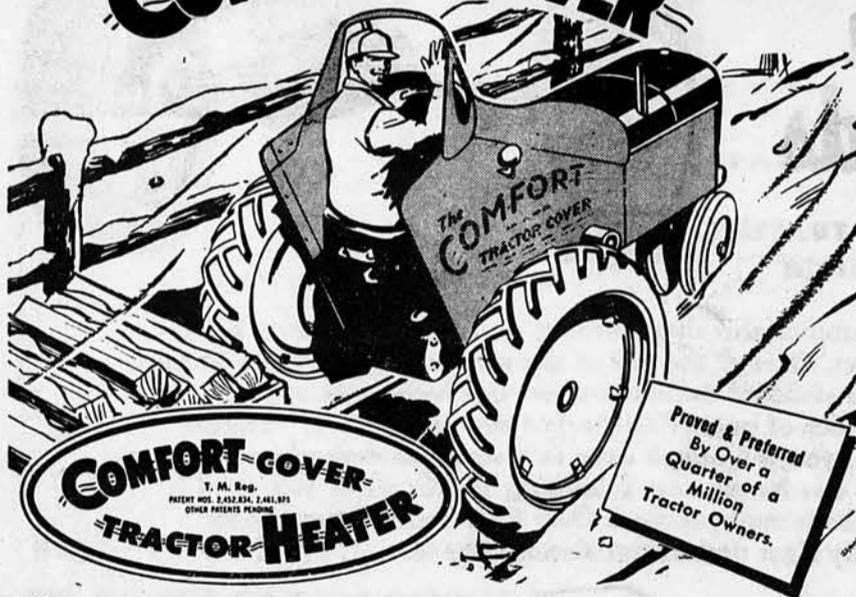
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Western Kansas Pay-off

By H. C. LOVE, Extension Economist
Farm Management, Kansas State College

THEY have done it again. Western Kansas has come up with what appears to be a record milo crop. From Ellis county to the Colorado line and south to the Oklahoma line, an area of 29 counties, we have seen the golden-red glow of milo fields. A grain dealer at Scott City estimated Scott county could easily have 4 or 5 times as much milo as in 1950. Where yields of 25 to 30 bushels per acre were normal in 1950, yields of 40 to 50 will be common in 1951. Some dry-land fields with almost perfect stands look good for 75 bushels per acre. Harvest has just reached its peak.

A Profitable Grain

The Western Kansas wheat farmer who turned to milo this year will likely sell most of his crop for cash, or place it under storage loan with the Commodity Credit Corporation. Where the crop is dry enough storage will be popular. Net loan proceeds in most counties will approach \$2.10 per hundred-weight or 10 to 15 cents per hundred over the estimated harvest rush price. With corn crop estimates showing some decline a 40-cent increase per hundred-weight of milo from harvest date to the summer of 1952 seems readily possible. A 40-bushel milo crop would produce \$44.80 per acre in total receipts at \$2 per hundredweight. Net income will be \$10 to \$15 per acre below that figure.

A Profitable Feed

Milo feeding tests by the Kansas Experiment Stations at Manhattan, Hays and Garden City have shown milo equal or better than corn when fed to lambs and flocks of breeding ewes and 90 to 98 per cent as efficient as corn when fed to hogs and cattle. Today corn is costing close to \$1.70 per bushel or 3 cents per pound. Milo at 2 cents per pound should encourage feeding and should make many a livestock farmer a potential milo buyer. One hundred pounds of pork will buy 11.4 bushels or 638 pounds of corn. That same 100 pounds of pork would buy 18.7 bushels or 1,050 pounds of milo at \$2 per hundredweight. Good hog producers can raise 100 pounds of pork with 375 to 400 pounds of corn or sorghum grain and 30 pounds of protein supplement. Western Kansas should feed more milo to hogs, cattle and sheep during the coming year than ever before in its history.

If the feeding and profit margins are good why do many sell their grain for cash? There are 3 big reasons:

No. 1: Feeding livestock involves much labor. Farm labor is scarce and wages are high.

No. 2: Feeder livestock prices are high. Large investment in livestock is necessary. This increases risk and frequently causes use of much credit. For example, here are the approximate minimum livestock investments neces-

sary to market one acre of 40-bushel milo thru the major meat animals.

It is worthwhile to note these investments are only the initial cost of the livestock. Consideration must also be given to fencing, feeding equipment, roughage and protein costs.

No. 3: Lack of proper facilities. Many growers of milo do not wish to become livestock feeders, hence they have neither the equipment nor the skill to feed livestock profitably. For them the risk is greater than the possible increased income.

The skilled hog feeder could increase his income from one acre of milo \$16 to \$20 over the cash sale of the crop by marketing it thru hogs. The beginner or novice could lose \$10 per acre just as easily. "Know How" pays off on the modern farm.

High Man at Royal

A KANSAS STATE COLLEGE senior, Larry Seaman, of Wilmore, was high individual in the American Royal intercollegiate livestock judging contest, at Kansas City. The University of Missouri team was first and Colorado A & M, second.

Also the Kansas State College team placed only 6th in the over-all contest, it took first place in the sheep judging contest.

In the meat judging contest Oklahoma A & M College team took first place but had the help of a Kansas boy to do it. Ivan Tomkins, of Howard, was a member of the winning Oklahoma team. Kansas State College won 6th place in the team event.

Announce New Safety Award

The National Safety Council announces the Carol Lane Award to recognize and reward women's achievements in the traffic safety field. It is the first time national recognition will be given to an American woman for the safety and welfare of others.

The award will be presented annually. It consists of a \$1,000 Defense Bond and a statuette designed especially for the award by a leading American sculptor. There also will be 3 honorable mention awards, each to receive a distinctive plaque. Awards will be presented in October, 1952, and each year thereafter at the National Safety Congress, annual convention of the National Safety Council.

Women's organizations are urged to sponsor entrants. Additional information may be obtained from Alice Catherine Mills, director of women's activities, National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.

Program	Number of Head Required	Livestock Investment Per Acre
1. Fattening feeder pigs from 40 to 225 pounds	2	\$ 28.60
2. Good to choice deferred-fed steer calves	1	160.00
3. Choice heifer calves wintered and full-fed	1	152.00
4. Feeder lambs fed dry lot 110 days	20 head	396.00
5. Ewe and lamb spring lamb market at 100 lbs.	20 ewes, 20 lambs	500.00

Kansans Win Honors At American Royal

KANSAS livestock exhibitors—including the "oldtimers," 4-H, FFA, and others—went to the American Royal in Kansas City and brought home several championships, reserve championships, other high honors.

Top placings for Kansas exhibitors were as follows:

Beef

Aberdeen-Angus—Champion Angus steer, KSC Tex, Kansas State College, Manhattan; steers, calved between September 1 and December 31, 1950, KSC Tex, Kansas State College, 1st; senior heifer calves, calved between September 1 and December 31, 1950, Miss Prudence of Sunflower, Sunflower Farm, Everest, 3rd; junior get-of-sire, Ever Prince of Sunflower, Sunflower Farm, 3rd.

Hereford—Champion Hereford bull, CK

Crusty 46, CK Ranch, Brookville; senior steer calves, calved between September 1 and December 31, 1950, Kansas State College, 2nd; group of 3 steers, Kansas State College, 2nd; 2-year-old bulls, calved between May 1 and August 31, 1949, CK Crusty 46th, CK Ranch, 1st; summer yearling heifers, calved between May 1 and August 31, 1950, CK Cameo 115, CK Ranch, 3rd; 3 bulls owned by exhibitor, CK Ranch, 3rd; 2 bulls owned and bred by exhibitor, CK Ranch, 2nd.

Shorthorns—Champion Shorthorn steer, KSC Prince, Kansas State College; steers, calved between January 1 and April 30, 1950, KSC Prince, Kansas State College, 1st, KSC Red Boy, Kansas State College, 3rd; steers, calved between May 1 and August 31, 1950, Mills & Mills, Sylvia, 2nd; steers, calved between September 1 and December 31, 1950, KSC Tom, Kansas State College, 2nd; steers,

(Continued on Page 11)

calved after January 1, 1951, KSC Frosty, Kansas State College, 1st; group of 3 steers, 2 entries, Kansas State College, 2nd, and Mills & Mills, Sylvia, 3rd.

Swine

Duroc—Champion barrow, Boyd Woodford, Silver Lake; champion pen of barrows, Kansas State College; champion sow, Quality Girl, Woodford, Silver Lake; barrow, 180 pounds and under 200 pounds, Kansas State College, 1st and 2nd, and Woodford, 3rd; barrow, 220 pounds and under 260 pounds, Woodford, 1st, and Kansas State College, 2nd; barrow, 260 pounds and under 300 pounds, Kansas State College, 1st and 2nd; 3 barrows, 180 pounds and under 220 pounds, Kansas State College, 1st, and Woodford, 2nd; 5 barrows, get-of-one-sire, Kansas State College, 1st; boars, farrowed after January 1, 1951, Velvet Jim, Woodford, 2nd, and Red Flash, Woodford, 3rd.

Sows, farrowed after January 1, 1951, Quality Girl, Woodford, 1st, and Proud Girl, Woodford, 2nd; breeder's herd, 1 boar and 3 gilts, farrowed after August 1, 1950, Woodford, 1st; get-of-sire, 3 animals, either sex, no barrows, get-of-same sire, farrowed after August 1, 1950, Woodford, 1st; produce of dam, 3 animals, either sex, no barrows, produce of one sow, farrowed after August 1, 1950, Woodford, 1st; breeder feeder litter, 1 boar, 1 sow and 1 barrow, farrowed after January 1, 1951, Woodford, 1st and 2nd.

Poland China—Champion barrow, Kansas State College; champion pen of barrows, Kansas State College; grand champion pen of barrows, pen champions complete, Kansas State College; champion boar, Long Lad, Spring boar, H. A. Wiswell, Spring Hill; champion sow, spring gilt, H. A. Wiswell; barrow, 180 pounds and under 220 pounds, Kansas State College, 2nd; barrow, 220 pounds and under 260 pounds, Kansas State College, 1st, and Glenn F. Wiswell, 3rd; barrow, 260 pounds and under 300 pounds, Kansas State College, 3rd; 3 barrows, 180 pounds and under 220 pounds, Kansas State College, 1st; 3 barrows, 220 pounds and under 260 pounds, Kansas State College, 1st, and Glenn Wiswell, 3rd; 3 barrows, 260 pounds and under 300 pounds, Kansas State College, 2nd; 5 barrows, get-of-one sire, Kansas State College, 1st; boars, farrowed between August 1 and December 31, 1950, Glenn Wiswell, 1st; boars, farrowed after January 1, 1951, H. A. Wiswell, 1st, and Glenn Wiswell, 2nd and 3rd.

Sows, farrowed between August 1 and December 31, 1950, Glenn Wiswell, 1st and 2nd; sows farrowed, after January 1, 1951, H. A. Wiswell, 1st and 2nd, and Glenn Wiswell, 3rd; breeder's herd, 1 boar and 3 gilts farrowed after August 1, 1950, Glenn Wiswell, 1st; get-of-sire, 3 animals, either sex, no barrows, get-of-same sire, farrowed after August 1, 1950, H. A. Wiswell, 1st, and Glenn Wiswell, 2nd and 3rd; produce of dam, 3 animals, either sex, no barrows, produce of 1 sow farrowed after August 1, 1950, Glenn Wiswell, 1st and 2nd; breeder feeder litter, 1 boar, 1 sow and 1 barrow, farrowed after January 1, 1951, Glenn Wiswell, 1st; Premier American Royal Exhibitor, 8 animals, either sex, no barrows allowed, farrowed after August 1, 1950, Glenn Wiswell, 1st.

Spotted Poland China—Barrow, 180 pounds and under 220 pounds, Kansas State College, 1st and 2nd; barrow, 220 pounds and under 260 pounds, Kansas State College, 3rd; barrow, 260 pounds and under 300 pounds, Kansas State College, 1st; 3 barrows, 180 pounds and under 220 pounds, Kansas State College, 1st; 5 barrows, get-of-one sire, Kansas State College, 1st; boars, farrowed between August 1 and December 31, 1950, Hall's Champ, Glenn H. Hall, Axtell, 1st; boars, farrowed after January 1, 1951, Hall's Silver Way, Hall, 3rd.

Sows, farrowed between August 1 and December 31, 1950, Hall's FBI Belle, Hall, 1st; breeder's herd, 1 boar and 3 gilts farrowed after August 1, 1950, Hall, 1st; get-of-sire, 3 animals, either sex, no barrows, get-of-same sire, farrowed after August 1, 1950, Hall, 3rd; produce of dam, 3 animals, either sex, no barrows, produce of one sow, farrowed after August 1, 1950, Hall, 3rd.

Hampshires—Barrow, 260 pounds and under 300 pounds, Kansas State College, 2nd.

Berkshires—Champion boar, Echo Valley Monitor, T. E. Frain & Sons, Minneapolis; champion sow, Echo Valley Barbara, Frain & Sons; breeder's herd, 1 boar and 3 gilts farrowed after August 1, 1950, Frain & Sons,

1st; get-of-sire, 3 animals, either sex, no barrows, get-of-same sire farrowed after August 1, 1950, Frain & Sons, 1st; produce of dam, 3 animals, either sex, no barrows, produce of sow farrowed after August 1, 1950.

Chester White—Boars, farrowed between August 1 and December 31, 1950, Lloyd Cole, Auburn, 1st; boars, farrowed after January 1, 1951, Cole, 3rd; sows, farrowed between August 1 and December 31, 1950, Cole, 3rd; breeder's herd, 1 boar and 3 gilts, farrowed after August 1, 1950, Cole, 3rd; produce of dam, 3 animals, either sex, no barrows, produce of 1 sow, farrowed after August 1, 1950, Cole, 3rd; breeder feeder litter, 1 boar, 1 sow and 1 barrow, farrowed after January 1, 1951, Cole, 3rd.

Sheep

Southdown—Grand champion and reserve grand champion pen, wether lamb, Kansas State College; ram, 1 year and under 2, Kansas State College, 3rd.

Shropshires—Wether lambs dropped after January 1, 1951, Kansas State College, 3rd; 3 wether lambs dropped after January 1, 1951, Kansas State College, 1st; ram, 2 years old or over, T. D. Fanning, Ottawa, 1st; ram lamb, under 1 year old, Fanning, 2nd; ewe, 1 year and under 2 years, Fanning, 2nd; ewe lamb, under 1 year old, Fanning, 1st and 2nd; 3 ewe lambs bred by exhibitor, Fanning, 1st; flock, Fanning, 1st, and Kansas State College, 3rd; Shropshire special, exhibitor flock, Fanning, 1st.

Hampshires—Wether lambs dropped after January 1, 1951, Kansas State College, 1st and 2nd; wether lambs dropped after January 1, 1951, Kansas State College, 1st.

Rambouillets—Champion ewe, Kansas State College; wether lamb dropped after January 1, 1951, Kansas State College, 3rd; 3 wether lambs dropped after January 1, 1951, Kansas State College, 2nd; ram lamb, under 1 year, Kansas State College, 3rd; ewe, 1 year and under 2 years, Kansas State College, 1st and 3rd; ewe lamb, under 1 year, Kansas State College, 3rd; 3 ewe lambs, bred by exhibitor, Kansas State College, 2nd; flock, Kansas State College, 2nd.

Grade or Crossbred Lambs—Wether lambs dropped after January 1, 1951, Kansas State College, 1st; 3 wether lambs dropped after January 1, 1951, Kansas State College, 2nd; reserve grand champion wether lambs, a crossbred lamb, Kansas State College.

Wool Department—Reserve champion fleeces, Kansas State College; commercial fleeces, class 1, Virgil McClure, Newton, 1st, Alvin Von Fange, Lincoln, 2nd, and Earl Bushnell, Coffeyville, 3rd; class 2, James H. Williams, Hutchinson, 1st, and Cecil Von Fange, Beverly, 2nd; class 3, Kansas State College, 1st, and A. W. Miller, Burns, 2nd; class 4, Victor Johnson, White City, 1st; Hampshire fleeces, Kansas State College, 1st and 3rd, and Mrs. E. L. Mallory, Concordia, 2nd; Shropshire fleeces, Kansas State College, and Smithcroft Farms, Cedar Vale, 3rd; Southdown fleeces, Smithcroft Farms, 3rd; Rambouillet fleeces, Kansas State College, 1st.

Meat Judging

Intercollegiate Meat Judging Contest—Kansas State College team, 6th; Phil Lukert, Kansas State, was individual winner in judging lamb; Ivan Tompkins, Howard, was a member of 1st-place team from Oklahoma A & M College; teams judging lamb, Kansas State College, 2nd; teams on grading lamb, Kansas State College, 3rd; Dale Davies, Kansas State, 3rd high individual in judging beef.

4-H Clubs

Shorthorns—Purebred, grade or crossbred steer, spayed or martin heifer, weighing under 950 pounds; Sam Miller, Milford, 2nd and David E. McKnight, Eskridge, 3rd.

Fat Lambs—Hampshires, Jeanette Collister, Manhattan, 1st, Kathryn Botts, Stillwell, 2nd, and Dee Ann Vail, Manhattan, 3rd; Shropshires, Janis Schoef, Council Grove, 3rd; Southdowns, George Atkeson, Manhattan, 3rd; reserve grand champion fat lamb, Charles Brink, Olathe; group of 3 fat market lambs from one club, College Hill 4-H Club, Manhattan, 2nd.

Fat Hogs—Durocs, Lee S. Brewer III, Manhattan, 1st; Spotted Polands, Nancy Ann Nagel, Valley Center, 1st; group of 3 fat hogs from one club, Clarks Creek 4-H Club, White City; reserve champion 4-H fat hog, all breeds competing, Brewer, Manhattan.

Top Sheep Judges



THIS TEAM from Kansas State College was first in judging sheep at the 1951 American Royal in Kansas City. Left to right: Coach, Don Good; Edwin Horstick, Harland Priddle, Larry Seaman, Bob Edwards, and Eugene Brinkman. Seaman was high individual in judging sheep, 3rd in horses and high man in the entire contest. Horstick was 2nd in judging sheep. The team had a total of 1,158 points.

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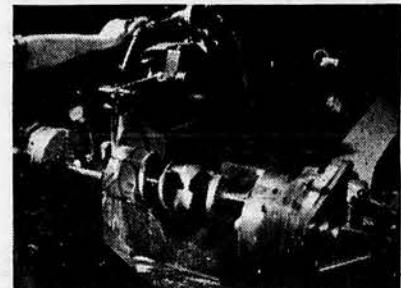
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AVAILABLE WITH Direct Connected Electric Motor, Flat or V-Belt Drive or Right-Angle Gear Drive

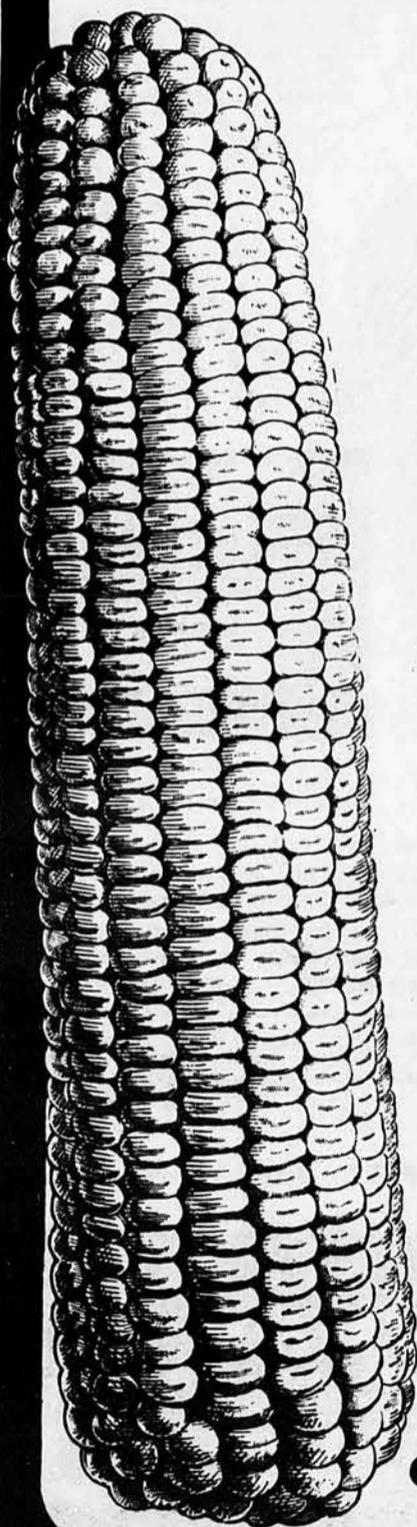
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PIONEER



1 SOUND BREEDING Pioneer maintains the oldest, and one of the largest corn breeding and research departments of the hybrid industry. Every PIONEER Variety is soundly bred—is thoroughly and completely tested before ever being offered for commercial sale.

2 STRONG GERMINATION Pioneers' strong germination is due to several things. In the first place, Pioneer has been bred for strong germination. This fine quality is safe-guarded by proper drying and careful handling in the seed plant.

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4 STANDABILITY Pioneer's strong root system and stiff, sturdy stalks assure Pioneer plants standing erect—like soldiers at attention—right through into the harvesting season . . . that adds speed and efficiency to the picking process.

5 ADAPTED MATURITY From early—to medium—to late maturity—PIONEER offers varieties of adapted maturity. Varieties that will, under ordinary conditions, produce top yields of sound quality corn in every maturity zone.

6 EFFICIENCY of PICKING Pioneer corn breeders have done an outstanding job of developing corn varieties especially adapted for machine picking or hand husking. Be sure to advise your Pioneer Salesman of your method of picking so he can help you select the right variety.

7 LARGER, MORE PROFITABLE YIELDS Year after year—under good conditions and bad—from one end of the cornbelt to the other—PIONEER has consistently produced LARGER and MORE PROFITABLE YIELDS of sound quality corn. Make it ALL PIONEER next year—and make MORE MONEY. See your local PIONEER Salesman TODAY.

Garst & Thomas Hybrid Corn Co.
COON RAPIDS, IOWA

There's NO CROP Like CORN and NO CORN Like

Farm Life

(Continued from Page 1)

direction, this sturdy old home, sound as a dollar, has been completely modernized from basement to attic.

But only a portion of the young woman's time is spent in the house, as can be imagined. She works in the garden in season, raises chickens by the hundreds, and then there's Barbara Ellen, a young cherub 10 months old and about ready to toddle into all sorts of mischief.

Furthermore, in those 5 years of married life, Bettie-Lou admits she has learned to do most any job about the farm—run a tractor, truck, combine or any farm implement and frequently does, since the help problem is probably more acute in Douglas county than elsewhere because of many war plants bidding for farm help.

Most profits from dairying have gone into making life more comfortable in the Metsker home, jointly shared with John's parents, Mr. and Mrs. Elmer Metsker who spend a lot of time enjoying the combination TV, radio and record player.

In fact it is doubtful whether many farm families have put electricity to so many uses in the house as well as about the farm. In the spick-and-span gleaming kitchen are range, refrigerator and running water forced to the sink by an electric pump housed with a supply tank in a small "lean-to" type room which also contains an electric hot-water heater.

Of course, the bathroom and its equipment are brand-new and adjoin the kitchen. Both now occupy the same space that once was a large outside screened-in porch.

In the basement are a large home freezer and an electric washing machine. Bettie-Lou hopes the next pieces of equipment will be a mangle and a clothes drier. The house is heated with an oil-burning furnace.

Long List of Helpers

With the thought that the list of appliances is a record as far as mere numbers are concerned, here they are:

Washing machine, range, refrigerators (2), water heaters (2), water pumps (2), deep freeze, irons (2), combination radio, television and record player; sewing machine, electric brooder, 2-unit DeLaval milker, 6-can milk cooler, electric drill, electric sharpener, toaster, mixer, waffle iron, econo cooker, fan, heating pad, electric sheets (2), heater (small), fan on large heater, clock (2), lamps (1 floor, 1 table, 3 pin-ups).

It goes without saying the Metsker dairy equipment is the last word in cleanliness and sanitation. Twenty Holstein cows, housed in a fine dairy barn and milked by a motor-driven milker, constitute the herd that's responsible for the milk checks.

Both John and Bettie-Lou are prominent in community life of the neighborhood, with John a member of the Douglas county Farm Bureau and an officer of the Douglas county insemination breeding association.

While John and Bettie-Lou attended Lawrence high school where both graduated, it isn't recorded they became acquainted, probably because they were not in the same classes on account of a 3-year difference in ages.

And how did the romance start? According to the wife, a tall, husky young fellow came into the hardware store where she was employed and asked to inspect a stock tank. It was John Metsker.

"I recall now he didn't seem in any great hurry to close the deal," she recalled the other day, "and I'll admit I was afraid he would. But I sold him eventually."

She didn't say the sale was sort of a double-barreled affair—one that involved the stock tank and a future with herself as Mrs. Metsker.

Now married 5 years, the 35-year-old husband and his 32-year-old wife have had about the same sort of good luck as usually is found in storybooks with a happy ending.

Prevent Hog Diseases

"Diseases of Swine," is a catalog of infections and general diseases. This is a reliable reference for the hog raiser. Kansas Farmer's Bulletin Service can have a copy of the circular sent to you promptly. Include 3c postage with your order.



"You do a better job with a bigger flock, I always say."

POULTRY RAISING Is Changing

By TOM AVERY
Department of Poultry Husbandry
Kansas State College

ALTHO chickens are known to have been domesticated for more than 5,000 years, there probably never before has been a period when the poultry industry has undergone so many changes as during the last 10 to 15 years.

The trend toward specialization probably has been the greatest single change. Today there is a growing tendency for poultrymen to specialize in one phase of production. Broiler growers buy chicks bred especially to be grown for broilers. Broiler chicks make very rapid growth to 12 or 14 weeks, make efficient use of feed and because they feather out rapidly will show few pinfeathers when dressed.

Fifteen years ago the broiler industry was considered very unstable. Most broilers simply were young chickens not suitable to be kept as layers. Little or no thought was given to feeding or breeding to make them better meat birds. They simply were a by-product of the egg industry.

There were only a few months during late spring and early summer when broilers were available. Even then the housewife could not be sure just what quality bird she was getting. Today broilers of top quality can be purchased in most any town in the United States any day of the year at a price the housewife can afford. They are of uniform quality and attractive in appearance. A successful broiler grower would no more think of trying to raise broilers from a strain of birds bred strictly for egg production than a beef producer would think of buying a dairy calf to grow out just for meat.

A few years ago practically all farms kept chickens. There were not many large flocks and few flocks so small there wasn't some surplus to be marketed. The tendency in recent years is for farmers either to keep enough chickens to warrant doing a good job,

or keep only enough to supply them with meat and eggs for the table.

We have found medium-size flocks aren't too sound an investment. They produce enough surplus that it must be marketed, but not enough to really pay for the effort to do a good job. A flock of from 300 to 600 layers fits into a balanced farming program very well. With modern laborsaving know-how this many hens can be kept without involving a great deal of labor, yet enough eggs are produced so one is more than justified in doing a good job. You can afford to cool eggs as they should be cooled and market them several times each week.

There never has been a surplus of good eggs. It is the farm that produces only a small surplus that is most likely to put an inferior product on the market. As a result the more poor quality eggs marketed, the poorer is the price. This hurts everyone. Fortunately more folks are realizing that if they keep from 300 to 600 birds, and then really take care of them, they can make poultry very profitable.

Fewer breeds of chickens are being kept, and there is a tendency for more birds having solid colors to be reared. The present trend shows an increase in number of birds bred for white plumage color, and for white birds which will dominate when crossed with colored breeds. The reason for fewer breeds is poultrymen have preferred to specialize on good breeds that have proved profitable, and not raise chickens just because they were a rare breed or because they happened to like the color of their plumage.

Laborsaving methods such as use of deep litter, droppings pits, automatic waterers, overhead feed carriers, and compartment nests have greatly contributed to taking the drudgery out of poultry keeping, and for many have made it a real pleasure.

Coming Events

November 3—Osborne county, 4-H achievement banquet, Osborne.

November 3—Ellsworth county, Heart of Kansas All Breed Beef show, Ellsworth.

November 3-11—Miami county, 4-H achievement week, Paola.

November 5—Smith county, 4-H officers training school for all clubs in county.

November 5—Clark county agricultural extension council meeting, Ashland, 4-H building, 7:30 p. m.

November 5—Johnson county, rural life meeting, program: district officers school, Olathe.

November 6—Johnson county, family life meeting, program: safety, District 103 School.

November 6—Cherokee county, Margaret Burtis will conduct meeting for presidents of home demonstration units, county 4-H building, Columbus.

November 6—Cheyenne county, annual meeting Extension council; election of officers and executive board, Court House, St. Francis.

November 6—Shawnee county, adult leader training school, Topeka.

November 6—Mitchell county, shelter belt meeting with extension forester in county.

November 6—Mitchell county, Lulu and Asherville extension election, Asherville, 8 p. m.

November 7—Pottawatomie county, rural life district conference, Westmoreland.

November 7—Mitchell county, 4-H planning meeting, county-wide with John Hannah, Beloit.

November 7—Jefferson county, dairy artificial breeding membership meeting, Oskaloosa.

November 7—Morton county, Extension council meeting with Leonard Neff and Gladys Myers, KSC district agents, Elkhart.

November 7—Klowa county, 4-H achievement banquet, sponsored by Greensburg Rotary club, Greensburg Community Building.

November 8—Cherokee county, dairy herd improvement association district training meeting, Iola.

November 9—Osborne county, garden insect and diseases meeting, Osborne.

November 9—Graham county, housing tour with Vera Ellithorpe and Raymond Everson, KSC specialists.

November 10—Butler county, 4-H achievement banquet.

November 10—Edwards county outlook meeting—day meeting.

November 10—Shawnee county, 4-H officers training school, Topeka.

November 12—Smith county Extension Council annual meeting.

November 12—Barton county 4-H deferred steer show.

November 12—Labette county, all-day annual beef tour.

November 13—Dickinson county, 4-H achievement banquet, Steel Hall, Abilene.

November 13—Chase county, 4-H achievement banquet, sponsored by Chamber of Commerce, Cottonwood Falls.

November 13—Shawnee county-wide party.

November 14—Johnson county, rural life meeting, program: safety; place, Charlene Wiles.

November 14—Cherokee county, first annual meeting Cherokee Agricultural Extension Council, County 4-H Building, Columbus.

November 14—Cowley county, Unit and 4-H leaders training meeting, Winfield.

November 15—Miami county H.D.U. officers training school, Paola.

November 15—Labette county Farm Bureau annual meeting.

November 15—Bourbon county election of agricultural extension council board, Ft. Scott.

November 15—Jackson county 4-H Club achievement dinner, Holton.

November 15—Labette county, first meeting Extension council, 10 a. m. Annual meeting county Farm Bureau, 8 p. m.

November 15—Cherokee county, annual achievement day in Joplin, Mo., sponsored by Joplin Chamber of Commerce.

November 15—Mitchell county, 4-H planning meeting, county-wide, with Mary Elsie Border, Beloit.

November 16—Jackson county Extension council annual meeting, Helton.

November 16—Edwards county, Extension council meeting, Kinaley.

November 16—Mitchell county, first annual meeting Extension council, day meeting, Beloit.

Bite's Out



Pleasure's In

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... Prince Albert is made to give you more smoking enjoyment than any other tobacco! P. A. is specially treated to insure against tongue bite. Rich-tasting and mild... No wonder it's the big favorite with roll-your-own smokers and pipe smokers alike!

*Process patented July 30, 1907.

R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

MORE MEN SMOKE

Prince Albert

THAN ANY OTHER TOBACCO

THE NATIONAL JOY SMOKE

Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

BUILD

FASTER PASTURE

USE BEM BRAND Fertilizer



1 TEST YOUR SOIL—The County Agent's soil testing lab can tell you what your soil needs to grow better pastures.



2 CHECK LOCAL AGENCIES—Your PMA and SCS can help you plan and finance pasture improvements.



3 SEE YOUR BEM BRAND DEALER—for the grades of BEM BRAND FERTILIZER to fill the testing lab's recommendations for building up your pasture land's fertility.



4 FEED YOUR SOIL—with this BONUS fertilizer. It contains Calcium, Sulphur and OTHER essential nutrients besides the Nitrogen, Phosphate and Potash guaranteed on the tag.



5 MAINTAIN FERTILITY—by setting up a year 'round soil feeding program. BEM BRAND FERTILIZER can keep your land producing fast-growing, money-making pastures or crops.



BULLETIN BOARD

FREE FERTILIZER HANDBOOK

NEW 28-page booklet. Write for information Dept. Thurston Chemical Co., Joplin, Mo.

LISTEN TO YOUR FARM AND OURS with Jim Leathers Monday thru Saturday at 2:15 A.M. over KMSB-9FM.

THURSTON CHEMICAL COMPANY

Donna Goes to France

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this year. Here is the seventh one from Donna Cowan, of Emporia, who has gone to France.



Donna Cowan

DEAR MR. GILKESON: A good way to get acquainted with a house is to clean it from top to bottom. I just got thru sweeping and dusting the 7 rooms, bathroom, 2 halls and 2 flights of stairs of the Meric home, while Josette, my 21-year-old French sister, did the Monday morning washing.

The washhouse is in a long, shedlike wing branching off at the right side of the house. In this wing there's a room where the bicycles are kept (at least 4), a shower room that almost everybody who works here and their children use, the laundry room, a tool room, all in a long line with lemon trees, bougainvillea and dahlias in front. The laundry room consists of 2 big tubs built-in and a little washing machine about the size of a big pressure cooker that rests on a bench. A washboard is more satisfactory than the machine so we use it, aided with a big square cake of yellow soap and hot water from the faucet in the room.

A Typical Breakfast

Inside I first cleared the breakfast table. Altho many French people take only coffee and hot milk with bread and butter in the morning, here they have meat, fish, cheese and bread for breakfast. When they first get up they have a cup of black coffee with sugar, then eat an hour or two later. Big, long loaves of bread are placed in a wicker basket on the table and it seems like everybody eats almost a whole loaf at each meal. The big pieces of crusty bread are placed on the tablecloth at the left side of the plate and little pieces are broken off all during the meal. The 2 married sons who have their houses on the farm always come here to have breakfast with their father.

There's a big push broom for sweeping the dining room. It gets used after almost every meal. A long table, wicker bottom chairs, 2 buffets, a piano and a sewing machine furnish the dining room.

On one side of the entrance hall is the dining room and on the other side is the "bureau" or office, furnished with a big desk, bookcases, and 2 big, leather easy chairs which make the room double as a sitting room. At the end of the hall is the stairway and at the right the "cuisine" kitchen. A small sink, cupboard, coal stove, table, gas (butagay) stove, and an electric stove furnish the cuisine. In the hall is a small electric refrigerator and the doors to the pantry.

Upstairs are 4 bedrooms. The bathroom is as big as a bedroom. On the third floor is the attic storeroom. A melon is grown here that can be kept all winter in the attic, so there are lots of melons upstairs. It's fun to start at the top of the house and dust all the way down the stairs. The floors are all a reddish tile.

Garden a Busy Place

Different kinds of work are always going on in the gardens. Some of the women are still picking in the green bean patch that I was working in several days a couple of weeks ago. Also this week while Josette and I were pulling weeds in the anemone flower bed we could see them setting out lettuce plants in the adjoining field. Earlier we had prepared the plants to be set out, clipping short the leaves and roots.

But the most important work we've just finished was planting the fields of iris and tulips. We drove in the truck to Ollioules, a flower village just the other side of Toulon, to get the bulbs. And I found there really is a reason

that it's called a flower village. Everywhere there are little farms full of fields of all kinds of flowers. We visited one specialized flower farm and saw squares and squares of white, pink and deep red carnations, tall chrysanthemums with inch-wide buds just ready to open, orange calendulas, and green gladioli with red orange blossoms. Against one of the stone garden walls, big pears were on trees growing like vines.

At the seed house the tulip and iris bulbs were loaded on the Meric truck. Most bulbs are imported from Holland.

The iris we set out in a field across the road from the green beans. In front of the house we planted the red and

white tulip bulbs. When the flowers bloom they will be shipped to Paris markets.

The Var is rich in natural beauty. The Merics drove me to see the Gorges du Verdon, a magnificent canyon at the beginning of the Alps. The Verdon river is very green, and when one looks down on it in the valley it has cut thru the rock of the mountains, its color, and seeming tininess in the distance contrasted with the massiveness of the mountains, are breathtaking. It took us less than 4 hours to arrive there from here at the sea's edge. At noon we had a picnic dinner in a green spot close to a big spring that continually gushed lots of icy water. In the afternoon we drove to the village of Les Taillades in Vaucluse.

It's a Small World

Before I left Lyon county, Monsieur Baron, a French friend who lives near Saffordville, gave me the address of his mother and sister who live in Provence, and told me if I was in the region, perhaps I could see them. And sure enough, I've had the luck to be living in Provence and I was able to visit the relatives at Les Taillades. The granddaughter was a French war bride and lives on a farm in Chase county, Kansas, and I knew the family thru my work in the French language at school. It was so nice to see relatives of friends at home, and we had a good visit. They had a big map of Kansas, and I showed them how close Emporia is to Saffordville, and told them that I'd been to the farm where the Barons live in Kansas. They invited me to stay several days with them but I couldn't because I'll very soon be leaving France. It just proves we have neighbors all over the world, good neighbors. As a friend in the Somme in northern France where I lived the first 2 months said (only in French), "After all, an ocean is a very small thing, no obstacle for friendship."

—Donna Cowan.

Warren Goes to Switzerland

Remember, Kansas Farmer promised to bring you letters from our 2 Kansas 4-H'ers who are spending some time on European farms this year. Here is the eighth one from Warren Prawl, of Severance, who has gone to Switzerland.



Warren Prawl

DEAR MR. GILKESON: Leaving Switzerland. It will be nice to be on our way home, but we do hate to leave this wonderful country. Now the leaves are turning with the first heavy frost about 2 weeks ago. Softwoods are mixed with hardwoods in forests, and the dark green with multi-colored, yellow, brown and orange colors intermixed presents a panorama of beauty. With all this, plus dark green meadows and snow-capped mountains, the scenery is at its best.

For the last 2 weeks weather has been nice but very hazy. The sun has not shone more than 24 hours in that time. Last Thursday morning the temperature was 3 degrees below zero on the centigrade thermometer or approximately 28 degrees F. Cold but nice weather to work.

Last week end 2 of the girls (IFYE's) and I visited Stuttgart, Germany, as visitors of a German youth meeting. These youth had all lived in America for one year. They had lived on farms and attended school. Most had attended several 4-H activities and many had taken FFA in high school. One girl had even been given permission to take FFA. This was in New Jersey. There were 135 youth at this meeting. Six had been in Kansas during 1950 and 1951 and here their business was organizing. Most had made efforts to organize the youth of Germany into clubs fashioned after our 4-H Clubs but they had run into many obstacles.

Remember Hitler Youth Clubs

One, and most important, was no co-operation from parents and sometimes even opposition. The trouble being they disliked all organizations, for they well remember Hitler and his youth clubs. Another big problem is meeting places and leaders. These youth are all between 18 and 22 years old, and they need and must have adult help and leadership. The ECA and GYA (German youth activities), both functions of the allied occupation, lend some assistance and take charge of the huge job of getting these youth to the states and back, but they do not have the personnel or money to help very much. I forgot to mention this movement is

sponsored by the "Brethren Association," Farm Bureau, National Grange, Catholic Youth Assistance program and several others. It is a grand job they are doing.

Several things I learned in Germany worth mentioning are herewith noted:

I. All Western Germany fears communism but they all say Russia will not start a war for 10 years, but they will. They told me Russia has waited too long.

II. We made a terrific blunder when we stopped our troops from advancing on to Berlin and past during the war. They say we should not have stopped and waited for the Russians.

III. The Germans dislike our soldiers (occupation soldiers) very much for their attitude is this: We are the victors, move over and give us room. A very arrogant manner.

IV. They dislike us very much because we destroyed their cities by our large bombing raids. They say, "Why cripple us so when the war would have lasted only a year or year and a half longer?" That makes me mad and I replied, "Look what you did to England, and think of the men saved, both ours and yours."

V. The youth all loved America and would love to go back and live the rest of their lives (several have gone back).

(Continued on Page 15)

New Leaflet

Apples are so plentiful this season and so good. Want a 20-page recipe pamphlet just off the press? It is entitled, "Apples in Appealing Ways," and may be ordered thru Kansas Farmer's Bulletin Service. Two pages list varieties of apples giving some practical information and the other pages each contain 2 or 3 recipes. When ordering, please include 10c, the price charged by the USDA.



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Last Thursday morning I left "Bally Farm" and headed for Rome. On the way I visited 3 hours on my first farm where all were very glad to see me. I was to meet the 3 girls in Bellinzona and go to Rome with them, but my train was late and just as it pulled in the train for Rome pulled out. Boy, was I disgusted! Luckily I got another train 1½ hours later. Traveled all night and arrived in Rome at 10 a. m. Friday morning. Waiting there were 2 IFYE's from Turkey, 2 from Italy and the 3 girls from Switzerland. Spending Friday and Saturday in Rome we went on 3 tours (very inexpensive). We saw the ancient Roman Forum, St. Peter's Church, the Catacombs where Christians were buried in secret during the early days after Christ, the Coliseum, many art galleries and many other wonderful sights. The age of ancient Rome and the remaining buildings or bits of buildings is difficult to realize. Two thousand years old with some dating back to 5 and 6 centuries B. C.

Saturday night we left for Interlaken to spend a day. I visited some friends of Stanley Meinen, he had lived on their farm when he was here as an IFYE in 1949. In 2 hours I saw the little valley from a ski lift that went high into the mountains. A wonderful view of another of the thousands of valleys in Switzerland.

Save Daylight Hours

We are traveling at night so we can have more time to see the sights of Europe. Thursday, Saturday and Sunday nights we spent on the train trying to catch a little sleep. When we reach London Saturday night we will be a tired but happy group. The 2 delegates to Italy and our 4 Swiss delegates are traveling together. Loads of fun.

Monday night we left for Heidelberg, Germany, where we were to observe more of the work being done by German youth. We stayed in homes of Americans who are helping with the movement, Army and civilian.

I already have mentioned the work done by GYA and it is a tremendous job they have before them and with very little money. The American soldier helps with his spare time and his spare money. The leaders realize they must get the youth started on the right track, for they can do nothing with the older generation.

Tuesday evening we attended a German rural youth meeting. We felt very much at ease and took part in their activities as it was strictly a social meeting. They did nothing special and for this we were glad for we wanted to see exactly how it was.

At 5:56 a. m. this morning (Wednesday) we caught a train from Heidelberg to Mainz and hence from Mainz up the Rhine river on a small boat. Very old castles stood out as landmarks from medieval times and the vineyards present a beautiful view.

Visit a Cheese Cellar

This cheese cellar is high in the mountains near Vevey. The mountain farmers made their cheese high in the mountains and brought it here to age. This is a co-operative cellar. Very damp and chilly with an odor of salt, for every day the cheeses are bathed with salt water and turned over. This is not Emmental cheese but Gueyere cheese. Good but can not approach Emmental for taste.

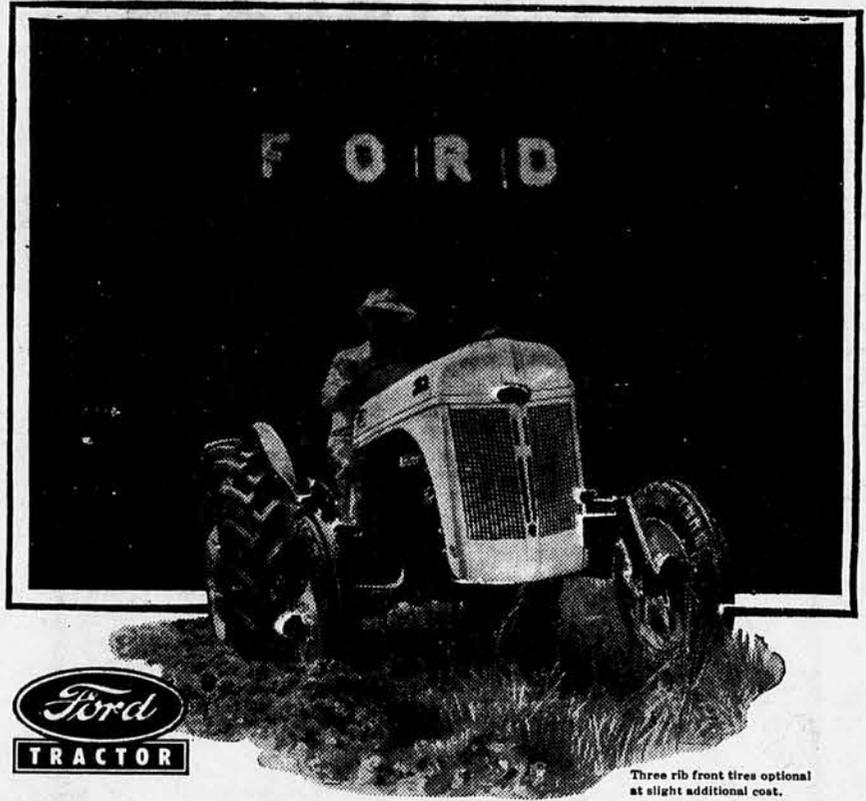
The stucco house is a typical house of the southern part of Switzerland (Ticino). Usually hollow tile walls with plaster and tile roofs. Many of the mountain dwellings are built entirely of stone with cement filling the cracks and a stone roof made waterproof by overlapping the stones like shingles.

The wooden house is typical of northern Switzerland with an overhanging roof with balconies. Usually quite large. On the balconies you can see a line for drying clothes.

In all these houses the stables for the cows and pigs and horses are on the ground floor. Sometimes occupying all and sometimes a portion of the floor.

Perhaps we will never get a chance to visit Switzerland or Europe again, but there will always be a soft spot in our heart for the people and country.

I will add this little bit of information. There are 5 IFYE's from Kansas in Europe, 2 in France (Donna Cowan and Carol Jean Blackhull), Dorothy Vanskike in England, Betty Jo Elliott in Holland and myself. We are returning to tell people of our experiences and what we have learned. If anyone cares to hear a lecture on Europe, contact the State 4-H Club Office, J. Harold Johnson. —Warren Prawl.



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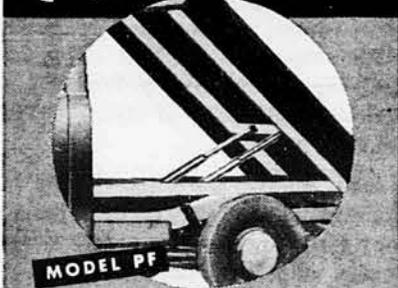
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Quicker and Larger Gains By Feeding Aureomycin

By STEPHEN B. BROMLEY

This is the second of 2 articles by Mr. Bromley, of Lederle Laboratories, about the "golden wonder drug." First one appeared in your October 20, 1951, issue of Kansas Farmer on page 14. No doubt you will wish to save both articles for future reference.—R. H. G.

THE feed industry saw more astounding advances in 1950 than it did in many previous decades. Most important of these advances was discovery and commercial use of aureomycin and the antibiotics as supplements for feeding farm animals and poultry.

There can be no doubt now of the effectiveness of antibiotics in feeding. Previously, the nutritionist had worked with vitamins and other factors which have always been present, in varying amounts, in ingredients used in feeds. But antibiotics had never been naturally present in feedstuff ingredients, and it was less than a year ago a commercial by-product from aureomycin, the "golden wonder drug," was offered to feed manufacturers. This was the first of the antibiotics used in feed supplements and results were both startling and immediate.

Feeders Will Profit

When these results were found to be due to aureomycin, the nutritionist was given a new and powerful material with which to improve the performance of feeds. This year is seeing extensive use of antibiotics in most commercial feeds, and feeders will profit greatly from the more rapid gains and greater efficiency of feeds which are specially formulated to utilize these antibiotics.

Altho vitamin B₁₂ was isolated in 1948, it has been readily available in commercial quantities only a little more than a year.

Essential in feeds, its importance is secondary to antibiotics because successful diets have always contained vitamin B₁₂ from natural materials, such as fish products and meat meal. Use of vitamin B₁₂ supplements enables the commercial feed manufacturer to standardize his product. Vitamin B₁₂ extends the nation's limited supplies of animal protein by enabling more effective use of the vegetable proteins, such as soybean oil meal, and seems to reduce the requirement for certain vitamins and amino acids.

In 1949, materials known as APF (animal protein factor) supplements were introduced in formula feeds. It was known that vitamin B₁₂ was an active factor in these materials, but aureomycin fermentation products

showed additional growth stimulation over that which could be obtained by the vitamin. In March, 1950, Lederle investigators announced that aureomycin was itself a growth factor. During the year it was shown that antibiotics and vitamin B₁₂ were the 2 important factors in APF.

Of the hundreds of antibiotics which have been discovered, only a few have been found to produce outstanding results. Some antibiotics give different results with different animals or rations, while others give uniform response under a wide variety of conditions.

Recent comparison tests of antibiotics in animal food have shown that aureomycin-supplemented feeds produce quicker and larger gains in pigs. Penicillin, streptomycin, and aureomycin were used in experiments by Dr. T. J. Cunha at the University of Florida. Pigs receiving aureomycin gained an average of 1.63 pounds a day for the 52-day period as compared to .91 pounds for streptomycin.

Those fed penicillin for the same period gained only .62 and .68 pounds a day. All pigs received a basic diet of corn and peanut meal, and they averaged 28 pounds at the start of the tests.

Made Steady Gain

Pigs on aureomycin displayed a steady gain, depending upon amounts they received. The lot given 1/2 of 1 per cent of a crude supplement containing the drug gained 1.20 pounds a day; the lot on 1 per cent of the supplement jumped to 1.51 pounds a day, and the lot on 45 milligrams of aureomycin per pound of ration showed a gain of 1.63 pounds.

Aureomycin led from the start of the experiment. At 17 days, pigs that received this antibiotic gained 1.50 pounds per day while those on streptomycin gained 1.13 pounds. Penicillin caused daily gains of .68 and .92 pounds during the same period.

Catron and others at Iowa State College reported addition of a dried whole aureomycin mash increased daily gains of growing-fattening pigs; whereas, addition of meat and bone scrap did not significantly increase gains. Also, either aureomycin or other factors present in the dried whole unextracted aureomycin mash helped control diarrhea.

Bowland and co-workers at the University of Alberta obtained only slightly increased gains and feed efficiency on hogs with a vitamin B₁₂ supplement; whereas, addition of aureomycin concentrate resulted in over 25 per cent

(Continued on Page 17)

GRANDMA . . . By Charles Kuhn



increase in rate of gain, a marked increase in efficiency of gain from weaning to market weight.

Addition of aureomycin to hog feeds was investigated by Brown and Luther at Arenal Farms. They found growth responses up to 40 per cent over practical rations not containing antibiotics. Their studies indicated rapid losses of penicillin antibiotics activity in the high moisture content of mixed feeds.

Carpenter of Hormel Institute found the weaning weight of pigs averaged 11 pounds greater when sows were fed aureomycin during gestation and lactation and pigs on creep feed.

Heidebrecht at Oklahoma A & M College indicated a concentrate containing aureomycin afforded considerable protection to sows and pigs exposed to an infectious type of enteritis. Terrill and Krider at Illinois found addition of aureomycin resulted in 28 per cent quicker gains in pigs on dry lot from weaning to 75 pounds weight.

Cravens of Wisconsin at the Wisconsin Nutrition School for Feed Men stated the addition of antibiotics to chicken rations resulted in about 10 per cent increase in growth, while about a 20 per cent increase in growth was obtained in turkeys.

Turkey poults gained 1/2 pound more in 8 weeks on a diet containing aureomycin and vitamin B₁₂ than others that received only B₁₂ in their feed, according to recent trials conducted by S. J. Slinger, Ontario Agricultural College.

Doctor Slinger's experiments showed that 23 poults on an aureomycin diet weighed an average of 4.27 pounds at the end of 8 weeks, as compared to an average of 3.77 pounds for 23 birds having feed supplemented only with vitamin B₁₂. Twenty-three birds that received an all-vegetable diet with no supplement weighed only 2.95 pounds at the end of 8 weeks.

In other experiments by Doctor Slinger, 23 poults on an animal protein basal diet averaged 3.94 pounds at the end of the 8-week period while those that received aureomycin and B₁₂ weighed 4.29 pounds. Poults on an animal protein basal diet plus B₁₂ averaged only 3.87 pounds.

Doctor Slinger discontinued supplements after 8 weeks and placed all birds on a growing diet. Those that had

been started on aureomycin weighed more at the end of 12 weeks than the others. The ones that received aureomycin during the first 8 weeks averaged 7.9 and 7.8 pounds at 12 weeks while the heaviest of the other groups weighed 7.5 pounds. Birds on the all-vegetable diet weighed only 6.5 pounds at the end of 12 weeks.

Birds on aureomycin gained 1 pound for every 2.4 pounds of feed, while it took 3.6 pounds of feed for 1 pound of gain among birds on the all-vegetable diet. The other groups required 2.6 and 2.7 pounds of feed for a pound of gain.

McGinnis and co-workers at Washington State College found aureomycin and streptomycin gave a significant increase in growth of chicks over that obtained with vitamin B₁₂. Aureomycin gave a marked increase in growth of turkey poults. In another test on a high energy fryer ration they found growth response with all soybean oil meal protein and aureomycin concentrate was equivalent to the same ration containing 6.8 per cent herring fish meal without the aureomycin. Much additional work on antibiotics for poultry is in progress.

Used With Calves

Antibiotics have been used with great success in feeding young calves. Loosli and Wallace at Cornell found that either a crude aureomycin-B₁₂ feed supplement or crystalline aureomycin increased growth rate of dairy calves, and reduced scours. Rusoff at Louisiana Agricultural Experiment Station found that vitamin B₁₂ supplements were without effect on growth of young dairy calves, while an aureomycin concentrate gave greater gains. The smoother hair and sleek, solid muscular appearance of calves on aureomycin were outstanding. Bartley at the Kansas Formula Feed Conference reported that aureomycin reduced scours in young calves and increased feed efficiency. Similar results have been reported by Jacobson at Iowa State.

The extensive research and investigation now in progress is ushering in a new era in feeding. Sound nutritional practices combined with improved breeding and good management will mean greater returns to farmers and to the entire agricultural economy.

Arasan Seed Treatment Boosts Forage Crop Yields

WANT to know how to get an additional \$20 worth of hay per acre for a 20-cents-an-acre investment? Want to read some "forage crop insurance" facts? This last summer, portions of pasture and hay land on 72 farm fields in 19 states were turned into practical experimental laboratories. According to the Du Pont Company, tests were set up thru co-operation with seed dealers. Farm operators who ordered seed for spring sowing were contacted. They were asked to plant treated seed on some of their field, untreated on the other part.

Results show more livestock feed per acre may be expected when a new chemical treatment is applied to grass and legume seed to protect it against seed-borne and soil-borne disease organisms. Averages of tests show a healthy increase in plant stands in favor of treated seed.

The "Arasan" coating on seed serves as a chemical "overcoat" to protect the tiny plant embryo from invasion by fungus diseases such as seed rot, seedling blight and damping-off. The Ara-

san chemical is toxic to these disease organisms, yet harmless to the seed itself. This new seed disinfectant does not injure tiny seeds of grasses and legumes.

There were outstanding results in the 1951 tests. In one Illinois field, treated alfalfa seed produced 137 per cent more plants than untreated seed. In the same state, there was a 134 per cent increase with treated alfalfa-clover mixture. In Indiana, there was a 138 per cent increase in Sudan grass, and a 43 per cent increase in red clover.

But increased stands isn't the full story of proper seed treatment. Other results are larger, healthier plants, with more vigorous root systems. This enables plants to make better regrowth after mowing or grazing. In the end, there is more production per acre at a cost of about a cent per pound of seed!

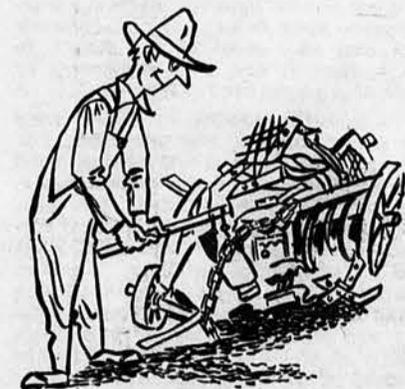
Treated seed is now available thru several seed companies. Also, a grower can purchase "Arasan" seed disinfectant and treat seed right on the farm. Or he can have seed treated by a local seed cleaning and processing plant.

Announce New ACP for State

The 1952 Agricultural Conservation Program has been announced. It emphasizes conservation for production, as well as protection of the nation's soil and water resources. The Kansas PMA committee, Manhattan, says the 1952 ACP assistance to individuals will be on a share-the-cost basis for practices approved by PMA community and county committee, as in other years.

Included in the 1952 ACP activities are such practices as seeding grasses and legumes to protect soil against erosion and to restore organic matter and fertility to soil; establishing cover crops; applying lime and fertilizers to encourage growth of grasses and legumes; planting and maintaining farm woodlots as protection against erosion; construction of dams and terraces to check run-off and hold topsoil on the farm; leveling of land and drainage.

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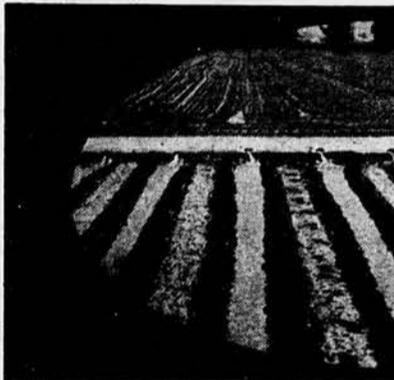


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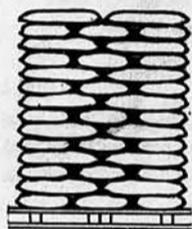


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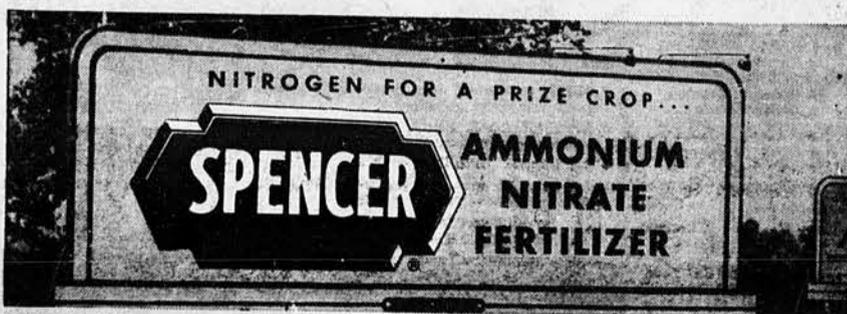
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Thoughts TO LIVE BY

"God"

SOME people deny God. Others ignore him. His name to some people is too sacred to mention. Others take his name only in vain. To an immature mind, he is "an oblong blur" or like old "Rev. Smith." To the scientist, he is the first cause, and to the materialist, he is a figment of the imagination. Amos pictures him as a policeman and judge. Hosea portrays him as a broken-hearted lover who is faithful in spite of the infidelity of his spouse. He is many things to many people, but to the Christian, he is "the God and father of our Lord Jesus Christ."

Altho his name may be the forgotten word to many in our generation, it is a word that is never irrevocably lost. Man must have someone to thank when the heart is grateful, someone to turn to when the need is acute, and someone from whom to seek forgiveness when the burden of guilt becomes heavy.

Many of the thought patterns pertaining to God have been shattered. While some people rediscover him as being greater than their outworn conceptions; others try to discard him with their inadequate ideas.

Regardless of how we treat him, God goes on. But when we fail to regard him aright, we do not go on. Denying or ignoring him doesn't destroy him. It just hurts him because he loves us so. But denying and ignoring him are both destructive to man. Without God, man has no significant value, and unless the value

of the individual is assumed, the foundation of democracy is destroyed. It is not by accident that the totalitarian state attempts to eliminate God from the thinking of the people. As long as he lives in their minds, there is the danger that people will think of themselves as important, and try to gain their freedom.

Ignoring God brings about the same practical results as denying him. Therefore, it behooves every believer to make his witness count. Man either works with God for liberty or he drifts alone toward bondage. Alone? No, not alone, for he drags others with him.

In a more personal way, God is helping his children. His power sustains them, his presence is the fullness of joy, and his love makes life livable. He is not an oriental potentate to be approached with fear and trembling, but the Spirit of truth and good will that abides in the hearts of men.

This is his universe. He has worked on it for uncounted centuries banishing darkness with light, and bringing order out of chaos. God is the available partner of all who would do right. He is more concerned about the victory of virtue than is the most ardent reformer. So able is he that we can cast our discouragement, our weakness, and our cares upon him. He asks no one to worry, but all to yield to the coming of his Kingdom. In fact, the way to stop worrying is to remember the lost word—God. It is the password into life.

—Larry Schwarz

The Thin Man

By CHARLES H. LERRICO, M. D.

THE individual with the worried look tinkering with the weighing machine may not be overweight at all—perhaps quite the contrary. For the lean person, there are many arguments that favor increasing weight. Perhaps the best is that it gives reserve tissue which makes one better able to stand the strain of life—better fitted to resist infection. If below normal, check up on the following:

1. Is it a family tendency?
2. Have you had a recent illness?
3. Are you getting sufficient sleep?
4. Symptoms of chronic indigestion.
5. Hasty, ill-considered meals.

Possibly you know that family tendencies, combined with your natural build, may make it normal for you to be small and spare. If you enjoy good health, strength sufficient to make work a pleasure, sound sleep, ability to participate in life's activities, you need nothing more.

Don't forget that sleep is important. If you do not get 7 or 8 hours sound sleep every night, why not? Perhaps you need a better bed. Study good sleeping habits such as proper hour for retiring, amount of bedding, ventilation of room. Dismiss worry. Cultivate serenity. Do not continue the day's work until "tired to death."

Remember every serious illness needs time for convalescence. Don't go back to work too soon. Build up with extra meals, perhaps a midmorning and afternoon extra lunch. Consider taking cod-liver oil or vitamins A, B and D.

Chronic disease such as tuberculosis, Bright's disease, diabetes, cancer, pernicious anemia and other serious ailments may show their first symptoms by loss of weight. But other ailments, readily curable, that cause annoyance and distress may also keep you thin. Such matters as piles, sinus infection, abscessed teeth, ingrowing toenails, things easily corrected, you must take time to go to a good M.D.

What to Do: Food should be well-chosen, well prepared, served in quiet and comfort. The diner should give his attention to the meal. If very tired he should rest before eating. A good wash in hot soapsuds helps the working man in his preparation. Hunger is the best sauce; yet all of the proper settings for a meal are important. Five smaller meals are often better to build tissue than 3 large ones. One with slow digestion must cut down the fats and make more of the carbohydrates. Foods rich in fat are whole milk, cream, butter, cream cheese, egg yolk, meat fats, nuts, vegetable oils and fats, and chocolate. The carbohydrates, which also make fat, are bread of all kinds, oatmeal, potatoes, beans and like legumes, tapioca, cornstarch, arrowroot and most of the prepared cereals. They digest more quickly than fats. The only one who can say whether you need medicine is your physician. Cod-liver oil and vitamins can do no harm and may be of great value.

No Need to Worry

What does it indicate when my temperature runs below normal, between 95.4 and 98.6 most of the time? Is there danger, and is it necessary to consult a physician?—Mrs. J. C.

Temperatures taken by mouth vary for many reasons. For one thing, the patient may have been taking food shortly before using the thermometer, which is likely to increase the temperature. Taking your own temperature is a simple matter but don't let it add to your apprehensions. Another consideration is that temperatures taken in early morning by mouth usually are one degree lower than those taken in the evening. The reliable method of taking temperatures is by rectum, and I think I would not pay much attention to a subnormal temperature taken by mouth unless accompanied by obviously serious symptoms of illness.

Marketing Viewpoint

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

What is the cattle feeding situation this fall? Will more cattle be fed this winter than last?—J. M.

Latest official estimate of total number of cattle on feed was July 1 when it was estimated 9 per cent fewer cattle were on feed than a year earlier. Since July 1, the number of cattle moved into feeding areas appears to have been larger than a year earlier. Shipments of stocker and feeder cattle into 8 Corn Belt states during July, August and September were 17 per cent larger than during those months last year. Shipments of stockers and feeders from the 5 leading stocker and feeder markets during the first 2 weeks of October were 7½ per cent larger than a year earlier. So, it appears there will be large numbers of cattle fed this winter.

While making no estimate of actual numbers on feed on October 1, the Bureau of Agricultural Economics reported that "Developments in the cattle-feeding situation to the end of September indicate that the number of cattle to be fed this season may be as large or larger than last year. Large feed-grain supplies, together with a new corn crop that is the fifth largest on record, assures a high level of feeding this fall and winter."

For the 3 states—Illinois, Iowa and Nebraska—estimates of the number on feed are available. These estimates show 2 per cent more cattle were on feed on October 1 than a year earlier.

Since a lot of feed grains will be purchased this year, how can I tell whether corn or milo is the better buy for fattening beef cattle?—B. B.

Assuming you have a choice between good-quality corn and good-quality milo, the milo is worth from 90 to 95 per cent of the value of corn on a per-pound basis for fattening beef cattle. In order to convert this to a per-bushel and per-hundredweight basis (as this is the way prices usually are quoted), we multiply the price of corn per bushel by 1.642 and the product will be the comparable value of milo per hundredweight. Or, if you multiply the price of milo per hundredweight by .609 the product will be the comparable value of corn. This comparison must be between whole corn and ground milo.

What do you expect the trend to be in the manufactured milk markets during November?—E. B.

Manufacturing-milk markets probably will show little change in prices. Non-fat dry-milk markets have been steady with Eastern prices averaging below Midwest prices due to OPS regulations. Considerable quantities of dry milk are being sold to the government under the price-support program.

Evaporated-milk markets probably will remain steady as production has been sharply reduced and burdensome inventories are beginning to decline.

Butter markets likely will remain steady with some tendency for price advances with storage stocks increases.

List Precautions In Corn-Picker Use

E. L. McClelland, Washington county agent, lists these precautions to follow when operating a corn picker, which racks up tremendous tolls in the fall: (1) Stop tractor engine when adjusting or cleaning picker; (2) disengage tractor clutch before placing power take-off in or out of gear; (3) avoid excessive travel speeds; (4) travel in same direction as corn was last cultivated, and (5) tighten slip clutches only after close inspection shows that parts or not binding or clogged.

Hens Like Pelleted Oat Hull Mash

If fed in pellet form, a mash containing a high percentage of oat hulls does not seriously affect egg production of laying hens. Recent tests by the U. S. Department of Agriculture show when mash is not pelleted, the same feed will cause a serious drop in egg production. Pelleting mash reduces the bulk so as to permit hens to eat enough to maintain egg production with only slight loss of weight.



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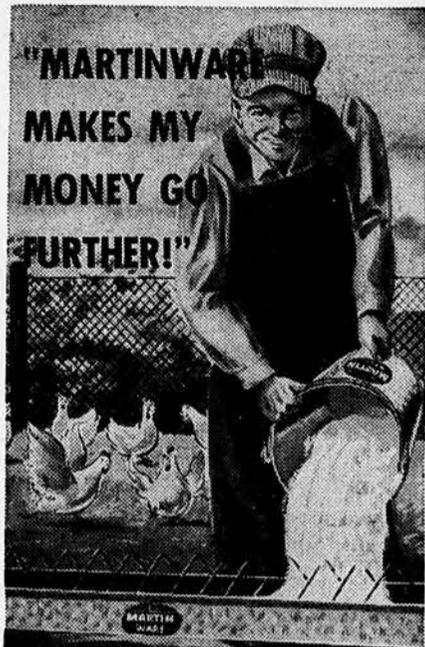
You'll find your new equipment stays new longer—your old equipment runs better—when you deal with your Mobilgas-Mobiloil Man! He offers you top-quality products—endorsed by 72 leading farm machinery builders; helps with maintenance; the correct lubricant for every part; delivers to your door. Get Mobil Farm Lubrication!

MOBIL OIL—a heavy-duty motor oil, provides triple-action for Peak Protection . . . Full Power . . . Economical Operation!

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The Greenbug— Pest of Wheat Crop

GREENBUGS are back again! These insects were present this fall in some parts of Kansas on volunteer and early-planted wheat. But in Northwest Kansas there is very little evidence of greenbugs. Ordinarily presence of the pests in fall is not an occasion for alarm. The greenbug has overwintered in Kansas during only 3 or 4 years among the last 25 years. It has overwintered, however, in southern areas of the state the last 2 years. In 1948 greenbugs destroyed an estimated 15 million bushels of Kansas wheat.

Dr. R. H. Painter, Kansas State College entomologist, recently returned from a trip over the state. He says presence of the insect is again an argument against too early planting of wheat. Also, it stresses the importance of the destruction of volunteer wheat. Most years greenbugs pass their winters in Texas and Oklahoma.

There are several common misstatements made about the insect, says Doctor Painter. The greenbug is only one of about 12 different kinds of aphids that may be collected on wheat, altho it is by far the most destructive species. In addition to feeding on wheat, greenbugs feed on oats and barley. Rarely do they feed on sorghum, or corn, and never on alfalfa.

The greenbug does not cause mosaic in wheat. Also, there has not been any satisfactory evidence the greenbug carries from plant to plant the organism which causes mosaic. Greenbugs and wheat mosaic are 2 separate hazards to the production of wheat in Kansas and must be studied separately.

Greenbugs usually will increase most rapidly on southern slopes or in places in the field where the stand of wheat is thin and where the ground warms up more quickly than elsewhere. In spring, characteristic reddish-brown dead spots occur in fields, and the insect

can be found on wheat around these spots. Colonies of greenbugs cause yellow spots to appear where they feed on leaves of small grains.

An outbreak of greenbugs is most likely to occur in spring if a mild winter is followed by a cool, dry spring. The insect is able to reproduce at a lower temperature than other insects, particularly the lady beetles and small wasp-like parasites which feed on aphids. Since lady beetles are in abundance there is little damage expected by greenbugs this fall.

Parathion spray has given better control of greenbugs than was previously possible. There is much to be learned yet about the insect and its control.

Research entomologists at the Experiment Station at Manhattan and the Garden City Branch Station will appreciate being informed of any local abundance of greenbugs or other insects.

Weber Serves on Feed Committee

Dr. A. D. "Dad" Weber, associate dean of agriculture at Kansas State College, has been chosen to serve on a nation-wide committee to appraise the livestock feed supply. He and 22 other college men were named by the American Feed Manufacturers' Association. The committee met recently in Chicago. Their estimates on feed requirements for U. S. livestock and poultry will reflect production trends for meat, milk and eggs for the next 12 months.

More Fertilizer Used

Kansas farmers are rapidly using more and more fertilizers. Dr. Harold E. Myers, head of Kansas State College agronomy department, commented at a recent meeting of 300 farmers and farm co-operative leaders at Manhattan that Kansans will use about 200,000 tons of commercial fertilizer in 1951

Kills Brush and Weeds

To answer inquiries we often receive regarding brush and weed killers, we have on hand 2 excellent little pamphlets—"Recommendations for Agricultural Use of Weedone," and "Use of Weedone Brush Killer 32." Send 2c for postage to Farm Service Editor, Kansas Farmer, Topeka, and your order will be given prompt attention.

compared with only 1,199 tons in 1931. Doctor Myers stresses that use of commercial fertilizers must go along with other approved practices for maximum farm benefits.

State Ag Council Elects Wayne Rogler

Wayne Rogler, Matfield Green, has been elected president of the Kansas Agricultural Council on Research and Education. Other new officers are Walter Pierce, Hutchinson, vice-president, and Harry S. Mueller, Wichita, secretary-treasurer.

The council is made up of representatives of agricultural groups in the state. It was formed to keep those groups and Kansans informed on developments at Kansas State College, and to interpret college programs.

Protect Small Trees

Protection should be offered now to small fruit trees and young trees on the farm from rabbit injury. Mechanical barriers such as wire or heavy paper placed around the tree will reduce injury, comments R. W. Campbell, Kansas State College horticulturist.

Or a chemical repellent which has been effective and is easy to mix and apply might be a better method, he says. "A pound of powdered rosin dissolved in a pint of denatured alcohol mixed cold may be painted on the tree trunks after leaves have fallen."



A CONCRETE BARNYARD

**helps you raise more beef
with less feed and labor**

Many farmers are paving their feed lots with concrete as a means of increasing their profits on beef and pork production. A concrete paved lot saves feed and labor—leaves more feed for pigs following cattle—saves manure.

Authorities say a concrete feed lot is worth \$7 a head per year in direct savings.

A concrete pavement will last a lifetime, and the cost is surprisingly low. If you need help, get in touch with your concrete contractor, ready-mixed concrete producer or building material dealer.

Write for free booklet on feeding floors and barnyard pavements, or other lasting concrete improvements.

Paste coupon on penny postal and mail today

PORTLAND CEMENT ASSOCIATION
1627 Dierks Bldg., Kansas City 6, Mo.

Yes, I am interested in paving my barnyard or feed lot. Send booklet. Also "how to build" booklets on improvements checked:

<input type="checkbox"/> Milk house	<input type="checkbox"/> Granary	<input type="checkbox"/> Poultry house floor
<input type="checkbox"/> Manure pit	<input type="checkbox"/> Dairy barn floor	<input type="checkbox"/> Water tanks, troughs

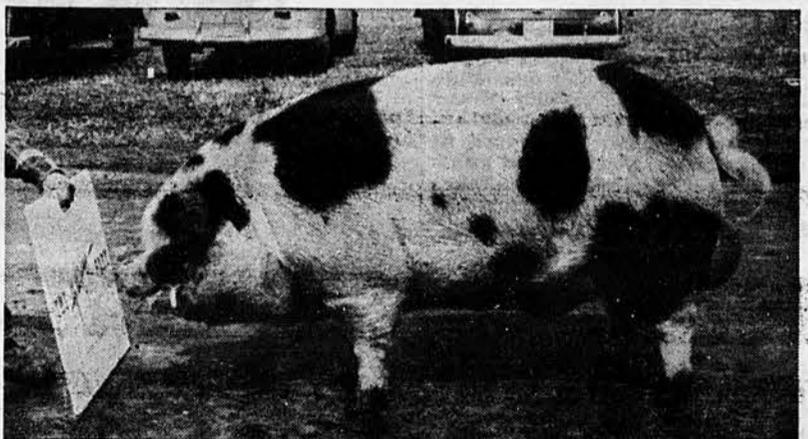
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Grand Champion Entry



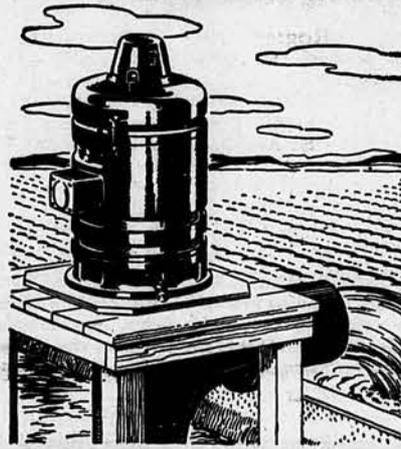
MIGHTY PROUD was Dale Konkel, of Konkel & Sons, Haviland, when their heavy-weight Spotted Poland entry was declared grand champion barrow carcass at the Kansas State Fair. The Konkel entry is the carcass at the left.

Champion Spotted Poland



SENIOR AND GRAND CHAMPION at both major Kansas fairs this year was Diamond X, Spotted Poland China boar, owned and exhibited by H. E. Holliday, of Sunnybrook Farm, Richland. Mr. Holliday had outstanding success at the 2 fairs placing in the money 16 times at Kansas Free Fair, Topeka, and 13 times at Kansas State Fair, Hutchinson.

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... with Fairbanks-Morse Propeller Pumps. They're the ideal irrigation pump where you need virtual rivers of water for big acreage irrigation... move up to 13 million gallons of water an hour.

These big-volume water-movers can be suspended in a simple manner from a floor or structure over a river or other source of water supply. They are completely self-priming, are compact and self-lubricating. They will deliver a bigger volume of water to the irrigation canals, at lower cost, than any comparable equipment.

If you need rivers of water for your irrigation, check the many advantages of Fairbanks-Morse Propeller Pumps with your Fairbanks-Morse Pump Dealer. Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Illinois.

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ELECTRIC FENCE POST with New Clip Type—INSULATOR FASTENER

HERE IT IS! THE BETTER ELECTRIC FENCE POST WITH SURE GRIP, QUICK, EASY ADJUSTABLE INSULATOR FASTENER. You will save time, money and labor with this latest Fence Post and new Clip Type Fastener.

Features that you can't afford to overlook:

1. Post that is easily moved and reset, can be stepped into the ground.
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3. Plate is spotted welded on post to stay. If it comes off we give you a new one. IT WON'T!
4. Exclusive type insulator attachment. No tools necessary. Just squeeze Spring Steel Clip and slide.
5. Extra clips available for any number of wires.
6. Wire can be adjusted to any height in matter of seconds—from top for cattle and horses, and to bottom for hogs. Spring Steel Clip automatically locks after releasing. The more it is agitated the firmer it holds.
7. Attractively painted two-tone color with rust resistant paint.
8. Post and clip fastener that not only gives you the best on the market but SAVES you TIME, LABOR and MONEY.

SEE YOUR DEALER OR WRITE TODAY TO:
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Big 3

(Continued from Page 4)

management program. Mr. Isch starts his herd on sweet clover about April 20 for about a month. By that time his native bluestem pasture is ready and serves until about July 15, when he switches the herd to lespedeza. Early in September the herd is back on sweet clover. This fall his native pasture was usable up into October and cows alternated between sweet clover and bluestem. Wheat pasture is used when available.

The program used by Mr. Isch gives him 7 months of pasture without wheat, and 10 months when wheat is available.

How important is good, temporary pasture to profitable milk production? The answer can be found in a report from the Marion county No. 1 association for October and November, 1950.

Herds on good pasture during October showed a production cost of \$1.28 for each 100 pounds of milk, or 32 cents for each pound of fat. Herds on poor or no pasture for the same month showed a production cost of \$1.73 for each 100 pounds of milk, or 45 cents for each pound of fat. Good pasture, then, made the difference of 45 cents a hundred on milk and 13 cents a pound on butterfat.

The difference in November was even greater. Herds on good pasture showed a production cost of \$1.17 on milk and 30 cents on butterfat, compared with \$1.77 and 46 cents for herds on poor or no pasture. This gave the herds on good pasture a profit advantage of 60 cents on each 100 pounds of milk or 16 cents on each pound of fat.

Jacob Guhr, supervisor of the Marion county No. 1 association, says: "This example on pasture points out that dairying can pay you added dividends if it is operated right."

Mr. Isch, and hundreds like him who are members of dairy herd improvement associations over the state, are trying to learn to "do it right" to get the most for their labor and investment. Perhaps you, too, can get more "profit mileage" out of your dairy herd by analyzing management practices.

Great Care Given Feed Production

The feed manufacturer gives as much care to the production of each sack of feed leaving his plant as a mother does in preparing her baby's formula. That's the belief of Thomas W. Staley, re-elected chairman of the board of the American Feed Manufacturers Association.

At a recent meeting of association members in Chicago, Mr. Staley commented on the amazing results obtained in 1950 by the addition of vitamin B₁₂ to animal rations. Only a few years ago it was thought one per cent of an ingredient in a feed a small amount, pointed out Mr. Staley, whereas today feed manufacturers for most efficient results must use as little, or even less, than a thousandth of one per cent of an ingredient. "We are able and do diffuse 6 parts of the new vitamin B₁₂ in one billion—not a million—but a billion parts of feed today."

Hay Rake Wheel Gate Is Easily Made

Carlotta Pretzer, of Garnett, tells of a yard gate made from an old hay rake wheel. The spokes were cut and re-welded in place, the handle cut and welded from the pieces left over. In a letter to the Lincoln Electric Company, Cleveland, O., Miss Pretzer wrote, "Our arc welder is constantly in use repairing breakage which, without the welder, would necessitate a trip to town causing considerable loss of time and energy." She believes women and girls can easily operate an arc welder on the farm.

Ready for Winter?

The Landscape Calendar, suggests care of plants for winter and how to avoid plant diseases and black spot of roses. In this bulletin there are instructions for each month of the year and we can recommend it for your library. While the supply lasts, a free copy may be ordered from Bulletin Service, Kansas Farmer, Topeka.

Who Speaks For You?

There are many who would like to speak for farmers and in the not too far distant past they did, but that was before Farm Bureau provided a means for farmers to make their own decisions and carry their own program to Topeka and Washington.

The Kansas farmer today finds his problems interwoven with the problems of all other segments of our state, national and world economy. Each day decisions are made beyond the fence lines of your farm which will have a direct effect on you and the operation of your farm.

What Will You Do?

As a farmer in Kansas, these problems that affect agriculture are yours. You will do one of three things:

- (1) You will do nothing—letting other economic groups or government agencies decide the destiny of your family and your farm prices.
- (2) You will try to do some of these things alone against competition that has been thoroughly organized and highly financed.
- (3) You will join your Farm Bureau—and choose to carry this load of farm problems in an organized way. When all farmers carry a part of the load, there is no load that cannot be carried, once the farmers themselves have determined the job to be done.

Join 58,000 Kansas farm families and 1½ million members of the American Farm Bureau Federation in the preservation of a Strong United Voice for Agriculture!

Farm Bureau Membership Week November 5-10

GRIND AND SHELL FASTER... EASIER WITH THE PORTABLE VERMEER POW-R-DRIVE

THE LEADER IN THE FIELD!

Thousands of farmers now depend on their Vermeer POW-R-DRIVE for fast, trouble-free grinding and shelling jobs. It's the original portable power take-off drive for hammermills and shellers—the Drive with the Belt Tension Release. Reduces wear and saves on belts. The POW-R-DRIVE is fully adjustable to fit all makes of mills and shellers. Farm tested and proved over 3 years. Fully guaranteed. Here's a low-priced, profitable labor saver. See your dealer, or write for FREE circular.

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BAN RATS AND MICE with guaranteed ASL BANARAT made with warfarin

Your Choice of 2 FORMS:
BANARAT BITS — Ready-to-use, small pellets. New bait formula specially attractive to both rats and mice: 1-lb. self-service bag, only \$1; 5-lb., \$3.95; 4-oz. Mouse Bits, 50 cents.
BANARAT PREMIX — Economical concentrate you mix with any bait to meet any and all rat conditions: ¼-lb. makes 5 lbs. bait, \$1.75. Big ½-lb. makes 10 lbs. bait, only \$3.00.

Be sure you get genuine, pioneer BANARAT. No other rat and mouse killer can do a more thorough job for you.

Amazing University of Wisconsin discovery — safest and MOST EFFECTIVE RAT and MOUSE KILLER known. Guaranteed by American Scientific Laboratories with 30-year reputation for dependable quality and full value. Easy and economical to use. Dozens of warfarin products but only one BANARAT! Results almost unbelievable. Rats and mice never suspect the bait—keep eating until they all weaken and die. Ask for BANARAT by name, at your dealer's or write to American Scientific Laboratories, Madison 1, Wisconsin.

Kansas Farm Home and Family

FLORENCE MCKINNEY, Editor



MARY ANN HORNEMAN arranges her collection of handmade manikins dressed as first ladies of the White House, as exact in every detail as those in the National Museum in Washington, D. C., which she used as models.

MISS HORNEMAN holds Mrs. Abraham Van Buren, daughter-in-law of President Van Buren. Others left to right are Mrs. John Tyler, Mrs. Franklin D. Roosevelt, Mrs. Woodrow Wilson, the second; Mrs. George Washington and Mrs. James Madison.

Meet the First Ladies

By Henrietta Boyd

THE pleasure is all yours when Mary Ann Horneman, of Beloit, introduces you to the first ladies of the White House. Miss Horneman has made small miniatures with portrait faces, averaging 12 inches in height and exact in every detail. She has dressed them exactly as they are shown in the National Museum in Washington, D. C. There are imported brocades, laces, satins and in some cases the material is hand-painted to meet the requirements. Styles are precise replicas of the first ladies' inaugural gowns.

Few of us are able to name all the presidents, much less are we able to name the first ladies. It is not so generally known that some first ladies were not the presidents' wives. Nieces, daughters, sisters and daughters-in-law often acted as hostesses in case the presidents were widowers or bachelors. These and other historical facts no doubt are some of the reasons most folks find the dolls and Miss Horneman's lecture so enjoyable.

The 34 lovely hostesses are a collection of manikins valued at \$2,500 and are most fascinating in themselves, but the lecture and songs which accompany them make the picture complete. In her talk Miss Horneman tells many stories that do not appear in the usual history book, stories that give insight into the private lives of these ladies and their famous presidents.

Mrs. Franklin Delano Roosevelt is the latest addition. A lady is added to the collection when her husband leaves office.

Miss Horneman has made her hobby a financial success. Too, she has traveled extensively

with it, made many talks and met many interesting people.

Each manikin represents hours of work, as the head is first modeled in clay then cast in plaster of Paris and covered with a plastic coating. The head is cast in 2 sections, then the parts are sand-papered and painted. Arms and feet are modeled and cast and the body is made of cloth. Every doll is dressed completely with handmade underclothing and dresses. Real hair is made into braids or dainty curls, depending on the style of the period.

Dolls Have Rich Gowns

Mrs. William McKinley took the most time. Her gown is heavy, creamy-white satin elaborately trimmed with point lace, opening over a skirt panel effect embroidered with pearls. The train is a sweeping affair and the waist goes tight up to the chin with long sleeves reaching down to her hands, ending in lace ruffles. "It took hours and hours to sew on all those tiny pearls and hem the dainty ruffles," commented Miss Horneman.

American beauty red chiffon velvet was used for the gown of Mrs. Calvin Coolidge. It has a low neckline, a severely plain short-sleeved waist and a long train. Mrs. Abraham Lincoln's costume includes a fan to match her gown and she wears a wreath in her hair.

So the story goes on and on about the famous women. Miss Horneman has compiled all the information in a small book, "First Ladies of the White House, in Miniature." Two pages are devoted to each hostess, on the first page a



picture of the manikin and on the opposite page interesting historical facts about the lady. Already the book is in its third edition and is found in schools, homes and libraries throught the country.

When asked how she became interested in her hobby, Miss Horneman says she first started to write a book on costumes of the last 150 years. She spent much time reading, collecting pictures and data, but during her study became interested in the gowns of the ladies of the White House.

At the time she started the project she was studying and teaching music at Newark, N. J., so she made several trips to Washington, D. C., to see the gowns in the National Museum. This was truly an inspired hobby for she became so interested she worked night after night.

Her White House ladies travel in a style fitting their position. She found she must have a convenient way to carry her 34 precious dolls while traveling from place to place, so she designed a special suitcase. It is 38 inches long, 16 inches high and 10 inches deep and made of luggage material. It is so divided each lady fits snugly in her place, held securely by rubber bands, thus protected against breakage. There also is room in the case for the scenery, table cover and Miss Horneman's lecture dress.

An outstanding feature of this unusual enterprise is that it's ever up-to-date, with each new White House lady added to the collection.

Miss Horneman presents her program to groups such as PTA's, women's clubs and schools. It's alive, educational and entertaining.

Fall Into Winter



4623
SIZES
14½-24½



4630 SIZES
12-20; 40



9001
SIZES
2-10



4572 SIZES
12-20
30-42

9001—Frock makes use of contrast and scallops. Sizes 2 to 10. Size 6 takes 1½ yards of 35-inch and ½ yard of contrast.

4630—Handsome 2-piecer to be worn as a pair or separately. Sizes 12 to 20 and size 40. Size 16 blouse takes 1¾ yards 35-inch and skirt 2½ yards 39-inch.

4623—A half-size pattern designed for the shorter woman. Sizes 14½ to 24½. Size 16½ takes ¾ yards 39-inch material.

4572—Smooth-fitting dress with latest fashion details. Sizes 12 to 20 and 30 to 42. Size 16 uses ¾ yards of 39-inch material.

9129—One yard of 35-inch material will make this apron in any size. Sizes small 14-16, medium 18-20.

4600—Make this wardrobe for your daughter's dolly. One pattern part for each item. For dolls 14 to 20 inches high. Yardages in pattern.



9129
SIZES
S-14-16
M-18-20



doll clothes - **4600**
each garment FOR DOLL
one piece 14"-20"
TALL

Pattern Numbers	Size	Name
		Route
		Town
		State

Send 30 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka. Use coupon above.

LOOK!



\$500.00
\$1000.00

315
WONDERFUL
PRIZES!



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Name the Ranges



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GRAND PRIZE • New 1951 Buick Deluxe Tourback Sedan—Truly a "dream car"—fully-equipped with radio, heater and famous Dynaflow drive! Think how happy you'd be to drive home with this magnificent Grand Prize!

2nd PRIZE • A full \$1,000.00 in cash! Yours to spend for anything your heart desires!

3rd PRIZE • \$500.00 in cash! What a help in paying those after-Christmas bills!

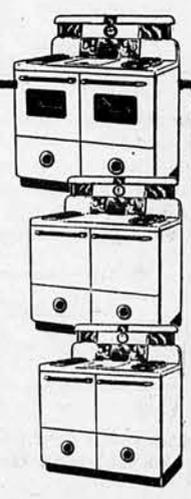
3-4th PLACE PRIZES • Bendix Gas Clothes Dryers for each of three lucky winners! Haven't you often dreamed of having a wonderful automatic clothes dryer like this? Makes clothes come fluffy-dry . . . indoors . . . regardless of weather! And so easy to win!

5-9th PLACE PRIZES • Not just one—but 9 Singer Portable Sewing Machines with All-Purpose Tables will be awarded to winners of this great contest! Win one of America's most-wanted sewing machines plus a full 8-lesson course in Dress Making or Home Decorating!

300 SPECIAL AWARDS • Two-volume sets of Meta Given's Encyclopedia of Cooking! You'll be proud to own this treasury of wonderful recipes and home management suggestions!

Here's All You Have to Do to Win:

Just Give Us **THREE NEW NAMES** For These **THREE NEW SKELGAS CONSTELLATION RANGES!**



No letters to write! • No puzzles! No jingles! • Nothing to buy! Anyone can enter—but hurry! Contest closes December 8, 1951

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SEE YOUR FRIENDLY SKELGAS DEALER TODAY!

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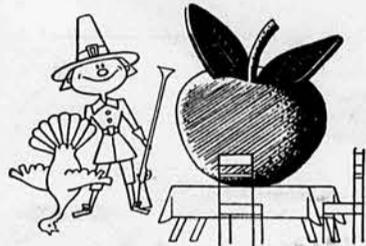
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**BEET SUGAR
KITCHEN**
by Nancy Haven



New
Thanksgiving Wrinkle

**ORANGE-GINGER APPLES
WITH PICKLE STEMS**

Bright garnish for your turkey platter
—perfect for individual salads.

- 2 cups Beet Sugar
- 1 cup orange juice
- 2 tbsps. white corn syrup
- 1/2 tps. salt
- 1 tsp. ground ginger
- 1/2 tsp. (50 drops) yellow food coloring
- 4 drops red food coloring
- 6 med.-sized baking apples

Mix all ingredients, except apples, in large kettle. Bring to a boil on medium heat. Place whole apples (cored and peeled), blossom end up, in orange syrup. Steam-simmer, covered, for 5 minutes; remove cover and cook 15 minutes longer or until tender to fork touch, basting occasionally. Remove from syrup; store in refrigerator. Serves 6.

This Way for Salad

Mix 1 tbsp. cream, 1 (5-oz.) jar sharp cheese, 1/3 cup chopped nutmeats and 1/4 cup finely cut celery. Pack mixture into cored cavities of orange-ginger apples. Complete apple with stem and leaves cut from green pepper or pickle.



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The Recipe Corner



Next time you want to serve afternoon or evening refreshments, try a sandwich pinwheel and hot coffee. Each segment makes one serving and the carving is done in the kitchen.

Sandwich Pinwheel

Fillings

- flaked salmon, relish cheese spread
- mayonnaise deviled ham and
- egg salad cream cheese
- pickle relish and butter

Use thin-sliced fresh white bread. Make a sandwich stack, using all 5 fillings and 6 slices of bread. Repeat until there are as many stacks as you need. Trim off the crusts. Cut each stack in 2, on the diagonal. Arrange triangles with cream cheese, whipped until fluffy and tinted any delicate shade with vegetable coloring or leave plain white. Stick a toothpick in each and top each with an olive, a pickled onion or a bit of some other relish. Place a radish rose in center of each pinwheel. Two stacks will make 14 servings. We suggest serving hot coffee with the sandwich pinwheel.

Banana Oatmeal Cookies

- 1 1/2 cups sifted flour
- 1 cup sugar (beet or cane)
- 1/2 teaspoon soda
- 1 teaspoon salt
- 1/4 teaspoon nutmeg
- 1/4 teaspoon cinnamon
- 1/2 cup shortening
- 1 egg, well-beaten
- 1 cup mashed ripe bananas (2 to 3)
- 1 1/4 cups rolled quick oats
- 1/2 cup chopped nuts

Sift together flour, sugar, soda, salt, nutmeg and cinnamon into mixing bowl. Cut in shortening. Add egg, bananas, rolled oats and nuts. Beat until well blended. Drop by teaspoonfuls, about 1 1/2 inches apart, onto ungreased cookie pans. Bake in a moderately hot oven (400° F.) about 15 minutes or until cookies are done. Remove from pan immediately. Makes about 3 1/2 dozen cookies.

Quick Apricot Whip

- 2 teaspoons gelatin
- 1 cup apricot juice
- 3 tablespoons sugar (beet or cane)
- 1/4 cup apricot pulp
- 1 tablespoon lemon juice or 1/2 teaspoon vanilla

Canned apricots or cooked dried apricots may be used in this recipe. In either case, they will be sweetened and you may or may not add the 3 tablespoons sugar.

Soak the gelatin in the apricot juice. Heat over hot water until the gelatin is dissolved. Chill until it thickens. Whip until fluffy. Fold in apricot pulp to which the sugar and flavoring has been added. Chill until well set. Serve with cream.

Stuffed Apples

- 6 large tart apples
- 1 cup bananas, mashed
- 1 cup cooked cranberries, or cranberry jelly
- 1 cup sugar (beet or cane)
- 1 teaspoon cinnamon
- chopped nuts
- whipped cream, if desired

Cut off the stem ends of apples, remove cores, but do not peel. Mix mashed bananas, cranberries, sugar and cinnamon. Fill the cavities of apples with mixture, cover with chopped nuts and bake in moderate oven (350° F.) until tender. Serve cold with a spoonful of whipped cream on top each apple, if desired.

Blueberry Skillet Pudding

A skillet pudding is an unusually easy way to use canned blackberries, blueberries or other cut-up fruit having a considerable amount of juice, thus eliminating leftovers.

- 2 tablespoons butter
- 1/4 cup sugar (beet or cane)
- 1 teaspoon cornstarch
- 1/4 teaspoon salt
- 1/2 teaspoon cinnamon
- 2 teaspoons lemon juice
- 2 cups blueberries (canned)

**We Announce a New Contest
Cash and Books to Be Awarded**

TO ALL seventh and eighth graders! If you live on a farm and attend a rural school you are eligible for our story-writing contest. In this second contest, the subject is to be, "We Need More Books for Our School Library, Because . . ."

Etta Faye Smith, of Ottawa, a winner of the contest just completed, wrote us their schoolhouse was a flood casualty, with water 5 feet deep, resulting in almost total loss of desks, piano and books. The new books they received from *Kansas Farmer* as a result of the contest gave them a start on a new library.

There may be many such schools in the valleys of Kansas. But we are not limiting the contest to those alone. *Kansas Farmer* editors are interested in more and better books for all Kansans, young and old. Here is the chance to get a good start on a new up-to-date school library.

Winners will choose from a list of books prepared by Mrs. Ruth Gagliardo of the Kansas State Teachers Association. She is well known in Kansas as director of the Traveling Book Exhibit and editor of the Children's Book Shelf in the *Kansas Teacher Magazine*.

Rules of Contest

1. Subject, "We Need More Books for Our School Library, Because . . ."
2. The story must not be longer than 300 words.
3. The family farm must be at least 3 acres.
4. Winners of last year's contest are not eligible, but other students of the same schools are eligible.
5. The story must be the work of the seventh or eighth grader submitting it.
6. Story must be plainly written or typed.
7. The paper must be 8 1/2 by 11 inches and written on one side only.
8. The teacher of a school will select the best one from those written, as only one entry from a school will be considered.
9. Send the story to Florence McKinney, Women's Editor, *Kansas Farmer*, Capper Publications, Topeka.
10. To be eligible for grading, all stories must be received in this office by December 1, 1951.

Awards to Be Given

First prize: A personal cash award of \$25 to the boy or girl winner, plus

Suppers or Banquets

How to buy food for serving 50 to 100 folks, and the recipes for various menus for church or club dinners or banquets, are given in the interesting and illustrated booklet, "Feeding a Crowd." The Home Editor, of *Kansas Farmer*, Topeka, will gladly send a free copy upon request.

Melt butter in a heavy skillet with tight cover. Combine sugar, cornstarch, salt and cinnamon and stir into butter. Add 1/2 cup berry juice and cook until slightly thickened. Add lemon juice and remainder of berries. Bring to boil and top with dessert dumplings as follows:

Dessert Dumplings

- 1 1/2 cups sifted flour
- 2 teaspoons baking powder
- 1/4 cup sugar (beet or cane)
- 1/2 teaspoon salt
- 4 tablespoons shortening
- 1 beaten egg
- 1/2 cup milk

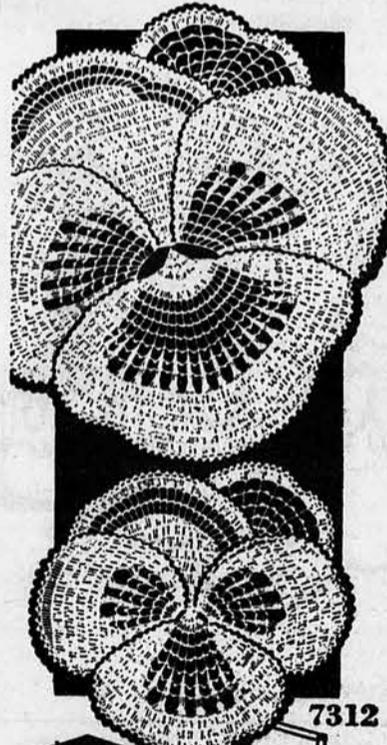
Sift together flour, baking powder, salt and sugar. Cut in shortening until mixture is crumbly. To the egg, add milk, then stir into flour mixture. Drop by spoonfuls on top of boiling berry mixture. Cover tightly, reduce heat and simmer gently for 20 minutes. Serve warm with cream.

Planning a Wedding?

Everything a bride and her mother should know in planning for the wedding is given in our leaflet, "The Bride's Blue Book." Send for your copy today, to Entertainment Editor, *Kansas Farmer*, Topeka. Price 5c.

\$100 in books for local school library. Second prize: A personal cash award of \$15 to the boy or girl winner, plus \$75 in books for the school library. Third prize: A personal cash award of \$10 to the boy or girl winner, plus \$50 in books for the school library. We may give additional prizes at the end of the contest judging, depending on the number of high-rating stories received.

Worthy of You



Pretty crocheted pansy doilies. Use them for lunch-set, buffet set or even chair sets. Crochet directions come in 2 sizes.

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

About . . . Children Need Companionship

By MRS. MARION QUINLAN DAVIS

A mother on an isolated farm sent us this inquiry. She says: We live on a rather isolated farm and our children had not learned to get along well with other children when they started to school. In what way could we have prevented this?

Mrs. Davis answers as follows: Each child in the family needs companionship with children his own age and friendship outside the family circle. If you have no close neighbors, you have contacts in church, the Grange or the Farm Bureau or some other farm organization with people who have children. There are Sunday school contacts which bring children into their own age groups.

You could invite children of your friends to spend the day with your children, providing the food they like best and making it a point always to be friendly and hospitable to your children's friends.

You could invite their friends to accompany you and your children to the movies or on a drive to the store or to join you on trips and picnics.

You could be sure that your children dress like, talk like and play like the other children. Children everywhere are very hard on those that are "different."

Interesting people have the most interests. Did your children develop certain skills and hobbies that would command the respect of other children? We all need to feel that we have something to contribute, if it is only a smiling face and a pleasant word.

Keep Play Materials

Do you have play materials, a costume trunk and a housekeeping corner in your house? Are there small livestock, pets, machinery and crops that would challenge your children's friends and keep them constructively busy?

Did your children learn to do things for themselves and to be responsible and self-reliant, or were they too shielded and dependent on you? Overtimidity and overaggressiveness in children come from lack of self-confidence. Self-confidence comes from doing things successfully. It also comes from being rewarded by sincere praise for the accomplishment.

• The Poet's Corner •

Her Haven

Little Susan climbed a tree
In her newest dress
And tore a hole from waist to hem,
"You'll get spanked I guess,"
Said her playmate, frowning there.
Sue looked serious,
Then wiped her tears and smiling said,
"My grandpa lives with us!"
—By Camilla Walch Wilson.

November Cleans House

With summer's picnic over,
And autumn's weekend, too,
November moved in this morning . . .
And she has much to do!
With stiff winds she'll broom the meadows
And the trees of their dusty green,
Sweep tumbleweeds from the hedge-row,
Then with rain wash them clean.
And when she has quite finished,
Put the decorations all out of sight,
She'll slip cover and she'll carpet
Her whole house in white.
—By Elva Buskirk Dreibelbis.

Little Girl Dressing Up

She's happy with her tiny feet
Encased in high-heeled shoes,
And garments from an attic trunk . . .
Are just the style to choose.
She tilts a hat to cover up
One sparkling violet eye,
And preens before the mirror with
Her round chin lifted high.
With chubby hands she clutches close
A crimson satin gown,
And stumps along with careful grace
On her way "to town."
—By Mary Holman Grimes.

Landscape

There's a time come autumn evenings
As the sun slow-motions west,
That is calm, cool, quiet and peaceful
With birds winging to their nest.
Then bright leaves hang limp and resting;
Soft, slim shadows lengthen, gray,
Blending with the dusky velvet
Edged around the close of day.
Then the wild-life voiced musicians
Tune their brasses sweet and low,
E'er they lift their darktime concerts
In melodious gusto.
Then the sky is brushed with colors
Of deep gold, green and cerise . . .
Then the countryside at evening
Is our Master's masterpiece.
—By Lillian Easley Moore.

The Smartest Friend

Today I made a brand-new friend
I was amazed at his good sense.
He saw things right! He knew the trend
Of politics and world events,
In fact I found we quite agreed
On what these wicked countries need.
—By May Smith.

A Mother's Criteria

Where has this summer gone to,
I should like to know,
Here it is nigh autumn
And what have I to show?
I haven't painted a picture
Or crocheted or quilted or knit.
I'm not even one book smarter;
I've traveled not a bit.
Yet this is no "lost summer."
My efforts wear a crown.
My children have been happy . . .
And their hems need letting down!
—By Elva Buskirk Dreibelbis.

Autumn Centerpiece

Unusual centerpieces are popular these days! And here is one for any time from Halloween to Thanksgiving. You may spend a little time assembling materials, but the young folks will love that.
For a container use a pumpkin shell, the size depending on size of your table. If it's for a big party . . . a huge pumpkin half, for the dining table at home, a smaller one.



Remove the seeds and fibers and fill the shell with whatever the season has to offer in fruits and vegetables. Apples, oranges, grapes, lemons, bananas, green peppers and that glorious purple eggplant . . . these are some of the items you can find in your garden or in your grocery.
From the philodendron or ivy vines cut short sprigs and tuck them in here and there with the fruit and vegetables.
Wash and polish the fruit and vegetables and the leaves. A bit of cooking oil on a soft cloth will bring out their natural luster. This colorful centerpiece will highlight your table and call for many complimentary comments.

News to You?

Never add salt or salad dressing to a salad until ready to serve for they draw liquid from the food and tend to make them soft and unattractive.

Your feet will not get so tired from an ironing job if you stand on several thicknesses of rug. A throw-rug folded several times is ideal.

When your child is old enough to choose his clothing, accompany him to the store and let him make his own decisions.

The landscape will not interest your small fry when you take them on a trip either in the family car or the train . . .

Prize-Winning Baking

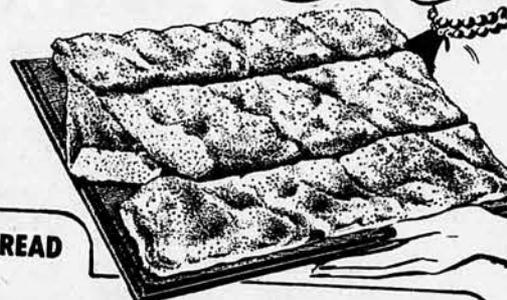
If you haven't ordered your copy of the leaflet, "Tasty Talk," we still can fill your order. There are recipes for prize-winning cakes, pies, bread and rolls, also the processes are illustrated. Write to Home Service Editor, Kansas Farmer, Topeka, and enclose 3c for postage.

not more than 2 minutes anyway. Chief sources of entertainment are toys, old and new and singing, storytelling and games.

BAKE THIS PRIZEWINNER
WITH
RED STAR Special Active DRY YEAST



Senior contest winner, Grand National Baking Contest, Waldorf-Astoria, Mrs. Fredricka A. Vici, Ripley, Ohio.



\$1,000 CHEESE SNACK BREAD

Cheese, a trace of onion and caraway or poppy seeds are baked right on top of this unusual bread! According to Mrs. Vici, "The recipe had been in Father's family for many generations, and he gave it to Mother, who made it every Wednesday and Saturday. She always served it warm, with hot soup or hot coffee. It tasted equally good for breakfast, luncheon or supper." BAKE at 425° F. for 15 to 20 minutes. MAKES 15x10 or 13x9-inch coffee bread.
DISSOLVE 1 package RED STAR Special Active Dry Yeast (or 1 cake of compressed yeast**) in 1/4 cup warm water (110° to 115° F.) COMBINE 2 tablespoons shortening, 1 tablespoon sugar, 1 teaspoon salt*, 3/4 cup scalded milk. Cool to lukewarm. BLEND IN the dissolved yeast. ADD 2 1/4 cups sifted Pillsbury's Best Enriched Flour**.

mix thoroughly. KNEAD dough on lightly floured board for 3 minutes; place in greased bowl and cover. LET RISE in warm place (85° to 90° F.) until double in bulk, about 1 to 1 1/2 hours. PRESS dough into greased 15x10 or 13x9x2-inch pan. LET RISE in warm place until double in bulk, about 45 minutes. COMBINE 1 egg, 5 tablespoons milk, 3/4 teaspoon grated onion, 1/4 teaspoon salt, 1/2 lb. (2 1/2 cups) yellow cheese, grated; spread over top of dough. Sprinkle with 1 1/2 teaspoons caraway seed or poppy seed, if desired. BAKE in hot oven (425° F.) 15 to 20 minutes. Serve warm.

*If you use Pillsbury's Best Enriched Self-Rising Flour, omit salt.
**If compressed yeast is used, dissolve in 1/4 cup lukewarm water.



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IMPROVED
DRY YEAST

QUICKER
DISSOLVING...
QUICKER
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Ask for Seals to Boost Crippled Children Fund



"Winter" by Ranulph Bye

This peaceful winter landscape has been reproduced in four colors and will be distributed as Christmas seals during the holiday season for the benefit of crippled children. They are the kind of seals you like to have on hand to brighten up your parcels, letters and greeting cards.

A sheet of 100 gummed and perforated seals will be sent to each person who expects to make a cash contribution to the crippled children fund between now and Christmas. Just make a small gift to crippled children and get all the nice seals you will need free.

Fill in and return this coupon today. You can make your contribution any time before Christmas—the 31st birthday of the Capper Foundation.

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

Dear Sir:

Yes, you may send me a package of those beautiful seals at once. I'll make my contribution to the crippled children fund sometime between now and Christmas.

Name

Address



Likes speed of Active Dry Yeast

WINS 21 COOKING AWARDS AT KANSAS FAIRS

Collecting is a hobby with Mrs. Albert Kessler of Topeka. She collects antiques, glassware—and blue ribbons for her cooking! This year she entered some of her special dishes at the Berryton Grange Fair and the Kansas State Free Fair. And she won a total of 21 awards... including 9 first prizes!

A fine record like that makes Mrs. Kessler one of Kansas' leading cooks. And like prize winners in every state of the union, she prefers Fleischmann's Active Dry Yeast. "It's a whiz,"

she says. "The way it rises so fast and dissolves so easily!"

The holiday meals ahead call for plenty of yeast-raised goodies. They're so festive, so delicious... wholesome and nourishing, too! When you bake at home, use yeast. And use the best—Fleischmann's Active Dry Yeast. It's so fast and easy—gives you grand results. Just add to warm water, stir until dissolved—it's ready to use. Get Fleischmann's Active Yeast today.

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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.

Gentle, effective relief

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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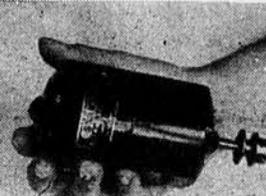
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You'll make exquisite rugs with "JIFFY RUG WEAVER." So easy, it's child's play. KIT INCLUDES: 2 lbs. rainbow silks, ruyons, cottons, 2 balls weaving card, illustrated instructions. "Cleverest darn thing ever." Ideal for gifts, fun, or profit.

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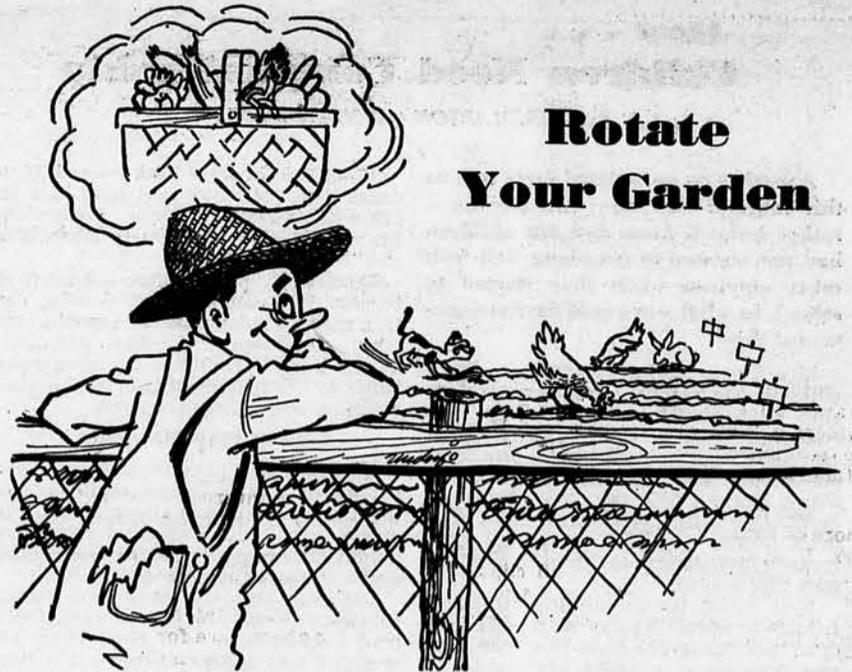
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Rotate Your Garden

By WILLIAM G. AMSTEIN, Kansas State College

HAVE you worked out a plan to rotate your 1952 garden locations? Many farm gardens would be much more productive and drought-resistant if more attention was given to soil improvement work before crops are planted. Often a garden soil lacks the "life" needed for best results. That is, many gardens fail to have enough humus (decaying vegetable matter) added and are in poor mechanical condition. The soil is not possessed of the ability to hold needed water yet not become waterlogged.

In too many garden soil management discussions not enough emphasis is given to good mechanical and bacterial conditions in the garden soil. Fertility should and needs to mean more than the use of fertilizers.

Will Help Avoid Diseases

This is a good season to start working out part of your garden rotation scheme by selecting an area to be planted to a cover crop next spring that may not be plowed under until the following spring. Continuous cropping is not considered desirable for field crops. Likewise land devoted to vegetables has the same need for organic matter. In addition to solving a large part of the fertility problem, considerable benefit will result in avoiding many disease and insect problems encountered in continuous cropping to vegetables.

A better plan than a short season cover crop program is provided with 2 alternate garden locations. Planting a soil improvement crop on one area will permit it to remain there 2 years. This often is referred to as the Missouri 2-area garden plan. Followers of this practice not only find it will build up organic matter in soil but will reduce many parasites that attack common garden crops.

These Crops Will Help

There are many crops that could be listed as useful for providing needed organic matter to soil. Wheat, rye, barley and oats commonly grown as grain and pasture crops will serve as good cover crops.

In sections where winter vetch or Austrian winter peas are available and adapted, no better cover crops could be suggested. A longer time legume program might consist of using sweet clover, red clover, alfalfa, or similar crops depending upon their adaptation to conditions in your community.

Use of manure on garden soils is definitely recommended but there are certain advantages of a rotation program that are not obtained in keeping the garden continuously in vegetable crops. These items should not be overlooked. Regardless of whether manure or cover crops are used, there are many gardens that need to have both lime and phosphate added if the desired and best possible production results are obtained. A soil test or a knowledge of results of tests with similar soils in your community will serve to guide you in this decision as to need for and the amount of lime and phosphate you will have to add.

Gardening at best is not too easy in many locations. More attention to soil

management may help not only your 1952 results, but you can work out a plan that will include choosing and improving your future locations. Some rotation plan will work equally well in most communities.

Tips on Rose Care

A new leaflet containing valuable tips on rose care and proper use of roses, is now available to the public. "All-America Rose Selections" has announced.

Entitled, "Beautify America with Roses," the leaflet is written in everyday, useful style and is liberally illustrated. It answers such questions as how to plant roses, where to plant them, how to care for them in spring, summer and winter and how to use roses in the home.

For those who doubt their ability to raise a successful rose garden there is assurance "roses can be grown with ease by anyone." A 3-cent stamp mailed with your return address to L. Richard Guylay & Associates, 45 Rockefeller Plaza, New York City, will bring you a copy of the pamphlet which shows how.

Test Garden at Topeka

The leaflet is published by "All-America Rose Selections," the organization which pre-tests new rose varieties by subjecting them to the study and appraisal of rose judges in 20 trial gardens spread thruout the country. There is a test garden located at Gage Park in Topeka. The test period lasts 2 years, and because of the trial-garden system, winning roses must prove their hardiness under every possible climatic and soil condition in all parts of the United States.

But hardiness is only one of more than a dozen characteristics on which entries are scored. Other points included are fragrance, disease resistance, and foliage. Only those entries which attain near perfect scores are admitted to the list of All-America Roses. Names, colors and types of roses that have received this award are listed in the leaflet.

Three new roses have been named All-America Roses for 1952. They include 2 hybrid tea roses, Helen Traubel and Fred Howard, and a floribunda, Vogue.



"Do you mean b 'sound as a dollar' that I'm half sick?"

Letters From Our Readers

Larry Schwarz article, "Success," in October 6 issue is to the point and worthwhile.—Percy L. Perry, Rice Co.

In regard to articles in travel series by Mrs. Frank Williams, both Mr. Berry and I consider them very delightful and entertaining. We hope the series continues in *Kansas Farmer*.—Mrs. John L. Berry, Marshall Co.

Enjoyed very much Frances R. Williams' 10 articles, "We Are Seeing America West and Northwest." Hope to see more like them.—Mrs. E. W. Underwood, Cheyenne Co.

I would very much enjoy having more of Frank Payne's articles on flowers. It is first thing I look for when paper comes. I have them all clipped and pasted in my scrapbook. I also enjoy letters from the 4-H boys and girls from Europe.—Mrs. Fred Zier, Lincoln Co.

I am writing for a group of 35 women in our church and would like very much to have Frank Payne flower talks continue in *Kansas Farmer*.—Mrs. Lamotte, Shawnee Co.

I look forward to receiving *Kansas Farmer*. I like all the articles but did receive so much good information from articles written by Frank Payne and would like more of his writings.—Mrs. Ada Williamson, Rice Co.

Have enjoyed the 10 flower articles very much. Hope you keep Mr. Frank Payne busy keeping us informed. It is really nice having an old hand teach us newcomers his tricks. So for the sake of us new dirt doblers won't you keep him doing his very good articles.—Mrs. John D. Green, Reno Co.

We have sincerely appreciated Frank Payne's articles on care of flowers and roses. He writes so one can understand. Won't you please ask him to continue writing about them?—Mrs. Fred Taylor, Stafford Co.

I enjoy reading *Kansas Farmer* and especially articles written by Frank Payne on flowers and hope to see more in the future.—Mrs. John Schopper, Douglas Co.

Please! Let us have more flower articles by Mr. Payne. I have enjoyed them so much and have saved every one of them. I'd like more about house plants, too.—Mrs. W. V. Hanes, Butler Co.

We hope you will continue your flower articles. They are very helpful. Glad to get information on them, so please keep up the good work.—Mrs. Ira Hughes, Jewell Co.

Will you kindly accept couple of extra votes to continue to have Mr. Frank Payne's good flower articles go in your paper. We are all enjoying them.—Mrs. Charles Fennghty, Rooks Co.

Here is one reader who would like to have more articles on flower growing by Frank Payne, and travel stories by Frances Williams. I have found both very interesting and instructive.—Hazel Armitage, Smith Co.

I am especially interested in garden and flowers and would like to see more Frank Payne articles.—Mrs. Kittie Lowry, Anderson Co.

I enjoyed flower series. Would like to see it continued.—Mrs. Milton Blocker, Reno Co.

... enjoyed Frank Payne's flower articles very much and much help in

Women's Work Clothes

Many women will be interested in knowing the Bureau of Home Economics has a recent bulletin, "Work Clothes for Women." These are especially designed work clothes, both practical and attractive. Dresses, coveralls, suits, aprons are featured for safety, comfort, freedom and appearance. Bulletin is illustrated with clear and detailed descriptions of each style. Address Home Editor, *Kansas Farmer*, Topeka, for a copy of the booklet. Price 5c.

my little garden.—Mrs. A. Aikins, Jefferson Co.

... I got a good many useful helps from them especially about Dahlias. And I am going to follow instructions on caring for tubers.—Mrs. F. M. Hogan, Linn Co.

... hope you will see fit to continue with his articles.—Mrs. Iva J. Blasdel and Mary Ryan, Harper Co.

... first thing I looked for was Frank Payne's flower article.—Mrs. Grace Shouse, Ottawa Co.

... they are interesting and helpful.—Mrs. H. C. Hildebrand, Meade Co.

... by all means keep them coming.—Anna Webster, Geary Co.

... requesting that Mr. Payne keep on writing about care for your flowers.—Elwyn Taylor, Logan Co.

... enjoyed articles on flowers. Surely hope you will have more.—Mrs. E. D. Hobbie, Mitchell Co.

... they are very interesting and helpful to flower growers.—Mrs. Homer Pearce, Barber Co.

... we received so much good from the flower articles.—Mrs. Sarah Thompson, Cherokee Co.

... I've saved each one.—Mrs. Charles Parsons, Brown Co.

... flower lovers must all look forward to such articles.—Mrs. E. A. Cowles, Butler Co.

... I do wish he would write more because it is great help.—Mrs. William Mattas, Ellsworth Co.

... would like very much to see more articles on flowers by Frank Payne printed in *Kansas Farmer*.—Mrs. Carl A. Campbell, Shawnee Co.

... I am saving every one of *Kansas Farmer* papers with Frank Payne's flower talks. Please keep them coming. I have a large collection of flowers both indoors and out, and there is a lot I have to learn about them.—Mrs. George Jackson, Phillips Co.

... I have read and enjoyed and applied some advice you have given in your series of articles on growing

Useful Information

If interested in having a copy of any one of the following *Kansas State College Extension* bulletins, please address a post card to Bulletin Service, *Kansas Farmer*, Topeka, and your order will have our prompt attention.
Inexpensive Silos for Kansas.
Landscape Calendar.
Balanced Farming & Family Living.
Spray Pen for Cattle.

plants. There are many other things you could write about, I am sure. Would like to continue reading your articles (by Frank Payne) in *Kansas Farmer*.—Mrs. E. G. Matthew, Butler Co.

... sincerely hope he (Mr. Payne) continues to write for *Kansas Farmer*.—Mrs. R. R. Trimble, Jefferson Co.

... they are all very helpful.—Mrs. Glen R. Parrish, Mitchell Co.

... just a note to tell you I greatly appreciate the articles.—Mrs. R. J. Johnson, Cloud Co.

... would like very much to have them continued.—Mrs. Edward Esau, Butler Co.

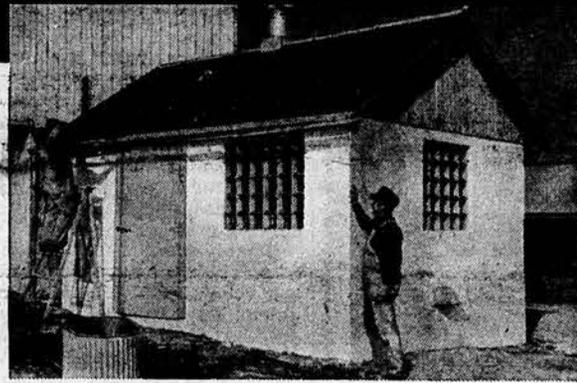
... would appreciate another series.—Mrs. Abe Friesen, Thomas Co.

... think they are very good.—Mrs. Gail Wilson, Saline Co.

... keep Mr. Frank Payne writing on flowers.—Mrs. William Hartog, Crawford Co.

... we flower lovers enjoy them immensely and I wish to thank you and Mr. Payne for your efforts.—Mrs. Chas. Murray, Linn Co.

Meet higher milk standards with a sanitary milk house



Standards of cleanliness in the handling of milk are steadily being raised. To meet these standards and produce top quality milk, a sanitary milk house is a necessity. More than that, it is a real saver of time and labor.

By far the most popular milk house is one with concrete floors and concrete masonry walls. That's because it's simple to build... easy to keep clean... costs little to maintain and will last a lifetime.

Your Lehigh Dealer will be glad to advise you regarding this and other concrete construction. See him the next time you're in town.

 3 men and a boy can build a milk house like this which requires:

FOR FOOTINGS AND FLOORS
34 sacks Lehigh Cement
3 3/4 cu. yds. sand
4 1/4 cu. yds. gravel

FOR MASONRY WALLS
3 sacks Lehigh Mortar Cement
1/2 cu. yd. mortar sand
250 8 x 8 x 16-in. regular blocks
74 8 x 8 x 16-in. corner return blocks
30 8 x 8 x 8-in. corner return blocks
55 glass blocks

NOTE: Estimate allows for two steel window openings (for ventilation) on the two walls not shown in the photograph.



LEHIGH PORTLAND CEMENT COMPANY
ALLENTOWN, PA. • CHICAGO, ILL. • SPOKANE, WASH.

Read the Ads in This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of *Kansas Farmer*. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

FOR QUICK, EASY FALL FENCING

PARMAK
PRECISION

World's Largest Selling

ELECTRIC FENCER

for Pasturing Winter Wheat - Hogging Down-Corn

Parmak Saves Time, Labor, Money. Permanent or temporary fencing... solves your fencing problems throughout the year.

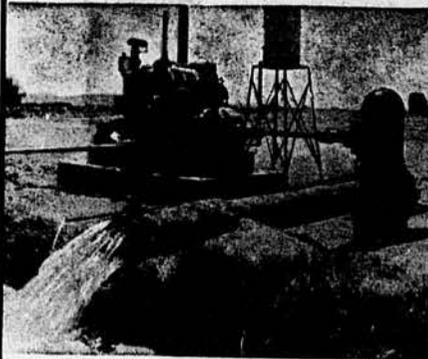



Parmak has every proven feature essential to effective fencing. Install anywhere on farm. For long service and dependable results, it will pay you to begin with—or change to—the best. Fully guaranteed. Install your Parmak today and increase your stock profits.

THREE MODELS \$13.75 to \$22.50

See your local dealer or write for Dealer's name.
PARKER-McCRORY MFG. CO.
2609 Walnut St. Kansas City, Mo.

Don't Gamble On Water for Crops



Investigate The JOHNSON Right Angle DRIVE

The Johnson Gear Drive has outstanding engineering features that pay big dividends . . . delivers unfailing service, 24 hours a day—day in and day out—assuring low-cost water for bumper crops and more profits.

Thousands in successful use on farms all over the United States. Readily available in types and sizes to meet the needs of small or large acreage. The Johnson Right Angle Drive excels in these features:—

- MODERN DESIGN
- COOLER OPERATING TEMPERATURE
- LUBRICATION OVER WIDE SPEED RANGE
- QUIETNESS OF OPERATION
- ALL WEATHER SERVICE
- COMPACTNESS • EFFICIENCY
- LOW COST OPERATION

Don't gamble on rain for thirsty crops. Get the facts on the Johnson Gear Drive. Send for FREE Illustrated Folder.

— — MAIL THIS COUPON TODAY — —

JOHNSON GEAR & MANUFACTURING CO.
921 Parker St., Berkeley, California
Please send me FREE Illustrated Folder

NAME _____

RFD & BOX NO. _____

CITY _____ STATE _____

RAIN

WHEN YOU NEED IT



Portable Galv. Steel or Aluminum Pipe

Patented Horseshoe Latch Quick Coupler
STRONG — FLEXIBLE

End drought threat, and insure ample rainfall for the growing season by installing an ATLAS PORTABLE SPRINKLER IRRIGATION SYSTEM designed by experienced irrigation engineers. Write for free catalog today.

ATLAS SUPPLY DIVISION

JONES & LAUGHLIN SUPPLY CO.
407 North Main St., Muskogee, Okla.

Your Order Now Insures
GRASS SILAGE
with Next Spring's Hay Crop

- ★ No problems with frost, moisture, acid
- ★ Tight-as-a-drum construction
- ★ The ideal silo for both grass and corn

"Fair Deal" in "Deep Freeze"

(Continued from Page 5)

The Indiana legislature this year passed a law to make relief rolls public. Oscar Ewing, Federal Security Administrator, cut off Indiana's 20-million-dollar contribution from the federal treasury for public assistance measures.

The Jenner rider, now law, provides that no state or agency or political subdivision shall be deprived of any grant-in-aid or other payment for old age, dependent children, blind and permanently disabled, by reason of state legislation prescribing conditions under which public may have access to the records.

The Kansas Constitution, like that of most states whose constitutions follow the original Ohio Constitution, requires publication: "An accurate and detailed statement of the receipts and expenditures of the public moneys, and the several amounts paid, to whom and on what account, shall be published, as prescribed by law."

The effect of the federal ban on publication of names and amounts received in the designated classes, it is urged by those who got the ban lifted, has been to make possible unjustified payments in secret, and to give administering agencies unwarranted power to pay out public moneys secretly. The power has been abused, of course, for political and other purposes.

Michael Di Salle, OPS director, insists that beef and beef cattle price controls will not be lifted, that new enforcement regulations are coming up. The controls are not working. Army is not getting beef in sufficient quantities. Packers say they cannot get enough cattle at ceiling prices to meet the army demand. The bureaucratic

minds are working on the problem.

Rep. Wint Smith (Sixth Kansas) suggests that Mr. Di Salle give up trying to get Congress to impose slaughtering quota on livestock and that the policy makers bend their energies toward putting slaughtering quotas on human beings in effect in Korea. Congressman Smith also is a brigadier general (KNG), veteran of both World Wars.

Representative Smith takes a dim view of the future.

"Heavy taxation always follows public debts—as surely as night follows day," he says. "Our public debt mounts daily. There comes a time when Government has to take the products of all labor in order to apply on the public debt—then comes the time when the next step is prohibition against private property—when the Government starts giving food and housing and whatnot. Will someone please tell me the difference between the Welfare State and the relation of the slave owner and his slaves? In fact, slavery is just a form of the Welfare State—its restrictions and benefits are the same."

Senator Taft at Cincinnati: The United Nations has proved an "utter failure as a means of stopping aggression."

John Foster Dulles, a Dewey protege, urges return to the bipartisan foreign policy: "You can't get any great results on a purely partisan basis because the other nations won't follow us."

As the bipartisan foreign policy operated, we got "unconditional surrender," Tehran, Cairo, Yalta, Potsdam; Russia got Eastern and most of Central Europe, China and perhaps most of Asia.

A Record 4-H Family

By RUTH McMILLION



CHAMPION 4-H FAMILY: Meet the Green children, of near Ashland. Back row, left to right, Bobby 14, Janatha 16, Richard 12, Roger 13, Charles Gordon 19; front row, Margaret 8, and Beth Ann 10.

LET me introduce Mr. and Mrs. Charles Green, Jr., of Ashland, and their 7 children in 4-H work. These children, Charles Gordon age 19, Janatha 16, Bobby 14, Roger 13, Richard 12, Beth Ann 10, and Margaret 8, represent 54 4-H projects completed since 1947. These projects not only indicate a lot of hard work for the young folks but also declare persistent management on the part of Mr. and Mrs. Green.

Some of the projects include maize, both fat and breeding hogs, breeding heifers, baby beef, chickens, lambs, colts, cooking, sewing, deferred steers and 3 calves caught in Catch-It-Contests.

The Greens are busy operating their 2,200-acre ranch which consists of grass and cropland, plus running 200 head of range steers and registered cows.

This year the oldest child, Charles Gordon, is in his last 4-H year and their youngest child, Margaret, is in her first year.

In their 4 years of 4-H the boys have

had 2 grand champions and 2 reserve champions in the county baby-beef class.

The children have yards of pins and awards, and when one young fellow bedecked himself in them he looked like a veteran of many military campaigns.

Charles made State Farmer, an FFA award, this year and was presented his award at the state FFA meeting in Manhattan. There were 6,000 eligible for State Farmer in Kansas and 132 picked.

Charles has been 4-H champion in swine, beef and projects. He also won the Meat Animal award in the county as presented by Wilson Packing Company.

The Greens belong to the Acres 4-H Unit which meets in the county 4-H building in Ashland. The parents attend these meetings and take a basket supper, thus parents and children plan together; this is probably the key to the success of the projects. Mrs. Green has been 4-H leader 3 years and Mr. Green leader one year.

Mr. Green's parting statement in regard to these 4-H projects is that this year he hopes some of the children will consent to a garden project, thus prompting some garden hoeing.

Protects Fingers

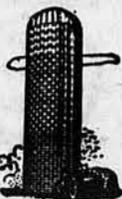
If moleskin adhesive tape which has a soft covering is wrapped around the handles of scissors to pad them, it prevents sore or blistered fingers.—Mrs. Mable Baker.

A KOROK SILO...

... is the answer to all your grass silage needs . . . Next spring's wet weather is bound to slow down construction. So let our crew install your Korok this fall. Send a postcard for complete details.

INDEPENDENT SILO CO.

777 Vendella St., . . . St. Paul 4, Minn.



Be sure

when you

CURE!

FARM FOLKS FAVOR

Sugar at its best!

The Story of the Capper Foundation

tells of crippled children made whole! Of sad parents made happy! It tells how you may help in this expanding program of healing. Write for your free copy of the story today.

THE CAPPER FOUNDATION
for CRIPPLED CHILDREN
Capper Building • Topeka, Kansas

Keep the good layers

Cull out the balance

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

FOR POULTRY

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

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

Hold Soil Erosion Control "Air Tour"

By HURSHAL E. BOYD

OCTOBER 11 will be remembered by dozens of Brown county farmers as the day their "air attack on soil erosion" really began, and with added enthusiasm. On that day, at the Hiawatha municipal airport, more than 245 farmers flew over their farmlands in planes provided and piloted by several Flying Farmers and local airmen. Wes Seyler, farm service director of Radio Station WIBW, also flew on the tour, and made a tape recording for radio broadcasts.

The group viewed the ravages of erosion on untreated farms. They saw firsthand the beneficial effects of properly applied conservation practices. Pilots were helpful in pointing out effective erosion-control measures, as well as evidences of need for conservation treatment. Farmers were very interested in comparing their conservation

efforts with those of their neighbors. Every farmer was flown over his own land.

On the radio broadcast, Mr. Seyler talked with Nathan K. Babcock, chairman of the board of supervisors of the Brown County Soil Conservation District; C. E. Crews, SCS district conservationist; Harvey Goertz, county agent, and Lonnie Lambertson, county member of the Kansas Flying Farmers Association. Highlight of the broadcast was an "air" interview with Reuben Neher, who lives on a farm near Hiawatha. His personal highlight of the "air tour" was that he could see water leaving his farm in a crystal-clear state. Every acre of his farm is terraced, and in one draw there are 5 ponds. More ponds are to be created with drop inlet structures, and outlets of all terraces are so protected.

Chamber of Commerce Ag Committees Aid Agriculture

MANY state and city chamber of commerce agricultural committees are doing excellent work in advancement of agriculture and better understanding between rural and city folks. Several outstanding programs over the nation were reported at the recent annual meeting of the National Association of Chamber of Commerce Agricultural Executives, at Topeka.

Here is what some of the groups are doing:

Minneapolis, Minn., Chamber—Sponsors a Farm Forum, and invites farmers, businessmen, newspaper and radio men, county agents, vocational agriculture teachers. Agricultural developments and problems are fully "aired."

Cleveland, O., Farmers Club—Sponsors an Annual Awards Program, honoring those who have done outstanding jobs in: restoring farms and land, specializing in livestock or crops, farm forestry practices, and dairy production activities. Also sponsors a tour of farm and city women to Cleveland and to farm areas.

Nashville, Tenn., Chamber—Sponsors a Community Improvement Project, to encourage communities to work together in developing agricultural practices and better homes, to help develop new rural leadership, and to improve rural-city relationships.

Fort Worth, Tex., Chamber—Sponsors a speaking program, bringing in national leaders in various lines such

as economics and research. Also cooperates in an annual rodeo and annual livestock round-up.

Rome, Ga., Chamber—Co-operates in cattle auction, sheep show and sale, fat-barrow show and sale, and weekly livestock sale.

Alabama State Chamber—Performs service to the Alabama Cattlemen's Association by promoting farm-business relationships, helping to put out a new directory of livestockmen, and legislative agricultural measures.

St. Louis, Mo., Chamber—Aids in Balanced Farming Program in improving community life and agricultural activities, and aids a farm-study activity of a St. Louis agricultural society.

Houston, Tex., Chamber—Co-operates in annual Houston Area Dairy Day, Dairy Herd Improvement Association programs, and sponsors a dairy "Oscar" award, honoring top dairymen.

Topeka Chamber—Sponsors annual Barrow Show and Swine Improvement Day, Brome Grass Seed Production Contest, and annual 4-H Club Achievement party.

Wichita Chamber—Co-operates in annual Kansas National Livestock Show and in improving it, and recognizing 4-H Club members and leaders with banquet and awards.

Kansas State Chamber—Co-operates in Balanced Farming Program, legislative research program, and flood control program.

New Hog Cholera Vaccines Now on Market

SEVERAL new hog cholera immunizing vaccines are being announced which give promise in the eventual conquest of the most damaging and widespread of all diseases attacking swine.

Rovac is a product of Lederle Laboratories Division, American Cyanamid Company. Considerable experimental work with the new vaccine was done at their plant in St. Joseph. There have been extensive field trials, more than 1,000 hogs being immunized on the Gordon Medsker farm, at Pumpkin Center. Most states have given approval for sale and distribution of Rovac. It will be marketed thru drug stores and veterinarians, its use being subject to regulations from the state veterinarian's office.

Here are advantages of Rovac:

- (1) A single injection will give protection one week following vaccination. This means labor-saving and less cost.
- (2) Estimates are the cost will be at least half of previous methods.
- (3) There is a short time required for immunization—3 or 4 days.
- (4) There is no danger of contamination of premises with disease-producing hog cholera virus.
- (5) Special pre-vaccinal and post-vaccinal feeding care not required.
- (6) No deaths from field exposures.
- (7) Pigs are not thrown off feed.

To be most effective, there are several precautions to follow in using Rovac. Animals to be vaccinated must be in good state of health. It is preferable the animal be hog-cholera-susceptible

to assure development of high-grade active immunity. Don't vaccinate until 2 weeks or longer after weaning.

A prediction has been made that this new development may lead to the eventual conquest of hog cholera. It was made by Dr. James A. Baker, Veterinary Virus Research Institute, New York State Veterinary College, Ithaca, N. Y. The new method differs from the one now largely employed in that hogs would be inoculated only with the attenuated virus instead of with live virus. Also, the previous method had a simultaneous injection of anti-hog-cholera serum.

M.L.V. is another of the new vaccines released for use. It is a product of the Fort Dodge Laboratories, Inc., Fort Dodge, Ia. M.L.V. is a modified live virus, is used with a dose of regular hog-cholera serum. Ten days to 2 weeks after weaning is suggested as an ideal age for vaccination. However, dosages have been used satisfactorily on a limited number of pigs 5 weeks of age or older that were still nursing and on adult swine. It is thought M.L.V., when used along with serum, might give a lifetime immunity to hogs, and tests are underway on this.

Swivax, a third new vaccine, is a product of Allied Laboratories, Inc., Indianapolis, Ind. It also is a one-shot vaccine, using no serum. Like Rovac, Swivax does not contaminate premises, avoids danger of transmitting other swine diseases to the herd being vaccinated, is economical and labor-saving.

The Way to be Sure of Honest Value

Look for the **RED BALL** Trade Mark

when you Buy Weatherproof Footwear



That familiar trade-mark identifies BALL-BAND Footwear and the stores that sell BALL-BAND. It stands for honest footwear value today—just as it has for more than fifty years. When you buy Weatherproofs with the Red Ball on the sole, you know that you are getting BALL-BAND Quality that means true economy and BALL-BAND Comfort that comes from correct fit and warm, dry feet.

Be sure to try the new *Liqua-Flex* footwear—another BALL-BAND Development, lightest weight and most flexible of all Weatherproofs.



2-SNAP GAITER. A becoming style for women and girls, light, convenient, smart fitting. Black or brown.



ARCTICS. 4 and 5 buckle heights; Securely anchored buckles, sturdy soles, correct fit.

Ball-Band Weatherproofs

M I S H A W A K A O I N D I A N A

MAKE A BIRTHDAY GIFT to Crippled Children

The Capper Foundation for Crippled Children, Topeka, Kansas

BUY U. S. SAVINGS BONDS TODAY

WORLD'S BEST BARGAIN

MODEL "H" **POST HOLE DIGGER**
America's best low-cost digger. Fits all tractors. Easy mount and transport. Quick clean holes to 44" deep. P.T.O. drive. Replaceable cutting blades. Save time and labor. Lower fencing costs. Do a day's hard, hand work every hour. Also, one man super-diggers available.

WRITE FOR FREE FOLDER TODAY!

WIN-POWER
NEWTON, IOWA

Symbol of Quality

Diamond Top

Tongue-Lock CONCRETE STAVE **SILOS** QUALITY

... in production ... in erection

An Early Order will Assure you of a Silo.

McPHERSON
CONCRETE PRODUCTS CO.
904 W. Euclid St. McPherson, Kansas

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
1/2	\$4.90	2	\$19.80
1/4	\$2.90	3	\$29.40

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 Combs Chicks from real ROP trapnest-pedigree farm. Top quality egg production breeding. Combs Leghorn Chicks, 250-322 egg sired. Strain-crossing gives real boost, livability, production. Astra-Whites, ROP breeding. High-speed layers. Crossbred vigor. State College White Rocks. Fast feathering. Good layers. Excellent meat birds. Early order discount. Free circular. Combs & Son, Box 6, Sedgwick, Kan.

Thousands AAA Pullorum Controlled Chicks—White Leghorns, Astra-Whites, Hamp-Whites, \$9.90; pullets, \$15.40; cockerels \$6.95; White Rocks, New Hampshire, Wyandottes, Barred Rocks, Rhode Island Reds, \$10.90; pullets, \$13.40; cockerels, \$10.40. Heavy Assorted, \$7.90. Prepaid. Live arrival guaranteed. Cass County Hatchery, Garden City, Mo.

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

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

● DUCKS AND GEES

Mammoth White Embden Geese. Laurence Mille-son, Route 1, Salina, Kan.

● SEEDS

Grass Seeds—Intermediate Wheat grass, Tall Wheat grass, Bromegrass. A complete line of grass and legume seeds. Guaranteed quality. Write today for prices. Specializing in grasses for 10 years. Miller Seed Co., Box 1823, Lincoln, Nebr.

King Ranch Bluestem Grass Seed. Planting instructions and prices. Guy Hutchinson, Uvalde, Tex.

● PLANTS AND NURSERY STOCK

Quick Bearing Fruit and Nut Trees, Shade Trees, Grape Vines, Berry Plants, Everblooming Rose Bushes, and Flowering Shrubs at Money Saving Prices. State and federal inspected. Satisfaction guaranteed. Write for free colored catalogue. East's Nursery, Amity, Arkansas.

● FLOWERS AND BULBS

Free Rose Catalog—32 pages, full color, showing 1952 All-American winners and 140 varieties of rose garden favorites. Arp Roses, Inc., Box 178-KF, Tyler, Tex.

Hardy Tall Phlox—200 varieties. 25 assorted plants, \$1.30 all different perennials. \$1. Postpaid. Sunnyside Gardens, Madison, Nebr.

● LIVESTOCK ITEMS

Make More Profit under average farm conditions. Raise Milking Shorthorns. For average farmer Milking Shorthorns are unbeatable. Produce 4% milk. Have greater carcass value than other breeds. Second to none in producing milk and meat from home-grown roughage and grain from your farm! Write for Facts and Free sample copy of Milking Shorthorn Journal. American Milking Shorthorn Society, Dept. KF-5, 313 So. Glenstone, Springfield 4, Mo.

● DOGS

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.

AKC Litter Registered Collie Pups. Sable and white and tri-colored. Females \$20, males \$30. Ralph Lupter, Ralalf Farms, Larned, Kan.

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

● RABBITS AND PIGEONS

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

● FARM EQUIPMENT

SILO SEAL Protect your silo walls. Write today for free literature. McPHERSON CONCRETE PRODUCTS CO. 904-1126 West Euclid, McPherson, Kansas

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

● ELECTRICAL EQUIPMENT

For Sale and Trade—32-volt batteries, used (new Hastings batteries), windchargers, motors and appliances. We trade 110-volt appliances for 32-volt outfits. Tommy's Electric & Battery Factory, Minden, Nebr.

● MACHINERY AND PARTS

Post Hole Digger—Rapidigger for Ford or Ferguson tractors, 100% belt drive, safe, fast, economical. Many features that highest priced diggers don't have. Say many who have used 5 years, and is 1/2 the price. Guaranteed performer. Write for information. Rapidigger—4605 Lowell, Lincoln, Nebr.

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

Something New: Push button control from tractor seat for corn pickers. Write for circular. Hyatt Mfg. & Supply Company, Kimball, Nebr.

4-5-Plow Size Tractor. International I-9, looks and runs good. \$1,600. Paul Pippitt, West Line, Mo.

● HOBBIES—HOMECRAFT

Leathercraft. Everything needed by beginners, advanced hobbyists and professional leatherworkers. Largest stock of supplies in U. S. Moderate-priced tooling leathers, top quality calfskins, tools, supplies, kits. end 10-10-51. Catalog. C. Larson Co., 820 S. Tripp, Dept. 1491, Chicago 24.

● FILMS AND PRINTS PHOTO CHRISTMAS CARDS

16 deckle Christmas cards and envelopes for \$1.00 from your negative. Add 35c if you send a picture. 8-exposure roll developed and printed 25c. Summers Studio, Unionville, Mo.

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

Box 1068-KF Topeka, Kan.
Two Sets of "Deckledge" Prints with every 8-exposure roll finished 40c. Very finest quality. "Deckledge" reprints 3c each. Jumbo reprints 4c each. Brown Photo Company, 1910-32 Emerson, Minneapolis, Minn.

Don't Bother with Small Pictures! Get them all blown up. 8-exposure roll printed in Giant Size 35c. Free development, fast service. Giant Foto Service, Box 2064, Dept. K, Lincoln, Nebr.

Jumbo Prints—8-exposure, 35c. 12-exposure, 50c. 16-exposure, 65c. Reprints, 5c each. The Foto Farm, Dept. KF, Box 228, Norfolk, Nebr.

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

16 Prints or 8 Jumbos from roll, 25c with this ad. 1 Skrudland, Lake Geneva, Wisconsin.

● AUTOMOTIVE

Sheppard Diesel: New 6M conversion kit to change Int'l M to full Sheppard diesel power. Sell below dealer cost. \$875. Tom's Auto Electric Service, 215 S. Gilbert, Danville, Ill.

● EDUCATIONAL

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

Be An Auctioneer. Terms soon. Actual experience. For information, write Missouri Auction School, Dept. 22, 3241 Paseo, Kansas City, Mo.

● WANTED TO BUY

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

Canaries, Parakeets Wanted—Best prices. Write for shipping directions. American Bird Co., 2609 W. 25th Pl., Chicago 8.

● SAVINGS AND LOANS

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

● AGENTS AND SALESMEN

Make Money Showing Neighbors how to beautify yards with glorious flowering shrubs and trees. Quick-bearing Dwarf fruit trees; World Famous Star patented varieties produce abundant harvests champion-quality apples, pears, peaches, other fruits. Even small plots produce fruit for family use and to sell. Beautiful Sales Kit free. Stark Bros., Dept. 30352, Louisiana, Mo.

● OF INTEREST TO WOMEN

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.

Stainless Steel, 18-8 Vapor Seal Sauce pans. One quart, \$6.50; two, \$7.98; 3 1/2, \$9.49; six, \$13.50. Eight-cup percolator, \$13.50. Major Company, 71 Millford, Springfield, Mass.

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

Ladies Full Fashioned Nylons: 3 pairs factory rejects and 1 pair select grade for \$1.00. Satisfaction guaranteed. MidSouth Hosiery Co., Box 391, Rossville, Ga.

Wedding Invitations, Napkins, Registers for Golden, Silver Anniversaries. Maas & Co., Bonner Springs, Kansas.

● 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.

● MUSIC

Get Free Song Book! No charge, no obligation. Simply write for free 24-page catalog illustrating world-famous "Everybody's Favorite Series" music book collections. This catalog enables you to select and order from 86 books, totaling over 15,000 pieces of the world's best loved Standard, American Folk and Classical Music arranged for piano, vocal and all instruments. Free music book comes with catalog. Limited offer! Amco Music Publishing Company, 62 West 52nd Street, Dept. 13, New York 19, N. Y.

● FARMS—MISCELLANEOUS

United Farm Agency's new free winter catalog of farm and country real estate bargains—just press—can help you plan soundly for your future security in the country. Hundreds of America's newest bargains, good pictures, many states, easy terms, many equipped. For special service, state requirements, desired location. Write for your catalog today—It's free! United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

Free new 20-page illustrated booklet describing unusual opportunities for diversified farming in the Ozarks. If interested in a new location, write immediately for this free booklet. C. B. Michelson, General Agricultural Agent, Frisco Railway, 203 Frisco Building, St. Louis, Mo.

Strout Catalogs: East and Midwest Red cover; West Coast edition Blue. Farms, homes, businesses, bargains galore. Either mailed free. Strout Realty, 20 West 9th St., Kansas City 6, Mo.

Free—New list of Southwest Missouri; diversified farms, ranches, grade A dairies, ideal climate, 10 months grazing; \$40 to \$100 per acre. Globe Realty Co., 2427 College, Springfield, Mo.

Cheap Homes, lands in beautiful, healthful, fertile Ozarks. Abundance free stock range. Free literature, land lists. Write, Barnsley, Clarksville, Ark.

Ozark—80, 35, 128-acre tracts, fenced, plenty water. Ray Harmes, Owner, Mansfield, Mo.

● FARMS—KANSAS

240-A. Stock Farm. Large grade "A" barn with water, 5 apartment poultry house. Garage. Tenant house, 90 A, tillable, balance grass. 6-room modern house with furnace, insulated. Good fence, plenty water, 10 miles Lawrence, \$20,000. 120 A. Grade "A", 90 acres tillable, 30 acres pasture with some timber. 2 good barns. Garage, chicken house, brooder house, corn crib. 6-room modern house, 5 miles from town on U. S. highway. Close Lawrence, Topeka, \$13,000. Leech-Roth Real Estate, Okaloosa, Kan.

● REMEDIES—TREATMENTS

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

● OF INTEREST TO ALL

Free Septic Tanks! Clear, prevent blocked septic tanks, cesspools and outdoor toilets with No-Clog. Simply add water! Safe, sure decomposition of wastes, greases and fats. Non-injurious to metal, concrete. Can't kill helpful bacteria but fortifies them. Eliminates costly repairs, digging, pumping. Only \$1.25 at farm, hardware suppliers. Or send to Dept. E, 628 Dean St., Brooklyn, N. Y. Free booklet "Care of Septic Tanks with order."

Personal Rubber Stamp saves time and money! Use on stationery, envelopes, cards, labels, books, etc. Send coin; no C.O.D. Name and address 40c; inkpad 25c; postpaid. Order now or send for free catalog, enclose 3c for return postage. Stamp Shop, Box 382, Rochester 2, New York.

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

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

Cesspools, Septic Tanks, outdoor toilets, cleaned and deodorized with amazing compound; saves digging, free details. Dig-No-More Co., 2611-I Harriet, Minneapolis 8, Minn.

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

Superfine Razor Blades—100 for \$1.00. Metal name plate free. Allen, 216 W. Jackson, Chicago, Ill.

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

Kill Insects in Stored Grains

Insects in bins of farm-stored wheat take large bites of Kansas farm income, comments Prof. Don Wilbur, Kansas State College entomology department. He recommends 5 or 6 gallons of standard fumigant for each 1,000 bushels of grain in wooden bins and 3 to 4 gallons in concrete or steel bins at a cost of 1 cent to 1 1/2 cents a bushel.

Professor Wilbur lists these "wheat pirates" to be on the lookout for: saw-tooth grain beetles, cadelles, flat grain beetles and Indian meal moths. If applied in correct dosages in November, fumigants will kill insects in stored grain, altho ideal time for applications is earlier in the year.

No Magnesium Deficiency Problem

Kansas farmers need have no worry about magnesium deficiency in soils, say Kansas State College agronomists. Extensive field, greenhouse and laboratory experiments show "it does not seem we have a magnesium deficiency problem within the area of Kansas."

At a recent meeting of the Missouri Limestone Producers Association at Columbia, Mo., it was reported magnesium is moving up as one of the most important mineral soil nutrients and that 2 per cent of the soils in that state are deficient in magnesium.

During the period 1947 to 1950, the Kansas Experiment Station conducted numerous plot experiments in the eastern part of the state where magnesium was added to alfalfa stands. There was no significant increase in yield of alfalfa hay. Similarly, at the Columbus Experiment Field, magnesium treatment was added to soil fertility experiments in 1947 and no yield increase. It was believed by the researchers the

soil there might be deficient in magnesium if any spots in Kansas were.

In the greenhouse, magnesium treatments were made on red clover and alfalfa several times, on several different soils from Southeast Kansas where magnesium deficiencies might logically be expected. Constant increases in yields of the 2 crops thru addition of magnesium were not demonstrated. Therefore, the college agronomy department does not feel there is a magnesium deficiency problem in Kansas. In Missouri, deficiencies vary from one locale to another, with Southwest, Southeast and Northeast Missouri being most deficient in the mineral nutrient.

Collegiate 4-H Club Elects Officers

Mary Lou Edwards, Manhattan, has been elected president of the Collegiate 4-H Club at Kansas State College for the fall semester. Ivan Schmedemann, Junction City, is the new vice-president. Both were among the 1950 delegates to Europe last summer under the International Farm Youth Exchange. You'll remember reading their letters printed in issues of *Kansas Farmer* last summer and fall.

Other newly-elected officers include: Pauline Wood, Elmdale, secretary; Mary Alys Jean, Iola, song leader; Llano Thelin, Sioux Falls, S. D., reporter; Pearl Swart, Manhattan, pianist; George Wingert, Wellsville, marshal.

Rid Swine of Internal Parasites

"Sodium fluoride is the most dependable treatment for removing internal parasites, particularly roundworm, from the digestive tract of swine."

Drayford Richardson, Kansas State College animal husbandryman, gives suggestions on using this swine treatment. Mix thoroly one part by weight of sodium fluoride with 99 parts of dry ground feed. Place this feed before pigs for 24 hours. The part not eaten should be removed. Sodium fluoride is poisonous to man and animals and should be handled with caution. It is not advisable to feed sodium fluoride to pregnant sows. And it never should be fed to any animal in the form of a slop.

Bankers Again Give Soil Awards

Kansas Bankers Association announces it again is offering Soil Conservation Certificates for excellency in practices covering farm operations in 1951. Working in co-operation with Kansas State College, the KBA has made awards 6 years. Last year, 426 awards were presented to farm operators in 98 Kansas counties.

Each county may make awards to 5 farm operators, and judging is based on establishment of necessary conservation practices to prevent erosion and maintain fertility and productivity of land. Individuals are chosen for awards by committees made up of county agent, county Farm Bureau association chairman, PMA chairman, work unit conservationist, district conservationist of the U. S. Soil Conservation Service in unorganized counties, and the county key banker.

For Chipped Woodwork

If your white enameled woodwork is chipped a little and you are not ready to repaint, touch up the chipped places with white liquid shoe cleaner. When ready to repaint, it can be washed off easily.—M. O.

Give Details of Land-Restoring Program

DETAILS of the 1952 Farm Land Restoration Program for Kansas were explained October 26, in Topeka, to about 200 county agricultural delegates at a district meeting. Attending were representatives of the PMA, SCS, FHA, Extension service and farm implement companies.

The following flood rehabilitation practices on farms are approved for government financial assistance; (1) Clearing land of flood debris; (2) constructing emergency ditches for temporarily draining areas that contain residual water; (3) cleaning out, repairing or replacing permanent open farm drainage ditches; (4) leveling

land to restore it to productive use by filling holes or gullies, or leveling excessive sand deposits; (5) turning under sand deposits by deep plowing to restore damaged land to productive use; (6) repairing or replacing permanent fences damaged by floodwaters; (7) planting or replanting pasture and hay crops; (8) planting a cover crop where needed to protect the soil from wind erosion or to help restore land to productive use; (9) repairing or replacing erosion control structures, and (10) rehabilitating stockwater ponds.

For details on these practices and for rates of assistance for each, see your county committee.

Farming "Firsts"

First agricultural fair in the United States was held in 1807, when Elkanah Watson exhibited his stock at Pittsfield, Mass.

First mechanical seeder was a crude plow equipped with a hopper to receive and sow the seed. The device was used in the ancient Euphrates country.

First glass greenhouse was built in 1731, in Europe. The greenhouse dates back to the 16th century in Europe, when fruit trees and vines were grown against brick or stone walls.

First plow used by man is credited to the Egyptians, who used a "digging stick" in about 1,400 B.C. The moldboard plow wasn't invented until about 1800, by Thomas Jefferson. The Spaniards introduced the plow into Mexico about 1550 and the use spread to the Indians and to the U. S., according to the American Museum of Natural History.

First beekeeping as a serious agricultural business dates from 1851 when the movable frame hive was invented.

First agricultural show in the United States was in 1809, held by the Columbian Agricultural Society in Georgetown, near Washington, D. C.

First agricultural experiment station in the United States was the Connecticut Agricultural Experiment Station.

First popular use of the name, tractor, is generally set in the year 1906, altho the word had been coined as early as 1890. Two Iowans built the first successful internal-combustion engine tractor, so found the gasoline tractor industry.

First time rubber was used on tractor wheels in the United States was in 1871.

First factory for producing phosphatic fertilizer by treatment of natural rock phosphate with sulphuric acid was set up in 1842, by Sir John Bennet Lawes. Until then, ground bones were the only highly phosphatic fertilizer in use.

First time the name Farm Bureau was used was in 1910, in Binghamton, N. Y., to designate the farm branch of the city Chamber of Commerce.

First introduction of timothy grass into the United States is thought to have been prior to 1747.

First agricultural periodical in the United States was "The American Museum," appearing July 4, 1810, in Georgetown, near Washington, D. C. It was a 32-page monthly magazine with no advertisements, and is thought to have lasted only 2 years.



IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

A trophy will be given by the KANSAS POLLED HEREFORD ASSOCIATION to the best calf get-of-sire at the National Polled Hereford Show and Sale in Louisville, Ky., November 1-3. Making the trip will be more than 50 head of Polled Herefords, representing 5 Kansas herds thruout the state.

With an average of 365 pounds of butterfat and 10,516 pounds of milk, the 22 cow herd of registered Holsteins owned by CLYDE COONSE & SON, Horton, completed their last test year recently. The testing was carried on under the official Herd Improvement Registry program of the Holstein-Friesian Association of America. Milking was done 2 times daily and testing was supervised by Kansas State College, in co-operation with the national Holstein headquarters.

On October 12, 74 head of purebred Herefords in the OSCAR AND LLOYD GIDEON sale sold for an average of \$455. Many of the individuals in the sale were young calves. Twenty bulls made an average of \$475 and 54 females sold for \$448 per head. Top bull in this auction was lot 1, Anxiety Mixer 4th, consigned by Lloyd Gideon, Topeka, sold for \$900 to James A. McCullough, Mayetta. Lot 2 bull, consigned by Oscar Gideon, Emmett, sold to Bruce Clark & Son, Alta Vista, for \$750. Top female lot was Lady Colorado 4th and heifer calf. This pair was consigned by Oscar Gideon. The cow was sold to William Hare, Holton, and the heifer calf to Oscar Reichart. The cow brought \$475 and the calf \$290. Top female in the individual lots was No. 27, Lady Premier R 11th, consigned by Lloyd Gideon, and sold to Ivan Rodaway, Unadilla, Nebr., for \$745. Watson and Corkle were auctioneers, assisted by various press representatives.

A Cowley countian started a unique project in 1933 which now numbers 200 females of an all-white Shorthorn herd, near Cedarvale. MARK JAEVIS, banker and ranch manager, is the owner of this fine display of all-white Shorthorns. In 1933, he obtained 18 head of white grade Shorthorn cows, and then purchased purebred white bulls to put with them. He reports his calf crop is 100 per cent white calves.

This cow herd is handled in typical commercial fashion. Steers are sold off grass as stock calves. The biggest problem Mr. Jarvis finds is good registered white bulls. Mature cows in this herd have an average weight of 1,300 pounds. This banker-rancher has developed an affinity for white breeding thru his Shorthorn experiment. He lives near the ranch and raises white ducks, swans and peacocks. A herd of 28 Japanese fantail deer is another of his hobbies. A herd of white tailed deer also roams this 20,000-acre ranch. This ranch is a beautiful sight to behold, being located on highway 166, near Cedarvale.

The TRI-STATE BROWN SWISS SALE, Free Fair Grounds, Topeka, October 17, was another successful sale for breeders from Nebraska, Missouri and Kansas. Fifty-three lots were sold for an average of about \$490 per lot. Kansas breeders had the top-selling bull and female lot. Cows or heifers with small calves are figured as one lot. In this sale, the last animal to sell in the auction was the sale top at \$950. This was lot 8 cow, with baby-bull calf at side. The cow sold for \$800 to G. E. Martin, Princeton. The bull calf sold for \$150 to J. H. Lockhart, Blackwell, Okla. This top-selling lot was consigned by Henry Duwe, Freeport. Duwe had the high-selling bull in lot 9. This January yearling bull sold for \$750 to Clifford Hansen, Penalosa. Second high-selling bull at \$600 was the 14-months-old bull consigned by North Repelmar Farm, Versailles, Mo. Buyer was A. F. & V. H. Hunka, Wilber, Nebr.

This was not a sale of a few high ones and some selling at rather low prices. As a whole, prices were rather uniform—type, pedigree and production taken into consideration. There were 9 lots that sold from \$700 to \$950.

Second high-selling female was lot 1, a 6-year-old cow due to calve in December. She sold for \$925 to Mr. and Mrs. C. L. Rector, Gentry, Mo. She was consigned by Dr. A. W. Anderson, Melody Grove Farm, West Point, Nebr. F. M. Weber, Kingman, sold lot 56 and calf for \$910 which was the 3rd high-selling lot in the auction. This 6-year-old cow sold for \$710 to Roy Coldiron, Valley Falls, and her heifer calf at \$200 to A. F. Stranghoner, Ashland. Fourth high-selling female lot was from the Eastwood Farm herd, Excelsior Springs, Mo. This lot 21 cow was a 5-year-old and she sold for \$725 to G. E. Martin, Princeton, and her bull calf sold for \$100 to James Hess & Sons, LaHarpe.

Kansas breeders consigned many of the higher selling cattle and they owned 42 head when the sale was over. Kansas buyers were those already mentioned and F. M. Weber, Kingman; A. H. Luedders, Bremer; C. Hansen, Penalosa; L. W. Dillman, Emporia; M. W. Rogers, Topeka; Norman Peters, Bremen; Earl Weber, Arlington; G. E. Martin, Princeton; H. L. French, Pretty Prairie; Milan Smerchek, Topeka; Norman Holle, Marysville; Dorothy F. Stranghoner, Ashland; Max Heim, Bunker Hill; A. L. Fornwalt, Penalosa; J. W. Lust, Iola; H. W. Avery, Springhill; H. L. French, Pretty Prairie; John Letch, Bunker Hill. Several of the Kansas buyers bought from 3 to 6 head. Milan Smerchek, Topeka, was the heavy buyer, taking 6 head.

The sale average was higher than the 1950 sale with several more head being sold. Comments on the sale offering was that it was superior to the cattle offered in some of the previous sales. Several new herds were started as a result of this sale. Two hundred thirty-four head have been sold in 5 sales at Topeka and the average on the 5 sales is over \$500 per head. This speaks well for the Brown Swiss being consigned by breeders from 3 states and the prices paid indicates the good interest being shown in this fast-growing dairy breed. A good crowd attended the meeting and luncheon held at Hotel Kansas the evening before the sale. The sale was under the management of the Tri-State sale committee of which Ross Zimmerman, Abbeville, is secretary. Norman Magnussen read pedigrees, Bert Powell, Charles Cole, Glen McCormick and Mike Wilson were the selling force.

BRED EWE SALE

State Fair Grounds, HUTCHINSON, KAN.
THE KANSAS PUREBRED SHEEP BREEDERS' ASSN.
Will Hold Its 6th Annual Show and Sale
MONDAY, NOVEMBER 19



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

Judging of the show ewes, 10 a. m. — Sale, 1 p. m.

For catalog address—

KANSAS PUREBRED SHEEP BREEDERS' ASSN.
T. Donald Bell, Secretary, Kansas State College, Manhattan, Kansas

11TH ANNUAL ARMISTICE DAY HEREFORD SALE

at VALLEY VIEW RANCH, Haven, Kansas



Saturday, November 10

at the ranch 3 miles west and 3 1/4 miles south of Haven, Kansas

PRODUCTION SALE—50 HEAD, 22 Cows and Calves
Our herd sire Advance K. Tone the Kansas State College bred bull sells. 10 bred heifers. 10 Open heifers. 8 breeding bulls.

Exceptionally good FFA and 4-H prospects. Sale at 1:30 sharp. Another year has rolled around so quickly we can hardly realize we have another crop of good young calves to present for your approval. We are glad to offer you cattle in good grass condition that will do as well for you as our cattle have in the past 10 years. O. W. Fishburn & Son will add some toppy, well bred cattle to our offering. Some of these are bred to their new herd sire M. Larry's Prince by M. W. Larry Domino 46th, a son of Larry Domino 50th. We also have 10 breeding age bulls for sale at private treated.

FREE DELIVERY ON 3 OR MORE LOTS SOLD IN OUR SALE

W. H. TONN & SON, Haven, Kansas

Harold Tonn, Auctioneer

KANSAS O I C SWINE BREEDERS STATE SHOW and SALE

50 Head of Bred Gilts, Open Gilts and Boars

SYLVAN GROVE SALE BARN

Sylvan Grove, Kan.

WEDNESDAY

November 14, 1951

Show at 10 A. M.—Sale at 1 P. M.

JOIN KANSAS STATE O I C SWINE BREEDERS' ASSOCIATION

For information and sale catalog write
Vernon Zimmerman, Sec.-Treas.
Inman, Kansas

Auctioneer: Harold Tonn, Haven, Kansas



O I C's first in yield, 2nd and 4th in value over 16 carcasses of all breeds Kansas State Fair.

Dual-Purpose CATTLE

BROOKVIEW MILKING SHORTHORN HERD
Cows classified and DHIA tested. Visitors always welcome.

LOUCAST DELL FARM

MILKING SHORTHORNS
Red and roan bulls from calves to serviceable age, best of bloodlines. LOUIS MISCHLER, Bloomington (Osborne County), Kansas.

Flinthills Milking Shorthorns
2 red and white Bull Calves for sale. Walgrove and Brookside breeding.

WAYNE E. SCHURLE, Alma, Kansas

RED POLLS

For sale one 10-months-old Bull. Spring Calves, good quality and priced to sell.
W. E. ROSS & SON, Smith Center, Kansas

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

Dual-Purpose CATTLE

McPHERSON COUNTY
Milking Shorthorn Sale

Moundridge, Kansas

Thursday, Nov. 8, 1951

(NEW 4-H BUILDING—1:00 P. M.)

20 FEMALES—10 BULLS

THE FARMERS KIND FOR THE FARMER

A select group of females and bulls for the farmer and breeder. Offering includes a few polled animals.

For catalog write
C. O. HEIDEBRECHT, Sale Mgr.
Inman, Kansas

FOR SALE Red Bulls of serviceable age from RM Milking Shorthorn cows. Red 4-year-old Cow bred artificially to Retnah Roan Robin. Freshen December 1.
J. W. McFARLAND, Sterling, Kansas

REG. POLLED MILKING SHORTHORN BULLS
One roan serviceable age. \$300. Younger red bull at \$195. Baby Bulls and Heifers later on.
Ben M. Ediger, Inman, Kansas
1 mile south and 1/2 east. Phone 2911

SHEEP

SUFFOLK BRED EWE SALE

Kansas State Fair Grounds
Hutchinson, Kan.
December 1, 1951

Sale includes 50 head of bred ewes and 10 ewe lambs all registered.

For catalog write owner:
HERMAN POPP
Haven, Kansas

SUFFOLK BRED EWE SALE

Oskaloosa, Iowa
MONDAY

November 19, 1951
70 HEAD 70

American and Canadian consignors
For catalog write
North American Suffolk Sheep Breeders

Oskaloosa, Iowa

Box A 325

ANGUS Breed-Promotion SALE

Greeley, Colorado, Nov. 16



120 Registered Angus
150 Registered Females
100 Commercial Angus
20 Bulls

Strictly choice, well bred Angus. Fresh off Western range, and suited for Western and Midwestern buyers. This is not a barn or corral fed or fitted offering.

There will be granddaughters of Prince Eric of Sunbeam, and they are good. Also, individuals of Bandolier and Eileenmere breeding.

This offering will feature fine cattle from good families, such as, Bandy Maid Miss Burgess, Miss Burgess, and Juana Erica. All cattle are Tb. and Bang's tested.

Sale will be held in the Weld county livestock sale pavilion at 1:00 p. m.

Write **LESTER LJUNGDAHL**

P. O. Box 514 Laramie, Wyoming Ph. Laramie 2478
Ray Sims—Auctioneer

WESTERN MISSOURI CATTLE BREEDERS' ASSN. SALE

Tuesday, November 13, 1951, at Clinton, Mo.

SHOW 10 A. M. — SALE 1 P. M.

Selling 72 Head of Registered Angus, Herefords and Shorthorns (Horned and Polled) — 44 Bulls and 28 Heifers

The sales offering is carefully selected from over 100 association members' herds and will please any breeder or commercial herd owner. This is the 11th sale held by breeders from Cass, Johnson, Pettis, Bates, Henry, Vernon, Benton, St. Clair and Hickory counties in Missouri.

For sale catalog write to **J. ROBERT HALL, Box 311, Clinton, Mo.**
Auctioneer—C. C. McGinnis, Rich Hill, Mo. Bert Powell with this publication

The Fifth Annual Opportunity to Purchase Good Cowley County Herefords

Sale to be held at the Armory Building at

Arkansas City, Kansas
November 7, 1951

34 BULLS — 17 FEMALES

For catalog write
CHAS. H. CLOUD, Sale Mgr., Winfield, Kansas

Gene Watson, Auctioneer

Bert Powell for Kansas Farmer

Ottawa County Purebred Livestock Association Sale

November 9, 1951, Minneapolis Sale Pavilion

All registered stock except steers for 4-H. 6 Hereford Bulls old enough for service. 6 Hereford Bull Calves. 10 Hereford Females, calves to 7 years. 1 Red Poll Bull. 1 Holstein Heifer. 2 Holstein Heifers, calves out of artificial breeding, not registered. 2 Ayrshire Heifers. 3 Shorthorn Steers. 2 Angus Steers and 2 Hereford Steers all suitable for 4-H projects. 3 Berkshire Gilts from herd who showed grand champion Berkshire boar at Hutchinson, 1951. 2 Gilts and 1 Boar from Duroc herd that showed grand champion at Hutchinson, 1951. 2 Spotted Poland China Boars. 3 Spotted Poland China weanling pigs. 3 Southdown Ewes bred for spring lambs suitable for 4-H. 1 Southdown ewe lamb suitable for 4-H. 1 Hampshire ewe suitable for 4-H

For information and catalog write to
Louis Cooper, Sec. of Purebred Association, Minneapolis, Kan.
Auctioneer: Mike Wilson

COMPLETE DISPERSAL—Upham and Junghans Herd of High Producing Grade HOLSTEINS

Selling at farm, 3 miles southeast of
Junction City, Kan.—Tuesday, November 6, 1951

SALE AT 12 NOON
SELLING 90 HEAD—45 Milk Cows. 7 Heavy Springer Cows. 31 Cows now in production. 6 Heavy Springer Heifers 2 and coming 3 years old. 6 Bred Heifers, 2 and coming 3 years old. 17 Yearling and coming 2-year-old Heifers. 16 head of this year's Heifer Calves.

The bull Lazy Dell Cherry Supreme, sire of past 2 years calves, comes from a dam who last year made better than 700 lbs. butterfat.
Write for catalog to
RALPH UPHAM & ROLAND JUNGHANS, Owners, Junction City, Kan.
Bert Powell, Auctioneer Mike Wilson for Kansas Farmer

Better Hurry

Time is growing short for making entries in some livestock classes for the 1951 International Live Stock Exposition, November 24 to December 1, at Chicago. November 1 was the deadline for livestock classes, except for these: Carlot entries will be accepted thru November 17; light horse entries, November 5; Grain and Hay Show, Quarter Horse and Wool Show, November 10.
Entry cards and premium lists will be mailed upon request by the International Live Stock Exposition, Union Stock Yards, Chicago.

CK HEREFORD DAM-CALF AUCTION averaged \$1,327 on 68 head of cattle sold in their October 13 sale. Top-selling bull was lot 13, CK Crustyleven 8th, selling at \$5,550 to T. L. Welsh, Abilene. Top-selling cow was his dam, CK Cameo 57th, selling at \$3,500 to George Rodanz, Stouffville, Ontario, Canada. Thirty-three cows sold for an average of \$1,165 and 35 bull calves sold for \$1,480. This is the 1st sale of this kind in Kansas and the results were more than satisfactory. J. J. Vanier and Gene Sundgren, in making the selections for this sale, cut very deep into the breeding herd. They put into the sale some of their very top breeding cows. Calves that were sold were very outstanding and sired by some of the best bulls at CK Ranch.

Among **REGISTERED HOLSTEIN-FRIESIAN COWS** in Kansas whose recently-completed production records were recorded by the Holstein-Friesian Association of America are the following:
Owned by Wilbur C. Sloan, Cleveland—Burke Bessie Segis Fobes, 441 pounds butterfat, 13,226 pounds milk, 2 milkings daily.
Owned by Hearne Christopher, Stillwell—Upsadol Ludwig Mendo, 432 pounds butterfat, 13,859 pounds milk, 2 milkings.

Owned by E. A. Dawdy, Sallina—Posch Ormsby Johanna Bess, 672 pounds butterfat, 16,509 pounds, 4.1 per cent milk, 3 milkings.
Owned by St. Joseph's Orphan Home, Abilene—Mt. Joseph Tidy Joan, 596 pounds butterfat, 16,819 pounds milk, 2 milkings.

Owned by Lloyd Shultz, Pretty Prairie—Onabank Favorite Melody, 561 pounds butterfat, 15,383 pounds milk, 2 milkings.
Owned by Harold R. Kesler, Sabatha—Stramlawn Perfection Shady, 458 pounds butterfat, 15,173 pounds milk, 2 milkings.

Owned by Ernest A. Reed & Sons, Lyons—Steinshire Bessie Tess, 623 pounds butterfat, 18,154 pounds milk, 2 milkings.
Owned by Eugene R. Smith and J. M. White, Topeka—Sunnymede Sunflower Burke, 628 pounds butterfat, 18,934 pounds milk, 2 milkings.

Owned by Clyde Coonse & Son, Horton—Valla Vista Supreme Rose, 498 pounds butterfat, 13,941 pounds milk, 2 milkings.
Owned by Dale Kubin, McPherson—Dale-Mar Homestead Melody, 548 pounds butterfat, 13,476 pounds milk, 2 milkings, and Dale-Mar Smoky Serenity, 545 pounds butterfat, 12,432 pounds 4.4 per cent milk, 2 milkings.

Owned by Leo H. Hostetler, Harper—Leohost X Penny Tiny, 495 pounds butterfat, 13,130 pounds milk, 2 milkings.
Owned by W. G. Bircher & Sons, Ellsworth—Smoky Valley Carnation Goldie, 493 pounds butterfat, 12,992 pounds milk, 2 milkings.

Owned by Henry Topliff & Son, Formoso—Daisy Pietje of Riverview, 466 pounds butterfat, 12,150 pounds milk, 2 milkings.

The **NORTH CENTRAL KANSAS SHORTHORN BREEDERS SALE**, October 25, at the Shearer Sales Pavilion, Beloit, made an average of \$412 on 25 bulls and \$384 on 20 females. Average on 45 head sold was \$400. The crowd was not as large as it has been at some of the sales held previously but the bull demand was exceptionally good. Too many females were quite young and only a few of the bred heifers were due to calve soon. Two bulls reached the \$800 figure and the champion bull passed that figure by \$10. The champion bull of the show held previous to the sale was lot 11, a June 17, 1950, roan son of Royal Goldspur and he was bred and consigned by R. R. Walker & Son, Osborne, and he sold for \$810 to Ernest Holste, Ludell. Lot 9 was reserve champion bull. This bull was a roan May yearling, a son of Reserve Max and consigned by Julius Olson, Leonardville. He sold for \$565 to Henington & Borger, Mankato. Sam Amcoats, Clay Center, sold his last 2 Shorthorns in this sale. They were both bulls and his lot 1 bull, a February red yearling son of Village Major, sold for \$800 to Johnson Brothers, Delphos. The 4th high-selling bull at \$500 was lot 17, consigned by H. D. Atkinson & Son, Alma.

The champion female was from the Atkinson herd of Alma and she was a half sister to their \$500 bull. This bred roan heifer sold for \$545 to Harry Shiermeyer, Superior, Nebr. The reserve champion female was consigned by R. R. Walker & Son, Osborne, and she was sired by the same bull as their champion bull. This June yearling open heifer sold for \$460 to R. P. Birch, Gypsum. The high-selling female of the sale was a red 4-year-old cow sired by College Premier 8th, with red heifer calf 8 weeks old sired by Baronet Diamond Mercury. The cow was rebred to Royal Leader 3rd. She sold for \$600 to Warren Roe, Nora, Nebr. The Walkers sold an April yearling bred heifer sired by Royal Goldspur for \$450 to Bert Saint, Mankato. Several club calves were sold with prices ranging from 36 to 68 cents per pound.

This was the 18th sale for this association and in those sales they sold over 800 head of registered Shorthorns. It is hard to estimate how much breed improvement has been made thru the influence of good cattle going out from the 18 auctions. Edwin Hedstrom has been secretary of this group since the first sale was held. Bert Powell and H. Shearer, assisted by press representatives, conducted the sale.

Keep Herd Records

Keeping records of proved dams, daughters and sires is the only way to build up top-producing dairy herds. E. R. Bonewitz, Kansas State College Extension dairy specialist, says dairy cows should be fed according to production records. After keeping records in a dairy herd improvement association, dairymen can cull their herds scientifically. Often they can get more profits from fewer cows with less labor. Records also show which cows need extra grain.

TRULY THE SALES OF THE YEAR!

at the
International Live Stock Exposition



100 SHORTHORNS
Selling Wednesday
November 28
9:30 A. M.



35 POLLED SHORTHORNS
Selling Monday
November 26
at 1:30 P. M.

International Sales Pavilion
Stock Yards, CHICAGO, ILL.

Do you need bulls and females? The greatest selection of Shorthorn and Polled Shorthorns from the greatest herds of the United States and Canada.

LET'S MEET THE NEED!
Demands on the commercial market for Shorthorn calves and yearlings out of purebred Shorthorn foundation stock far exceed current numbers—demands which in recent months have brought all-time record prices for Shorthorns over other breeds. This calls for ever-larger purebred Shorthorn herds in this country to meet the needs of the commercial cattleman, with worthy herd sires and females of the right type that will build his herd and better his production. NOW IS THE TIME FOR NEW HERDS! NOW IS THE TIME FOR YOU TO INCREASE YOUR HERD!

Both Shorthorns and Polled Shorthorns judged Sunday morning, November 25. Sale Catalogs sent on request. Specify if Shorthorn or Polled Shorthorn catalog is desired.
Make reservations to Congress Hotel, Chicago.

AMERICAN SHORTHORN BREEDERS' ASSOCIATION
Union Stock Yards, Dept. KF, Chicago 9, Ill.

HOGS

DUROC BOARS

March boars sired by High Flyer and Union Leader

All registered and vaccinated. Priced from \$75 to \$100. Come and look them over or will ship.

WELDON MILLER & SON
NORCATUR, KANSAS

DUROC SPRING BOARS

Servicable age and priced to sell. Sired by sons of Proud Crusader and Nebraska Specialty. Others by Enchanter and Red Diamond. Cherry red and immune. From large litters.

A. R. MARKLEY & SONS
Mound City, Kansas

FOR SALE

2 Duroc Herd Boars. Champion breeding. King of Diamonds—best sire and individual I ever owned—he by Red Diamond. Also Deet's King, reserve junior champion Kansas 1949, by Royal King Nebraska champion 1948. Spring boars at \$60.

MEL SHEPHERD, Lyons, Kan.

HAVEN HOLLOW DUROCS

Now offering Spring Boars and Open Gilts by Stylish Wonder and Low Diamond 2nd. These boars and gilts are of the best bloodlines, registered, immune and guaranteed. Write or see G. F. GERMANN & SON, Manhattan, Kansas

FANCY DUROC BOARS and OPEN GILTS

carrying the blood of the 2 noted champions: "Fleetline" and "Harvester." They have what it takes. Registered and immune.

B. N. HOOK & SONS, Silver Lake, Kansas

ROEPKE DUROC FARM Quality Spring Boars and Gilts

Best we ever raised. Sired by 4 leading sires. Also a litter of 9 by "The All American." All registered and vaccinated.

ARTHUR E. ROEPKE, Waterville, Kan.

DUROC APRIL and MAY BOARS
Ready for heavy service. Our medium type production tested Durocs are famous for large litters and fast gains. 29 sows raised 271 pigs this spring. Willard H. Waldo, DeWitt, Nebraska.

POLAND CHINA BOARS

of top quality sired by the Aristocrat-Jeffersonian and Advancer. We have them priced reasonable. Write us. We are just over the line in Nebr.

BAUER BROS., Gladstone, Nebr.

Spotted Poland China Hogs

Offering registered boars and gilts. Champion bloodlines. Double immune.

EARL J. FIESER, Norwich, Kansas

Berkshire Hogs, Serviceable Ages

Sired by Lynnwood Royal and Modern Superior. Fed right, bred right, priced right. Write or visit at once. F. LUTTRELL, Paris, Missouri.

REGISTERED HAMPSHIRE

Good spring boars and open gilts, some with litters, bred sows and gilts.

JOHN GAREIS & SONS, Wamego, Kansas

LITTLE ADS BRING BIG RESULTS

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

Ride the Pony Express for Better Herefords by Attending
**THE THIRD PONY EXPRESS REG.
HEREFORD CONSIGNMENT SALE**



Purebred Livestock Sale Pavilion

Monday, Nov. 12---South St. Joseph, Mo.

100 HEAD SELL (Both Horned and Polled)

Consigned by the good breeders of Missouri and Kansas, including a dispersion of the younger cattle from the SWARTZ BROS. herd at Soldier, Kan. Since Don Swartz is employed as veterinarian for the Penney Angus and Emmadine herds near Hamilton, Mo., and Max Swartz is in veterinarian school at Manhattan, Kan., all the younger cattle of this herd will be dispersed. They will sell 40 head rich in WHR, ROYAL DUKE and PREMIER breeding.

2 Yearling Bulls—2 Coming Yearling Bulls—6 Cows with calves at side—3 Bred Cows—1 Bred Heifer—14 Open Heifers

All the younger cattle are sired by CK Royal Duke 3D that sold for \$5,000.00; a son of WHR Royal Duke 33d.

All the cows are bred to WHR Royal Duke 43d, bred by Wyoming Hereford Ranch. Most of the open herefords are sired by GCF Princeps Dom. 101 and O Prince Domino 20. A real offering of cattle.

SPECIAL CONSIGNMENTS—10 head of yearling and 2-year-old registered Polled Hereford bulls ready for service. These bulls are of Advance Domino; Ridley; Battle Domino and Wildale breeding. These bulls are consigned by John C. Wilson Polled Hereford Farm, Monticello, Mo. 2 good coming 2-year-old horned bulls, grandsons of Larry Domino 50th. One is a son of M. W. Larry Domino 36th; the second bull is a son of M. W. Larry Domino 87th. They are consigned by J. C. Penney, Hamilton, Mo. 20 bred horned Herefords with calves at side are consigned by Dean Page, Milan, Mo. There will be 35 head or more consigned by Joe Martin, DeKalb, Mo.; Marie Hereford Farm, Savannah, Mo.; Perry A. Brown, Union Star, Mo.; Charles E. Atwater, Netawake, Kan., and a number of other breeders from Missouri and Kansas. All cattle tested for TB, and Bang's.

Plan now to fill your needs for both Horned and Polled Herefords at this auction. Attention Breeders: Mail your late consignment to Sale Manager at once.

For catalog or further information write:

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

Auctioneers: Cols. Freddie Chandler, Jim Morris and Dave Kauffman

**PLAIN VIEW FARMS
PRODUCTION SALE OF
REG. POLLED HEREFORDS**



**November 21, 1951
at the farm south of
Enterprise, Kansas**

60 HEAD

In this sale there will be 10 bulls and 15 females by PVF Beau Advance. Advance More 9th reserve champion Polled bull at Ft. Worth in 1951. This bull also sells. Many of the heifers are bred to this top bull. Advance More 6th and 7th, one-half brothers to the 9th are very strongly represented in the offering. Advance More 6th was the top-selling bull in our last sale. We retained one-half interest in this bull so that we might use him in the herd. Polled Larry Domino, a great sire, is selling because so many people have requested that we put him in the sale. There will be 8 granddaughters of the grand old bull PVF Advance Worthmore 2nd. 14 heifers by Worthmore Return. Also a top herd bull that is a son of him. 2 grandsons of PVF Worthmore 2nd. Never before have you had the opportunity to purchase Polled Herefords of such rich breeding.

For catalogs and information address:

Plain View Farms

Jesse Riffel & Sons, Owners, Enterprise, Kansas

Mike Wilson for Kansas Farmer

POLLED HEREFORD DISPERSION



November 14

Sale at 1:00 P.M. 1951
at the farm 11 miles east and
1 mile north of
Winfield, Kansas

Winfield, Kansas

103 HEAD—30 Bulls, 58 Females, 15 Calves

2 herd Bulls—Pawnee Domino 34, son of Pawnee Domino 8th, the Walkert Ravenstein herd sire, and P. V. F. Advance Triple W, son of P. V. F. Advance Worth 2nd the 1942 and 1943 champion bull owned by Jesse Riffel & Sons.

There are 40 Brood Cows, 15 with calves by side. Cows sired by Plato Domino 9th, Prince Bullion 1st and Prince Bullion 62nd of John Ravenstein breeding and others by the above 2 herd sires. 8 Bred Heifers sired by the 2 herd bulls. 10 Open Heifers and 18 long Yearling Bulls all by these 2 herd sires. 10 Bull Calves 8 to 10 months old. The 40 cows and 8 of the heifers are bred to these great sires.

FRANK WORDEN, Owner, Burden, Kan.

Write **VIC ROTH, Sale Manager, Box 702, Hays, Kansas** for sale catalogs

The females are of Ravenstein & Son breeding. They are the thick and easy fleshing kind.

Don't forget the John Ravenstein sale the day of November 15.

Mike Wilson for Kansas Farmer

**SECOND ANNUAL EVENT CENTRAL KAN.
POLLED HEREFORD SHOW and SALE
NOV. 20 at the HERINGTON, KANSAS**



Show at 9:00 a. m. — Sale at 1:00 p. m.

A banquet will be served evening prior the sale at 7 o'clock

55 Head of Polled Herefords Sell

This offering includes 55 head of Choice Bulls and Females featuring the top bloodlines of the Midwest:

CONSIGNORS

Earl Bohling, Florence
Clarence Brooks, Wayside
Glennon Crowther, Roxbury
Leo Ebel, Wamego
Harold Gingrass, Sedgwick
Norman D. Kastner, Westmoreland
Lester Kolterman, Onaga
Cecil Medley, Tampa
Clayton Riffel, Hope

Elmer Riffel, Hope
George Riffel, Hope
O. J. Shields, Lost Springs
Arthur Wittorff & Sons, Inman
F. H. Wittorff & Son, Inman
Richard Ziegler, Junction City
Robert L. Zimmerman, Alta Vista
W. R. Zimmerman, Alta Vista

(Attend the Jesse Riffel Sale at Enterprise, Kan., November 21.)

For catalogs, information and reservations for the Central Kansas Polled Hereford Show and Sale contact

O. J. SHIELDS, Sec., Lost Springs, Kan.

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

**Annual Registered
Hereford Production Sale**



**NOVEMBER 10, 1951
HORTON, KANSAS**

at the Civic Center Building

50 HEAD

14 head of Heifers sired by CK Cascade 36th. They are well grown, well developed and ready to breed. 9 Yearling Heifers daughters of WHR Royal Tredway 55th. 11 head of serviceable-age bulls, sons of the 55th. 3 Bulls sired by JCP Larry 4th. 3 Bulls by Battle Mixer 15th. 11 Calves sired by Battle Mixer 15th. Also several calves sired by WHR Royal Tredway 55th. 7 head of high quality Heifer Calves not registered. 26 head of Range Cows 4 to 5 years old, exposed to Battle Domino 74th since June 15.

This offering is of the top bloodlines of the breed. They are produced under ordinary farm conditions, and will really make good for their new owners.

Also Selling: 7 head of nice Heifer Calves (not registered). 25 head of range Cows, 4 and 5 years old, bred to Battle Domino 74th.

For catalog write the owners:

William Belden, Horton, Kan., and Al. J. Scheutz, Mercier, Kan.
Jewett Fulkerson, Auctioneer

Mike Wilson for Kansas Farmer

100 HEAD

Banbury's POLLED SHORTHORNS

For sale: "Supreme Hallmark" calved March 18, 1949. Dark Red, among the best in Polled Shorthorns. Guaranteed. Herd sire: Cherry Hill Hallmark 3rd in Get of Sire at the Kansas State Fair in 1950. Princess Coronita—Champion female at the Kansas State Sale in 1950. Calhoun vaccinated, delivered at cost in Kansas. 9 miles southwest of Hutchinson, then 14 miles west on blacktop road.

J. C. BANBURY & SONS
Plevna, Kansas

Livestock Advertising Rates

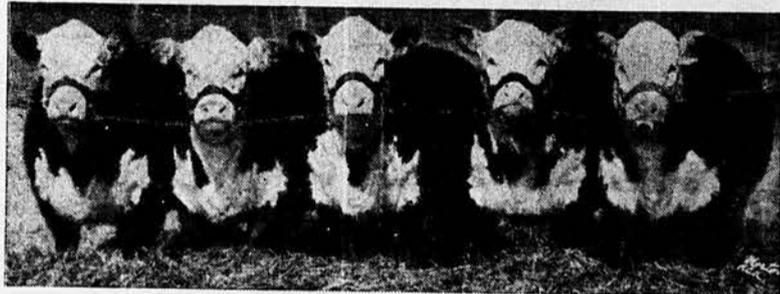
Effective February 1, 1951

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

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

MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - - Topeka, Kansas

O'Bryan Polled Hereford Sale November 17, 1951 at Hiattville, Kansas



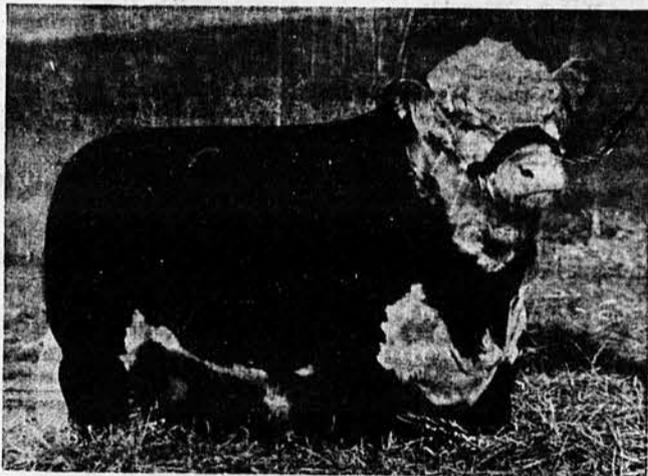
'Twill be a grand parade of Polled Herefords on November 17, when we will be looking for you. It's a big herd we've got at O'Bryan Ranch, and it's none but the best we're putting aside for you. Bred and raised like the best that they are, they'll be ready to go out and do as good as they are. 48 calves including 30 heifer calves and 18 bull calves. These are the good, growthy kind of calves that have plenty of "come-out" to them, and all are sired by ALF Choice Domino 11th. 15 serviceable-age bulls, all of them are sons of ALF Choice Domino 11th. 10 bred heifers, these are top heifers, they will sell bred to EER Victor Tone 4th our \$10,000 bull and ALF Battle Mixer 10th. 30 open heifers, the greater portion of them are by the "11th." Others are of Mellow Mischief, Bonny B. Domino or Domestic Mischief 6th bloodlines. They will be of breeding age by sale day and are ideal for replacements or suitable for a new breeder founding a herd.

**Be sure to attend another outstanding sale at
Golden Willow Ranch --- November 16**

Auctioneers: Jewett Fulkerson and Gene Watson

Mike Wilson for Kansas Farmer

MULVANE RANCH Polled Hereford Dispersion December 3-4 --- Topeka, Kan.



This sale will be held at the 4E Ranch headquarters 5 miles south of Topeka on Highway 75 to Pauline and 1 mile west. (It is on your way to the National Western Polled Hereford Show at Denver, December 6 and 7.)

The Nation's Biggest 1951 Polled Hereford Auction!

500 HEAD — 420 LOTS

Including: 5 Herd Bulls, 81 Young Bulls, 70 Heifer Calves, 64 Yearling Heifers, 200 Cows, 80-100 with calves at side by sale day.

Opportunity for everybody to select:

Herd Bulls—Range Bulls—Replacement Females—Foundation Females

MULVANE RANCH

For catalog write ALLEN ENGLER, Route 1, Topeka, Kan.

Auct.: Gene Watson and Charles Corkle Mike Wilson for Kansas Farmer

Public Sales of Livestock

Aberdeen-Angus Cattle
November 3—Green Valley's "T.V." Sale, Liberty, Mo. George DeHaven, Owner, 526 Law Bldg., Kansas City, Mo.
November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.
November 9—"The Humeston Breeders Registered Consignment Sale," Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Mo.
November 13—Western Cattle Breeders' Association, Clinton, Mo.
December 10—Registered and Commercial Sale, Dodge City, Chester I. Bare, Sale Manager, Protection, Kan.
January 24—Chisholm Trail Aberdeen-Angus Breeders' Association, Caldwell, Kan. Donald Morton, Secretary, Argonia, Kan.
February 25—C. E. Reed, Wichita, Kan.
April 21—Ericson, Thalman and Davis Production Sale, Hutchinson, Kan.

Holstein Cattle
November 6—Upham & Junghans Dispersal, Junction City, Kan.
November 8—George S. Turner, Cannon City, Colo., 1515 Vine Street.

Hereford Cattle
November 5—Frank R. Condell's Dellford Ranch, El Dorado, Kan.
November 7—Lincoln County Hereford Association, Sylvan Grove, Kan.
November 7—Cowley County Hereford Breeders' Association, Arkansas City, Kan.
November 10—Al Schuetz and William Beiden, Horton, Kan.
November 10—W. H. Tonn & Son, Haven, Kan.
November 12-13—Sunflower Futurity, Hutchinson, Kan.
November 12—The 3rd Pony Express Registered Consignment Sale, South St. Joseph, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
November 13—Western Cattle Breeders' Association, Clinton, Mo.
November 14—K Ranch, Hutchinson, Kan.
November 17—O'Bryan Ranch, Hiattville, Kan. (Polled)
November 28—Sumner County Hereford Breeders Sale, Wallington, Kan. R. M. Mattingly, Secretary, Caldwell, Kan.
November 27—Mathison Bros., Natoma, Kan.
November 28—WHR Royal Tredway 9th Sale, Oakley, Kan.
December 3 and 4—Mulvane Hereford Ranch Dispersion, Topeka, Kan.
December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.
December 8—A. R. Schlickau & Sons, Haven, Kan.
December 12—Charles & Russell Stewart, Quinter, Kan.
December 20—Lafe Meyer & R. B. McCartney, Clay Center, Kan.
February 4—1952 Kansas Range Bull Sale, Dodge City, Kan.
February 6—1952 HG Hereford Farms, Colby, Kan.
February 7—1952 Olivier Bros., Harper, Kan.
February 9—Dickinson County Hereford Breeders' Association, Abilene, Kan.
February 14, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.
February 22—Sam Adams, Clay Center, Kan.
April 12—Kansas Hereford Association, Horton, Kan.

Polled Hereford Cattle
November 9—Midwest Polled Hereford Association, Deshler, Neb.
November 14—Frank Warden Polled Hereford Dispersion, Winfield, Kan. Vic Roth, Sale Manager, Hays, Kan.
November 15—Willow Creek Stock Farm Hereford Production Sale, Belmont, Kan.
November 20—Central Kansas Polled Hereford Association, Herington, O. J. Shields, Sale Manager, Lost Springs, Kan.
November 21—Jesse Rife & Sons, Enterprise, Kan.
December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.

Shorthorn Cattle
November 7—Mid-America Breeders Sale, Paducah, Ky. Don Longley, Manager, 16 South Locust St., Chicago, Ill.
November 9—Kansas State Horned Shorthorn Sale, Hutchinson, Kan.
November 13—Western Cattle Breeders' Association, Clinton, Mo.
November 28—International Sale, International Sales Pavilion, Stock Yards, Chicago, Ill. American Shorthorn Breeders Association, Managers, Union Stock Yards, Chicago, Ill.

Polled Shorthorn Cattle
November 8—Kansas State Polled Shorthorn Sale, Hutchinson, Kan.
November 13—Western Cattle Breeders' Association, Clinton, Mo.
November 26—International Sale, International Sales Pavilion, Stock Yards, Chicago, Ill. American Shorthorn Breeders Association, Managers, Union Stock Yards, Chicago, Ill.

Milking Shorthorn Cattle
November 8—McPherson County Milking Shorthorn Sale, Moundridge, Kan. C. O. Heldebrecht, Sale Manager, Inman, Kan.

All Breeds Cattle
November 9—Ottawa County All-Breed Sale, Minneapolis, Kansas. Louis Cooper, Sale Manager, Minneapolis, Kan.

Duroc Hogs
February 9—Bred Sow Sale, Vern V. Albrecht, Smith Center, Kan.

O I C Hogs
November 14—Kansas State O I C Swine Show and Sale, Sylvan Grove, Kan. Vernon Zimmerman, Secretary, Inman, Kan.

Suffolk Sheep
November 19—North American Suffolk Sheep Breeders, Okaloosa, Ia.
November 19—Kansas Purebred Sheep Breeders' Association, Hutchinson, Kan.
December 1—Herman Popp, Haven, Kan. Sale at State Fairgrounds, Hutchinson, Kan.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$38.25	\$39.25	\$33.00
Hogs	19.85	22.35	19.25
Lambs	30.75	30.50	29.00
Hens, 4 to 5 lbs.	.24	.25	.21
Eggs, Standards	.50	.52	.40
Butterfat, No. 1	.68	.64	.55
Wheat, No. 2, Hard	2.56 1/2	2.49	2.26
Corn, No. 2, Yellow	1.75 1/2	1.78	1.48 1/2
Oats, No. 2, White	1.05 1/2	.98 1/2	.92
Barley, No. 2	1.41	1.32	1.34
Alfalfa, No. 1	40.00	35.00	35.00
Prairie, No. 1	15.00	23.00	16.50

Beef CATTLE

**E.J.F. STOCK FARM OFFERS
POLLED SHORTHORNS
IN STATE SALE
SELLING AT
Hutchinson, Kan.**

on November 8
2 Heifers and 3 Bulls
They are sired by Redwood Chief X. Don't miss this outstanding sales offering.
For sale at the farm—Outstanding young Polled Shorthorn bulls. Farm 1 mile east and 1 1/4 miles south. Telephone 3F12.
EARL J. FIESEK, Norwich, Kansas

**REGISTERED SHORTHORN BULLS
FOR SALE.** Calves to yearlings. Dark roan and reds. Farmers prices.
GLENN E. LACY & SON, Miltonvale, Kansas

Reg. Polled Herefords
For Sale — Cows and Heifers
These are high quality cattle and the best bloodlines in the country.
WESLEY WALKER & SONS, Fowler, Kansas

REG. ANGUS BULLS
For Sale—Three Reg. Bulls in excellent condition. Bandoller breeding. Ages 14, 17, 19 months.
V. W. PARKS, Phone 4F32, Pomona, Kansas

REG. ABERDEEN-ANGUS
Now offering a few young bulls, cows and heifers.
CHESTNUT & RAILSBACK, Quinter, Kansas

Dairy CATTLE

SUNNYMEDE HOLSTEINS

Bulls of service age for sale.
Burke Breeding—Proven Herd Sire
PABST BURKE LAD STAR
Son of "Burke," junior herd sire
PABST ROBURKE ADMIRAL
Son of Pabst Roamer
Sunnymede herd has completed 21 years of continuous test (2x) in the Holstein-Friesian herd test.
C. L. E. EDWARDS
Route 9 Topeka, Kansas

ROTHERWOOD

Land of Oz
Offers 2 outstanding 4-H Jersey Heifers—
heifers which SHOULD win next year!
A. LEWIS OSWALD
JOHN C. OSWALD
HUTCHINSON, KANSAS

REG. JERSEY BULLS

Sired by a "Very Good" 5-Star bull and "Very Good" dams with records ranging from 500 to over 700 pounds of butterfat. Several ready for service.
HIGH POINT JERSEYS
A. L. MILLER, Partridge, Kansas

AYRSHIRES

THE IDEAL DAIRY BREED
COAST TO COAST — NORTH OR SOUTH
Heaviest Producers of 4% Milk at least feed cost.
For literature or help in locating stock, write
AYRSHIRE BREEDERS' ASSOCIATION
260 Center St. Brandon, Vermont

FOREMOST COMET 2d

6-year-old Guernsey bull; a proven breeder. For sale or exchange.
ROY E. DILLARD
Salina, Kansas

• AUCTIONEERS •

HAROLD TONN
Auctioneer and Complete Sales Service
Write, phone or wire
Haven, Kansas

BERT POWELL

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

NOVEMBER 17
Will Be Our Next Issue
Ads for the Classified and Livestock Section must be in our hands by
FRIDAY, NOVEMBER 9
If your ad is late, send it in Special Delivery to 912 Kansas Ave.
Kansas Farmer, Topeka, Kan.

A Register of Value Sale in '49-'50
Still Greater Values in the 1951
Sunflower Hereford Futurity

State Fairgrounds — 12 Noon

Hutchinson, Kan., November 13



Attend the All-Kansas
HEREFORD SHOW
Hutchinson, Kan.
125 ENTRIES!
NOV. 12, at 9 A. M.

73 HEAD SELL

The Pick of the Kansas Crop . . . Selected From 114 Entries
Kansas farmers and ranchers have been able to buy good bulls and foundation females in this sale each year at reasonable prices.

51 Bulls

Forty-nine of them serviceable age by sale day. A burly, rugged, heavy-boned group of young bulls with plenty of size—the ranchers' kind. At least half of these bulls are herd-bull caliber.

22 Females

A select group, most of them mated to top bulls. Kansas breeders have paid up to \$40,000 for the herd sires to which these heifers are mated. You'll find plenty of Register of Merit breeding in this catalog. Get your free copy by addressing . . .

THE KANSAS HEREFORD ASSOCIATION

GENE WATSON, Secretary-Manager

State Fairgrounds

Hutchinson, Kan., Box K

SECOND ANNUAL

SUMNER COUNTY HEREFORD ASSN.
Sale of Horned and Polled Herefords



Nov. 26, 1951

at the Municipal Auditorium

Wellington, Kan.

56 HEAD 56



30 BULLS --- 26 FEMALES

4-H Club Steers and Heifers

CONSIGNORS

Dvorak & Sons, Caldwell
Sid Toler, Caldwell
Howard Lowe, Caldwell
Charles Volavka, Jr., Caldwell
A. R. Rohrer, Corbin
Vernon Mosley, Milan
David Holland, Argonia
John Holland, Freeport
Paul Phillippi, Argonia
Roy Hess, Belle Plaine

Ray Rusk & Son, Wellington
Rex Haggard, Wellington
J. W. Zimmerman, South Haven
R. M. Mattingly, Caldwell
Raymond Allen, Peck
McDaniel Bros., Danville
Herman Larson, Milan
Leslie Yates, Jr., Milan
Bryan Packard, Wellington
Carl Downing, Belle Plaine

For catalogs write:

R. M. MATTINGLY, Caldwell, Kansas

Auctioneer: Gene Watson

Mike Wilson—Kansas Farmer

GOLDEN WILLOW RANCH

ANNUAL SALE REGISTERED POLLED HEREFORDS

FRIDAY, NOV. 16, 1951

SALE STARTS AT 1:00 P. M.

Golden Willow Herd Sires	SELLING 65 LOTS
CMR MISCHIEF DOM. 30th	20 Bred Heifers
5384726-316112	5 Cows, calves at side
SILVER D. MISCHIEF 19th	15 Open Heifers
3753515-359327	15 Bulls (serviceable age)
BEAU BATTLE	10 Bulls (short yearlings)
4458179-258580	

PLAN NOW TO ATTEND THIS SALE
To reach GOLDEN WILLOW RANCH from Pittsburg, Kan.: 12 miles east of Besse Hotel, on highway 126; from Joplin, Mo.: 22 miles north of Connor Hotel, on highway 43.

Be Sure to write for our sale catalog today. Just drop a card or letter to

GOLDEN WILLOW RANCH, Rt. 1, LIBERAL, MISSOURI
Geo. E. Harmon, Rt. 1, Liberal, Mo.—Owners—Geo. K. Brinkman, Bx. 185, Pittsburg, Kan.
Auctioneer: Hamilton James Bert Powell with this publication

Willow Creek Production Sale of
POLLED HEREFORDS



†
Nov. 15
1951

at the farm located 1 3/4 miles east and 1 1/2 miles south of

Belmont, Kansas



†
24 Bulls --- 30 Heifers

Our 20 bulls are from 14 to 20 months old sired by WHR Leskan Tone. More herd bull prospects than we have ever sold before. 30 bred and open heifers carrying the service of Pres. Advance Domino a 100 per cent dehorner. One first as a junior yearling Eastern National Columbus 1946, Knoxville National 1947 2d as a 2-year-old, in horned Comp. West Tennessee District Fair in 1947 he was grandchampion. At Ft. Worth he stood 2d in class to the Reserve Champion of the show. Half brother out of the same dam was the 1949 Ft. Worth grand champion. Open heifers will be sold with the breeding privilege to any of our herd sires.

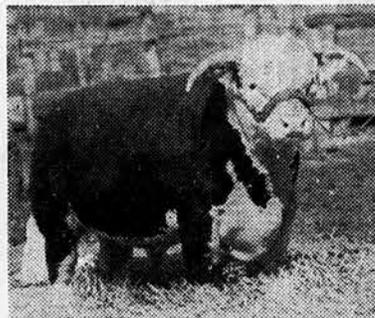
"LATCH ONTO THE LESKANS"
WILLOW CREEK STOCK FARMS

JOHN RAVENSTEIN & SON, Belmont, Kan.

Mike Wilson for Kansas Farmer

SECOND ANNUAL

4K RANCH HEREFORD SALE



November 14, 1951

at the farm

Hutchinson, Kan.

SELLING 75 HEAD

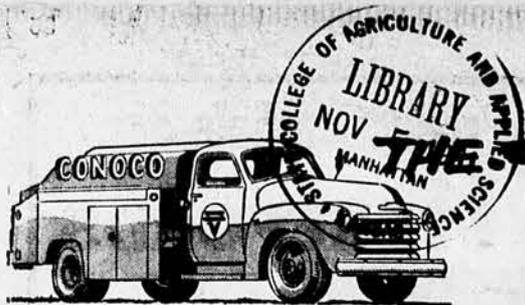
15 Bulls; 5 Bull Calves; 5 Cows that are bred to JO Duek Pride Jr.; 18 Bred Heifers—5 bred to "Duke" and 13 to "Bobby"; 17 Open Heifers; 10 Heifers Calves and Club Steers.

Sired by Super R. Domino, CK Cadet 9th, P. Stanway Domino 1st, 4K Domino 77th, FHF Larry Domino 3d, TS New Prince 14th, Royal WHR Princeps bred to "Bobby" and "Duke."

D. J. KREHBIEL & SONS, Hutchinson, Kan.

11 miles south and 2 miles east. Write for catalog.

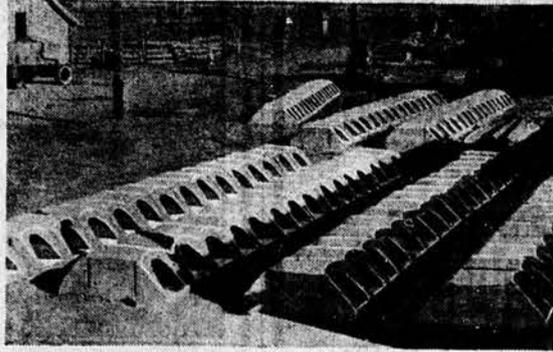
Auctioneers: Gene Watson and R. M. Krehbiel



TANK TRUCK



Equal partners in the operation of a 550-acre irrigated farm near Garden City, Kansas, are Mr. and Mrs. Henry Giesaking and their sons, Lawrence (standing) and Melvin.



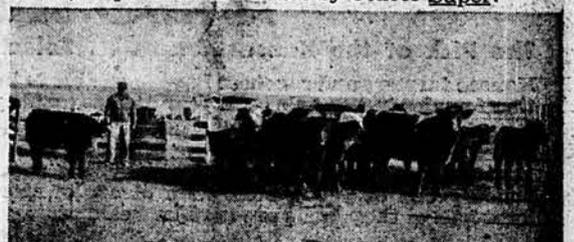
Outlet boxes, made by Mr. Giesaking, weigh 450 pounds each—are placed every 33 feet to avoid shoveling dirt to open and close ditches.



A few of their basketful of ribbons! The Giesakings have feed grinders, combines, tractors, trucks and cars, all protected from wear by Conoco Super.



Lawrence and his father "soeey" in a few of their 50 Hampshires. Beside livestock, the men raise sugar beets, wheat, alfalfa, oats, barley and maize.



With a Milking Shorthorn sire, they developed cows that produce as much as six gallons a day. Mrs. Giesaking raises white rock chickens.

A Farm Built Without Sleep

IN 1933, Henry Giesaking was so determined to become a farmer that he invested what few pennies he could find to buy a few pieces of equipment to start farming in Kansas. You remember 1933—drought, depression—and dust! Prices didn't improve. The dust

bowl conditions got worse and worse. Mr. Giesaking soon found that his cash was definitely "in short supply". Faced with losing what he had put into farming, he became a foreman in a sugar beet factory.

On this job he worked 12 hours a day. But after this long grind, he still drove himself enough extra hours on the farm to keep it going. Sleep became practically non-existent . . . a luxury to be indulged in only when he could find nothing else to do! That wasn't often! And he kept up this extraordinary record of work and little sleep for seven, weary, backbreaking years!

No... Henry Giesaking isn't afraid of hard work! Maybe that's why he and his family now operate one of the finest farms around Garden City, with a diversified program that keeps them busy 365 days in the year.

"In year-round farming," Mr. Giesaking says, "I must have the finest petroleum products to fuel and lubricate my 3 tractors, 2 trucks, 2 automobiles, 2 combines, and the feed grinder and other equipment. Day after day, for six years, Conoco Products have never failed to give me the best in performance, economy of operation, and protection from engine wear. And I'm sure this new 50,000 Miles—No Wear oil of yours (Conoco Super Motor Oil) is saving me money on repairs and overhauls."

Apple Cheese Bread

... by Miss Margaret Taylor
Howells, Nebraska

- | | |
|--|--------------------------------|
| 1/2 cup shortening | 1 t. baking powder |
| 1/2 cup sugar | 1 t. soda |
| 2 eggs, beaten | 1/2 t. salt |
| 1 cup ground unpeeled apples and juice | 1/2 cup grated American cheese |
| 2 cups flour, sifted | 1/4 cup chopped nuts |

Cream shortening, add sugar, cream till light and fluffy. Add beaten eggs. Sift flour, baking powder, soda and salt together, add to the creamed mixture alternately with apples. Fold in cheese and nuts. Pour into greased pan, bake in 350 degree oven for one hour.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN



YOUR CONOCO MAN

Gets More Milk with Conoco Super

To get better milk production, Collier E. Smith, Natchitoches, Louisiana, uses Conoco Super Motor Oil. Here's the way he puts it: "I have found that proper lubricants are my best assurance of low cost high-quality roughage . . . which makes for higher milk production and higher profits. My motor oil, like my cattle, must be tops in performance. That's why I use new Conoco Super."



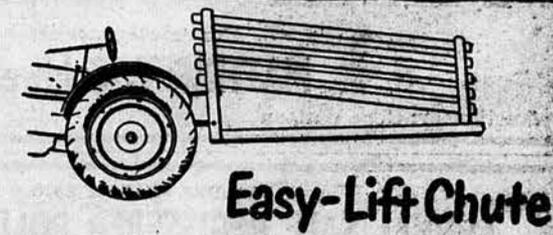
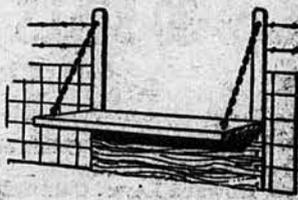
"50,000 Miles - No Wear!"

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



Holds Hogs, Passes Cows

Board up the bottom of gate, as shown in sketch, so that top of hinged, reinforced and chained 2 by 12 is 16" from ground, suggests Glen Branscom, Minco, Oklahoma. Cows can pass but hogs can't because there's no place for their hind feet when they try to climb out.



Easy-Lift Chute

Paul E. Martin, RR, Crawfordsville, Iowa, has an easy way to handle a loading chute. A strong, well-braced chute has the top-and-lower-link hitches attached, as shown. The lower lift makes it easy to move chute to any location.

SAWS FOR IDEAS!

Send your original ideas to The Tank Truck, Dept. 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!