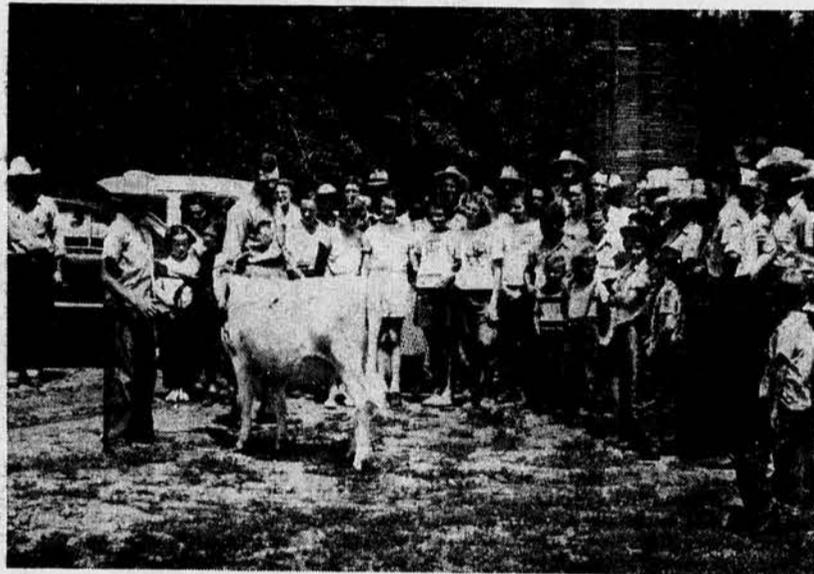


Kansas Farmer



CLUB MEMBERS and parents visit E. A. Templeton farm to hear David Templeton explain his work in a dairy heifer project. Floyd A. Bacon, Butler county club agent, is standing by the calf.



WHEN NOON CAME everybody pitched into the potluck dinner provided by mothers of club members.

No Stopping These 4-H'ers

**Must be a reason
for their success—
and here it is!**

FOUR times in a row, now, the Cole Creek Chums 4-H Club has won the El Dorado Chamber of Commerce plaque for outstanding achievement at the annual Butler County 4-H Club Fair. In the show this year 27 of the 28 club members had 304 exhibits from 104 projects. Members scored 605 points by winning 122 blue ribbons, 90 reds, and 55 whites. Other participation included a demonstration booth and representation in all 6 judging events with full judging teams.

There must be a reason for such continued success and Ewing Teter, adult leader for boys in the club, thinks he knows the answer. "Our club is successful because of high interest among parents," he says.

Mrs. E. A. Templeton, one of the club mothers, agrees. "A lot of 4-H Clubs have trouble doing a good job because parents aren't interested enough to see that their children get to meetings. At our meetings. [Continued on Page 30]



SEEING DOUBLE: Garry and Larry Hoy, 8-year-old twins, give outside visitors a start because they look so much alike. Nothing appears to be wrong with their appetites.



CHAMPIONS 4 times are the Cole Creek Chums. Here, left to right, are Raymond Peirco, El Dorado; Joan Vogelmann, Cassoday, and Neal Hamilton, Cassoday, all junior leaders; Mrs. Homer Milburn, El Dorado, and Ewing Teter, Burns, adult leaders.

- Will It Pay to Grade Eggs?Page 4
- Double or Treble Sheep Business .Page 8
- The Chisholm TrailPage 16

Here's proof: FARMHAND HAYING costs far less than ANY other method!



HAY HANDLING COSTS FARMHAND SYSTEM

Field stack to wagon to yard stack or to animals (up to 1 mile haul)

ANNUAL	Per Ton
50 tons.....	\$2.54
100 tons.....	\$1.43
200 tons.....	\$0.86
400 tons.....	\$0.59
600 tons.....	\$0.50
800 tons.....	\$0.45



LOAD HAY into wagons a half-ton at a time! Your FARMHAND Loader with Grapple Fork grabs big loads with grasping action of human hand, places them accurately in wagon with precision control.



HAUL HUGE LOADS with new speed and stability! Your FARMHAND "90" Wagon with 72" tread takes big loads... and you carry another half-ton in the Grapple Fork while your tractor hauls the wagon!



RE-STACK OR FEED with FARMHAND hydraulic power. Your Grapple Fork unloads wagon cleanly, quickly with no waste motions. Distributes feed to animals efficiently and without loss of hay.



"And...your FARMHAND Loader works all year around at tough jobs like these!"

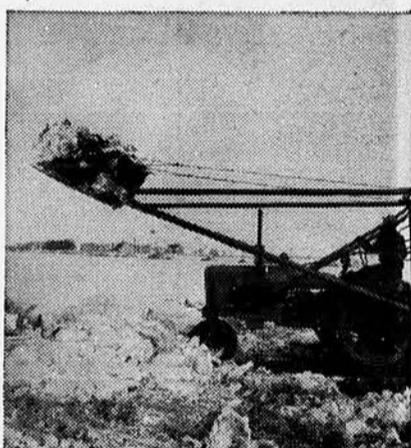
- Clearing feed lots
- Plowing snow
- Breaking frozen stacks
- Butchering
- Changing wagon bodies
- Loading scrap metal
- Handling heavy machinery
- Moving small buildings
- Lifting construction material
- Loading lumber
- Loading coal
- Piling logs



REPAIR ROADS... fill ruts... level terrain with your FARMHAND Loader plus Bulldozer Blade. Handles big earth-moving jobs, lifts and lowers with a touch of the controls. Clears snow choked roads, too!



OPEN ROADS, buck heavy drifts with your FARMHAND Loader and V-Plow Attachment. Rips through clogged roads where other plows won't go. Never gets hung up... lifts easily over obstructions.



CLEAR FEED LOTS in a hurry with your FARMHAND Loader and Scoop Attachment. Doesn't just push the snow around... picks it up... piles it... gets rid of it! Scoop handles all loose materials.



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Get the facts...and you'll get a FARMHAND

FARMHAND Division Superior Separator Co. Hopkins, Minnesota

Please send me the following information checked:

- Hay Handling Costs Bulletin giving complete cost analysis of all popular haying systems including FARMHAND.
- Free Literature describing FARMHAND Heavy-Duty Hydraulic Loader, FARMHAND "Special" Loader for smaller tractors and FARMHAND "90" Wagon.
- Name of my nearest FARMHAND Dealer.

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

Farmhand HYDRAULIC LOADERS

Made by SUPERIOR SEPARATOR COMPANY, Hopkins, Minnesota • Farm Machinery Specialists



It's new! It's different! It's better!

PIG MINTRATE

— a development of MoorMan Research that produces early gains 40% faster than standards set by National Research Council

MOORMAN'S NEW PIG MINTRATE gives—spectacular growth—exceptional thrift and energy—a balanced, high-energy ration with corn alone

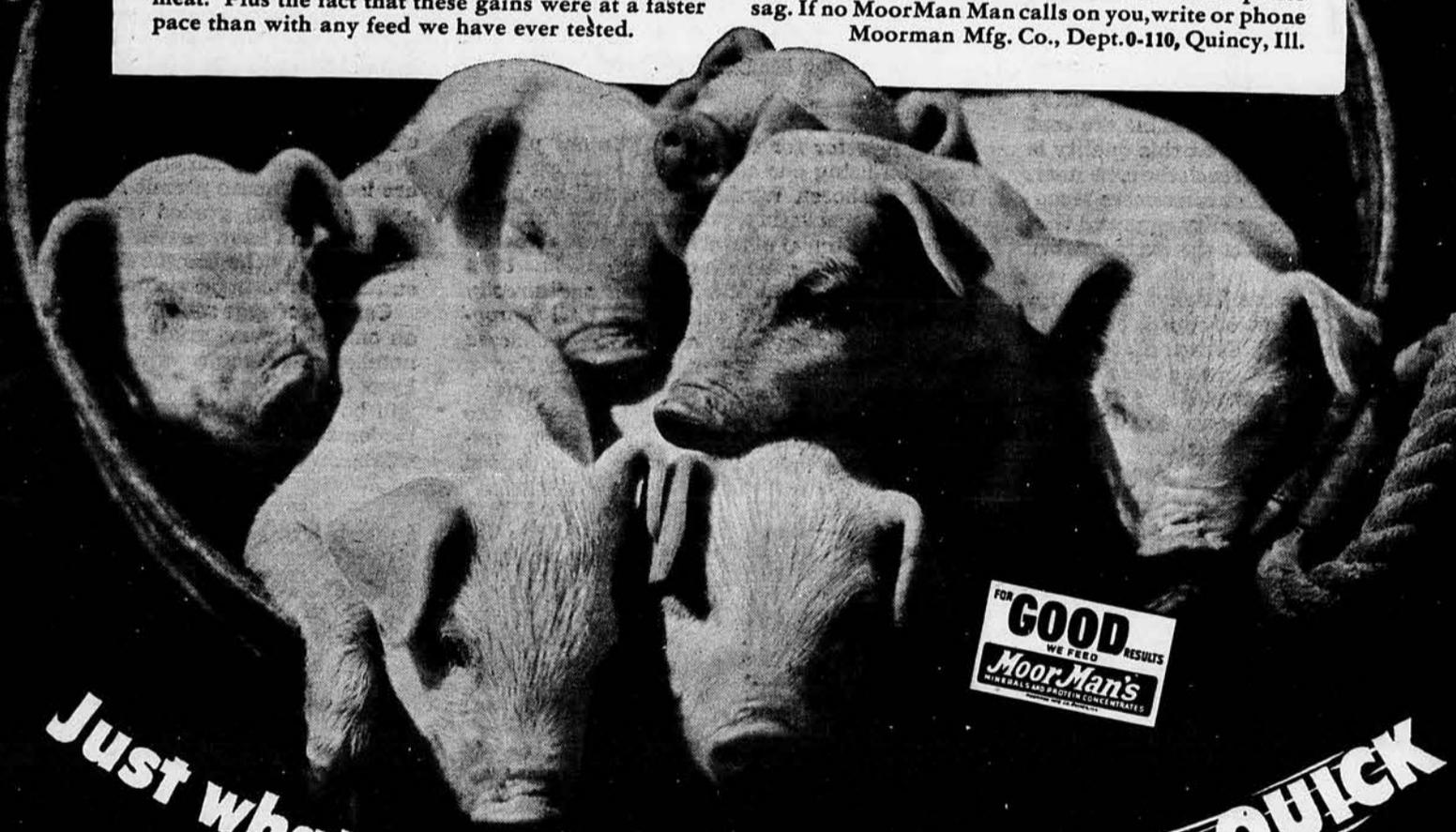
NO OTHER FEED LIKE IT! Never before have so many improvements and sensational new nutritional discoveries been combined in a single pig feed . . . a new combination of B vitamins . . . animal proteins that supply APF in NATURAL forms . . . all the minerals needed for fast growth and development.

LOW COST GAINS! Never before in 30 years of nutritional research have we found a pig feed that so efficiently and so economically converted feed to meat. Plus the fact that these gains were at a faster pace than with any feed we have ever tested.

EASY TO FEED! Just feed New Pig Mintrate with corn. That's all there is to it! Our research has proved that it makes corn alone better than a combination of grains or grain by-products.

DEVELOPED FOR STARTING PIGS! MoorMan's New Pig Mintrate was developed for *young* pigs—just as MoorMan's Chick Mintrate was developed for chicks. It will give you the same sort of balanced, high-energy ration—the same amazing type of results.

Book your order for New Pig Mintrate with your MoorMan Man on his next call to make certain that you'll get *your* fall pigs off to the stepped-up, thrifty start that will put them on the market before prices sag. If no MoorMan Man calls on you, write or phone MoorMan Mfg. Co., Dept. 0-110, Quincy, Ill.



Just what they need to become hogs **QUICK**

MAKERS OF PROTEIN AND MINERAL CONCENTRATES FARMERS NEED, BUT CANNOT RAISE OR PROCESS ON THE FARM

MoorMan's

(SINCE 1885)



THESE SHOULD SELL: Nick Fennema, left, talks over egg quality with his foreman, Jake Iberg, and official egg grader, Bill Evans. Mr. Fennema has the No. 1 Kansas permit to process eggs under a new Kansas grade-labeling program.



EVERY EGG must meet Kansas standards under a new official Kansas grade-labeling program being tested at Winfield. Here Ed Spreser supervises grading being done by Mary Taton at the Armour and Co., plant.



Will It Pay to Grade Eggs?

EVERY bad egg reaching a housewife cuts egg consumption an even dozen," says Roy Freeland, secretary of the Kansas State Board of Agriculture. That figure is not just guesswork, but a matter of record based on nation-wide research.

"It is obvious then," says Mr. Freeland, "that the egg producer has a vital stake in seeing that the highest-quality eggs possible are sent to town from his farm, and that this quality is maintained until those eggs reach the consumer. Likewise, it is important that consumers recognize the value of superior-quality eggs and that prices paid to farmers reflect the extra quality of the eggs marketed."

Because so many Kansas farmers have eggs to sell and the quality of those eggs is becoming more and more important, Kansas State Board of Agriculture, thru its marketing division, has started an official Kansas graded-egg program.

"We realize such a program could not be started on a state-wide basis without a lot of complications," says Kimball L. Backus, mar-

keting director for the board. "So our plan is based on using one community as a test area. We have chosen Winfield for a full-scale adventure in marketing, processing and retailing quality eggs under official Kansas grade labels."

Harry Lewis, marketing assistant, has been put in charge of the Winfield test and already has the program well under way. "All 3 processing plants—Seymour, Armour and Fennema—are voluntarily co-operating," says Mr. Lewis. "Jim Leathers, county agent, will hold a series of educational meetings for producers of the area and Kansas State College Extension poultry specialists will step up their work in the

county. Several grocers in Winfield have agreed to handle the Kansas graded eggs and to push their sale. Civic clubs, women's clubs and the Winfield Chamber of Commerce are co-operating in consumer-education work. Most of this will be done thru motion pictures," Mr. Lewis explains.

The new official Kansas grades are essentially the same as U. S. grades to simplify interstate shipments. There is this difference, however. Processors complying with the program are issued Kansas permit numbers when their eggs are being graded under supervision of persons who have passed a grading examination given by the Kansas State Board of Agriculture marketing division.

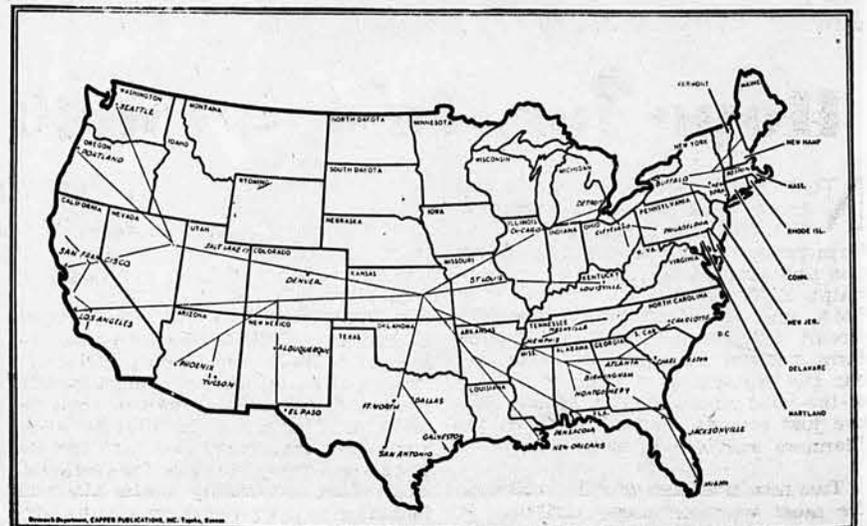
Cartons of eggs sold under the program carry an official Kansas grade label showing permit number of processor, grade, and date graded. Eggs in retail stores 7 days without being sold will be picked up by processors and regraded. Under this Kansas permit-and-dating plan it will be much easier for [Continued on Page 34]

By **DICK MANN**



YOU CAN BE SURE of quality when you buy Kansas grade-labeled eggs, Grocer Leonard Williams, of Winfield, is telling Mrs. Lewis Bates, a customer.

EGGS TRAVEL from Kansas farms. Need for more quality eggs in Kansas is realized by looking at this map, which shows bulk of Kansas eggs go to cities on both coasts and the Gulf of Mexico.



Farm Matters

AS I SEE THEM

FARMERS, as well as other lines of production and distribution of commodities, face many controls in the months ahead.

And, also, still higher taxes, and very likely some new taxes, next year.

In the Department of Agriculture, according to my information, a new farm crops goal program is under discussion, perhaps in the making.

Basic idea is for Government to inform farmers how much of each crop is needed. When a bigger production of a particular crop is desired, Government would encourage it by promise of higher price supports, priorities on fertilizer, and perhaps some other forms of government aid.

Cotton will be the first major crop to go under government controls. Export controls only at the start. Export controls on cotton so far used have been to prevent shipment to countries behind the Iron Curtain.

An early directive for allocating cotton supplies to friendly nations is expected in a short time. These will be assigned cotton quotas. When a nation uses up its quota, then export licenses will be refused to that country, until the following season.

All limits on cotton planting will be removed for next season. No restrictive acreage allotment or marketing quotas for 1951, on cotton. Domestic price ceilings may be avoided, Washington says. But Planners want price ceilings; so do labor organizations and consumer's leagues. Not only on cotton—on everything.

Before Congress recessed, it enacted a control bill.

In that control bill Congress attempted to tie price and wage controls together; when prices on any commodity were placed under ceilings, then a wage "freeze" for the industry producing it.

However, I am informed, labor lawyers and "liberals" in government are collaborating on plans to get around the legislative intent by slapping on price controls but not wage controls. These believe they have "discovered" the loopholes (which Administration forces were able to slip in while the legislation was being considered) thru which it will be legal to control prices and allow wages to go up at the same time.

Process is to be something like this. The White House will make a "finding" that price controls are necessary to halt the (government induced) inflation. This will be accompanied or followed by another "finding" that certain wage boosts will not force price up.

Then will come another "finding" that some industry or industries have raised prices ahead of rising costs—they have profited. Slap price controls on those industries, but point out that wages need not be controlled, because the industry on the whole can pay higher wages out of the "profited profits."

General idea would be to warn all business that if its profits are greater than the administration believes they ought to be, then price

ceilings will be imposed, but the way will be left open for increases in wages.

So you can look for higher prices all along the line by next spring. Cessation of all-out fighting in Korea—unless fighting breaks out elsewhere—may bring some prices down temporarily in the next few weeks.

Federal income taxes in effect this week bring these back approximately to the 1947 levels—before the 80th Congress made reductions.

General feeling in Washington is that these rates will be boosted, perhaps by 25 per cent, on 1951 income.

Main feature of the political campaign this fall will be effort of Democrats to replace Republican senators with Democrats, particularly from farm states. Senator Taft of Ohio is the main target, of course. Even where Republican nominees are on the "liberal" side, Administration forces will use everything they have to elect Democrats. Wanted: Enough "liberal" Democrats to offset the conservative G.O.P.-Dixiecrat combination that has stymied so much of the Administration's Fair Deal-Wellfare State program in the 81st Congress.

The farm vote may decide the balance of power in the 82nd Congress—so both parties are out to get it.

An Essential Industry

I ALWAYS have felt agriculture is our most essential industry. No one can successfully dispute that fact, unless he can live happily without eating. And that isn't possible. Every individual and every business in this country depends on products of the farm for existence.

Using agriculture as the measuring stick then, I say the farm equipment industry comes along right in line as one of our most important and necessary industries. It definitely is working day after day to reduce labor on the farm, save time for the farm family, yet at the same time produce more and better quality farm products. And if I am any judge, it certainly has been successful in its efforts.

What brings this to mind just now is a report from the U. S. Department of Commerce on production and distribution of farm equipment. I think you will be interested in some of the highlights in the report. It is a pretty big business when you look at the whole picture.

How big? About 1,600 firms are engaged in the manufacture of farm equipment. Of this number, 9 companies produce about three fourths of the total output of the industry. The larger firms concentrate on tractors and other equipment used in production and harvesting of major field crops.

How well can the industry meet farm needs? The Department of Commerce report states present production capacity of the farm equipment industry is more than double that of pre-

war years. For use in making farm machinery, the industry purchased about 2,250,000 tons of finished steel in 1949 which was about 3½ times the tonnage consumed 10 years earlier. As a further point in answering that question, the total output

of farm equipment in 1949 was second largest on record, being exceeded only by that of 1948. And the report says production capacity of the farm equipment industry is adequate to meet any foreseeable demand.

Looking over the wide variety of farm equipment, one wonders what else could possibly be needed. Compared to early-day threshing methods, today's self-propelled combine seems like magic. Field forage harvesters and pickup balers certainly fit into the same category. They eliminate a lot of pitchfork work. Every year you can see improvement in machines already developed, and there is a constant flow of new and improved models of tractor attachments.

It is my opinion the farm equipment industry takes great pride in meeting the needs of farmers. Unless I am greatly mistaken the industry has been an outstanding success in doing this, and in making a place for itself among our outstanding industries. And I predict all that has gone before is proof the future will bring other magic. There will be new machines for new jobs, better machines for old jobs.

And here is a point that will be of keen interest to every farmer. The U. S. Department of Commerce states that in March, 1950, the wholesale price of farm machinery was only 54 per cent above that of 1939, compared with 98 per cent for all commodities and 76 per cent for iron and steel. Prices paid by farmers for all commodities were up 97 per cent over 1939, but prices farmers paid for farm machinery were only 77 per cent above 1939. That is an unbiased report by the Department of Commerce and certainly shows the farm equipment industry makes it a point to give farmers the best possible machinery at the most reasonable prices possible.

A word of appreciation for all workers in the farm equipment industry is in order, too. For good reasons. Being good American citizens, first of all they believe in turning out high-quality workmanship that will serve farmers well. In addition, since they number around 190,000 they provide a good market for farm products. In turn their work creates other thousands of jobs including some 22,000 retail establishments, and the work of transporting, wholesaling and jobbing the equipment. "In fact," says the Department of Commerce report, "the only place where the industry tends to decrease employment is on the farm where the laborsaving feature of the machine is one of the major reasons for its purchase."

Arthur Capner

Topeka.

Hope for Just Enough Controls, Not All Out

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

NOTES on the Washington Farm front, headquarters to trenches: Wartime controls on food and farm products will be run by Production and Marketing Administration; Ralph S. Trigg, now administrator of PMA and president of Commodity Credit Corporation, will take over farm control management, also. He has the reputation of being a middle-of-the-road administrator. He hopes to use just enough controls to keep the Planners' machine in motion.

Two new branches of PMA will handle most wartime responsibilities. F. Marion Rhodes is slated for priorities

and allocations of farm products; he held a similar job under War Foods Administration in World War II days. L. B. Taylor, WFA veteran with considerable PMA experience, will take charge of materials and facilities. His main job will be to pressure Department of Commerce to allocate steel and other materials and facilities to farm machinery makers, for instance. And other necessary materials and facilities to keep the farm plant operating.

If it becomes "necessary" to control food inventories, Taylor's branch probably will get that job, also. Control of non-food farm products is expected first—cotton, wool, mohair, flax fiber, sugar and starches used in manufacture of non-food products.

Farmers have been added to the list of Uncle Sam's tax collectors. Starting in January, farmers will be responsible for collecting and paying to Uncle Sam "social security" taxes

withheld from employes' wages—and, of course, their own contributions quarterly, also. First report will be due April 30.

Babson's Washington Forecaster, who sees a one-man "Big Brother" government in sight for the United States, notes that when Communists took over Russia in 1917, there was just one Communist for every 2,770 Russians. Today in the United States there is believed to be one Communist for every 2,700 citizens.

According to J. Edgar Hoover, FBI, 48 per cent of the Communist Party (Continued on Page 42)

Kansas City Host To FFA Convention

MORE than 6,000 Future Farmers of America members are expected in Kansas City October 9 to 12 for their 23rd annual national convention. Among outstanding speakers already scheduled for the program are Ambassador Henrik Kauffman of Denmark. Others are Secretary of Agriculture Charles F. Brannan, U. S. representative Clifford Hope, and Master of the National Grange, Albert Goss.

Two popular FFA musical organizations will again provide music for the convention. These are the national FFA band and the 100-voice FFA chorus. A new record will be set on October 10 when the American Farmer degree is awarded to 265 candidates. This is the largest class in the organization's history. Each boy will receive an American Farmer key, certificate and a check for \$25. From that group will be chosen 3 Regional Star Farmers and the Star Farmer of America. Winner of the latter award will receive \$1,000 from the FFA Foundation, and will be invited to visit Denmark as guest of the Danish Agricultural Council. The 3 regional winners will receive \$500 each from the foundation. On October 11, national awards will be presented to winners in farm mechanics, farm electrification, dairy farming, soil and water management, and safety.

Many FFA members will remain in Kansas City October 13 for the national judging contests in livestock, meats and poultry. Many will stay also for the American Royal, October 14 to 21.

Special Awards Go to Royal Show Winners

Several special awards are being offered to FFA members competing in the National Livestock Show and Sale, October 20, during the American Royal Live Stock Show at Kansas City. These awards are offered by breed associations, farm magazines, and commercial companies. They include stock-watering tanks, cameras, and money prizes ranging from \$2 up to \$100 per winning animal. Special awards going to owners of winning animals are in addition to the show awards.

The show and sale is designed to serve members of the FFA who have produced fat livestock as a part of their supervised farming program in agriculture.

American Royal Horse Show Always Popular

The annual Horse Show at the American Royal Live Stock Exposition at Kansas City is one of the most exciting activities of this event. This year's exposition is being held October 14 thru 21 at the American Royal Building. The Horse Show will be held every afternoon and evening of the show's 8-day run. Preceding the opening performance of the show will be the traditional Royal parade thru downtown Kansas City and crowning of the Queen

of the American Royal at the Coronation Ball.

Cash awards totaling \$108,455 will be offered to raisers of blooded show horses and blue-ribbon livestock at this 52nd annual event. Of the total prize money, \$50,000 has been set aside for the Horse Show. This show attracts the interest of horse enthusiasts all over the world as well as entries from about every state in the nation. Additional Horse Show classes are offered this year. There will be 2 divisions presented which never before have been seen in the famous Royal arena.

Ashland FFA Chapter Busy Farm Mechanics

Members of the Ashland FFA chapter have been busy the past year with farm mechanics activities. The boys built 3 power lawn mowers, a tractor-attached posthole digger, 2 cattle squeezes, one A-type hoghouse, one 600-chick-capacity brooder house, 3 feed bunks for cattle, 4 hay and grain feeders for cattle, 7 self-feeders for hogs, a hayrack and a seed treater. Also, 5 motorcars were overhauled and one grain binder repaired. The chapter also butchered 51 hogs for families in the community.

Premium Books Available for State Poultry Show

Premium lists for the Kansas Poultry Exposition to be held December 7 to 9, at Emporia, are now available. Requests should be sent to M. A. Seaton, exposition manager, who is Extension poultry specialist at Kansas State College, Manhattan.

Elect New Officers

A. G. Stratman, Hillsboro, is new president of the Kansas Poultry Institute. Other officers elected at a business meeting at Salina, September 21, are: William Hurst, Newton, vice-president; William J. Wehling, Marysville, secretary, and C. H. Engle, Topeka, treasurer.

Returns From Germany

Frank Blecha, district agent in charge of Extension work in 35 Eastern Kansas counties, returned recently from Europe. During the summer he helped organize an Extension program for Germany.

Control Chicken Lice

Dusting each mature pullet with sodium fluoride when placed in house will go a long way toward eradicating lice for remainder of fall and winter. C. D. Mueller, Kansas State College poultry husbandman, says flock treatment is accomplished by painting with Blackleaf 40. Paint upper surface of the roosting poles 15 minutes before they are occupied by the birds. Repeat in 10 to 12 days.

"Pick your partner
...each and all
Quaker State is best
—for fall!"



IN nippy Fall weather Quaker State Cold Test Motor Oil is a grand partner for your car's engine.

Now is the time to drain summer-worn oil and refill with Quaker State Cold Test Motor Oil, developed especially for cold weather driving. Flows freely for quick, easy starts and stays right on the job under sustained driving... without excessive evaporation or loss of any of its protective lubricating qualities.

Quaker State Motor Oil is made from 100% pure Pennsylvania grade crude oil. It is refined with the most modern processing equipment... and technical skill unexcelled in the industry. It is the finest motor oil, we believe, produced anywhere in the world.

40¢ per U. S. Quart, including Federal Lubricating Oil Tax



QUAKER STATE OIL REFINING CORPORATION, OIL CITY, PA.
Member Pennsylvania Grade Crude Oil Association

Will Represent Kansas



BELOIT FFA livestock judging team, which won state Vocational Agriculture judging contest last spring at Manhattan, will represent Kansas at National FFA Livestock Judging Contest, October 13, the day preceding the American Royal Livestock Show, in Kansas City. Back row: Howard Bradley, coach, and Joe Moss. Front row: DeWayne Black and Eugene Richards.

Coming, October 21 . . .

Your livestock is in much less danger from disease today than 50 years ago. Why? Simply because veterinary medicine has made as much progress as any other science. No longer are you afraid of tick fever, glanders, black-leg. Tb. of cattle has been greatly reduced. Foot-and-mouth disease has been eradicated from this state and kept out so far.

How have such things been accomplished? Watch your October 21, 1950, issue of *Kansas Farmer* for the answer. One of the best authorities in the U. S. will not only tell you what has been done by way of keeping livestock diseases under control; he will tell you what must be done in the future. Watch for his list of diseases that right now are of great concern from a public health standpoint.

Here is an article you cannot afford to miss because of its importance to your family's health, to your success in the livestock end of farming, and to the public in general. Watch for it in the next issue of your *Kansas Farmer*, dated October 21, 1950.

Many states are making use of laboratories for . . .

Soil Testing

By ED RUPP

SOIL-TESTING laboratories, one of the newest tools of the Extension service, are enjoying wide development over the nation. Kansas is not alone in this step of developing a soil-testing service for its farmers.

In addition to the state laboratory at Manhattan, there now are 11 county laboratories operating in various locations over the eastern half of Kansas. And it's less than 2 years ago that the first county laboratory was born down in Cowley county.

Five counties were close behind Cowley in getting labs established. They were Labette, Crawford, Bourbon, Butler and Brown. Since then Nemaha, Wyandotte, Dickinson, Mitchell and Morris counties have been added to the list.

Let's see what a few other states are doing. Illinois sometimes is credited as the birthplace of soil testing. Besides the state laboratory, there are a number of county and district facilities. More prosperous counties in the north have their own labs. In the southern part of the state several are organized on a district co-operative basis.

Missouri Is a Leader

Along with its balanced farming program, Missouri has 67 county laboratories working in close harmony with the state laboratory at Columbia. Iowa has a state laboratory at Des Moines, a district lab at Cedar Rapids and 2 county laboratories. The Minnesota state legislature appropriated money for a state soil-testing laboratory. Georgia started with a mobile laboratory in 1938. For the first few years they tested only a few hundred samples annually. But in recent years they have tested between 15,000 and 20,000 samples each year.

About a year ago Oklahoma decided to put in soil laboratories. The goal was set at a lab in each of the 77 counties in the state. First one went in December 17, 1949. Six months later 49 laboratories were working in the state and others were on order. Oklahoma has performed one of the most dramatic feats of all in getting soil laboratories out to the people where they will be used.

Actual results from soil-testing work in Kansas quite possibly will not be realized fully for several years. As one of our Extension agents put it who has a laboratory in his county: "I think 5

years from now the information we are gathering will be of unlimited value to a good soil-building program."

It is interesting to hear reactions of other county Extension agents who have laboratories. Another says, "I feel the soil laboratory is a grand educational device, especially the pH values and organic matter per cent. The pH meter allows us to determine the acidity in the soil and also the lime requirement. Organic matter, which determines the water-holding capacity of a soil, is another important part of the test. We can explain to farmers that they have lost half their organic matter. But if they bring in 2 soil samples, one from their cultivated fields and one from their pasture, they can see the difference between 2.5 per cent and 4.5 per cent organic matter respectively. Seeing this they are convinced it is time to start plowing under straw, rather than burning it, and plant some type of a legume, preferably sweet clover or alfalfa."

Another says, "In regard to a laboratory serving one or more counties, I am perfectly willing to serve surrounding counties, but I don't think it will do the farmers of those counties as much good as it would if they had their own laboratories." This Extension agent feels it is valuable to have farmers bring their tests into the laboratory where they can see the equipment and when possible watch the testing being done.

Worth the Money

Altho laboratories are rather expensive for a single county (almost anywhere from \$500 to \$1,500), another agent says, "The program is well worth the money from the standpoint of the local farmer."

Relative to the time requirement, the last-quoted agent says, "The program puts an increased amount of extra work on the county agent, especially if he handles the detail work himself and gives the necessary time to interpret the soil tests. Farmers receiving soil-test results quite often come to the office for additional information which requires still more time for the project. To me, however, the extra effort and time required is worthwhile and in the end will pay off for the community and county as a whole."

For the most part, county agents with soil-testing laboratories are enthusiastic about them and their potential. Regardless of the type of farming or ranching, the soil and crop program is basic. Quality of beef or milk cow means little if there is not a sound soil and crop program to supply feed for that cow.

Screwworm Infection

Livestock producers always should be on the alert for screwworm infection in their animals, says E. E. Leasure, Kansas State College. Early infection can be determined by observing moist patches or dripping of tissue fluid from body surfaces. Early detection and treatment will help avoid heavy losses. The generally accepted remedy for treating screwworm infection is still Smear 62, says the college livestock specialist.



"Now we won't have to butter bread for the rest of the week."

Proud Moment!

**Their New
DELCO-REMY
EQUIPPED
TRACTOR
has arrived!**

No more hand cranking of tractors for this family! Delco-Remy gives tractors electric starting—just a touch of the starter button to start!

If a break in the weather makes night work necessary, this family will profit by it. Their tractor is always ready—for there's plenty of current for lights.

Then, because the equipment is Delco-Remy, they can be sure each unit will stand up. They know it was specially designed and built to take hard farm use.

Like this family, there is a proud moment in store for you the day your Delco-Remy equipped tractor is delivered.

Delco-Remy tractor electrical equipment is available on any of these leading tractors: Allis-Chalmers • Avery • Caterpillar • Cletrac • John Deere • Ferguson • McCormick-Deering • Oliver • Minneapolis-Moline • Silver King.

Delco-Remy tractor electrical equipment is supplied through the tractor manufacturer; Delco-Remy parts and service can be obtained through your tractor dealer or through United Motors Service stations.

DELCO-REMY

PIONEER MANUFACTURER OF TRACTOR ELECTRICAL EQUIPMENT

No. 17 Reviewing farming progress
and looking into the future

We Can Double or Treble Sheep Business in State

- This would not hurt any other livestock business, would add greatly to net farm income, and require little additional labor

By RUFUS F. COX, Kansas State College

PROGRESS of the sheep industry in Kansas over the last 50 years has seen the most violent fluctuations of any agricultural commodity.

In the late eighties Kansas had from 2 to 3 times as many sheep as she has today. This followed the phenomenal spread of Merinos into the range areas under stimulation of heavy demand and high prices for wool. The sheep industry in Kansas at that time was on a purely extensive range basis, and wool was the only source of income of importance from sheep.

Following closely this period came tariff manipulations which broke the wool market, and Kansas sheepmen went out of the business even more rapidly than they had engaged in it. For many years thereafter sheep breeding was of minor importance in Kansas.

Looking back on this period it is not difficult to see that such extremes in production could occur easily in a new area where agriculture and land use had not yet become stabilized.

For several years in the early part of the present century various phases of the sheep business grew in scope and receded alternately in different parts of Kansas without settling down to a routine development. Shortly after 1910, however, certain trends began to show themselves indicating that the sheep industry in Kansas was beginning to conform to the stabilizing pattern of her agriculture.

Feeding Business Grew

First to show definite growth in this new era was the feeding industry. Both range lambs and yearling wethers were shipped in from the West and put on full-feed in the eastern and north-eastern parts of the state, adjacent to the Kansas City, St. Joseph, and Omaha markets. The lower Kansas river valley and to some extent the lower Arkansas river valley, also engaged in this business to an extent of some importance. After a few years of expansion, however, this phase of the sheep business reached a level at which it was to remain almost stationary for a long period.

Small farm flocks of breeding sheep spread slowly over the eastern one third of Kansas during this same period, from about 1910 to the early 1920's. These were kept primarily to supply purebred breeding stock for sale and for replacement purposes. In most cases the flock was made up of mutton-type "native" ewes and was quite small in number—all too frequently it was too small to return any appreciable profit, regardless of how well managed it was and how high the rate of return.

A Wrong Idea

During this period of somewhat slow development of the sheep industry in Kansas, there was developing in other parts of the country important areas of spring lamb production. Notable among these were the valleys of California, the Kentucky-Tennessee-Virginia area and the Shed-Lambing districts of the Northwest. For many years it was believed this industry could be carried on successfully only in these areas of highly specialized production.

Early in the 1920's, however, Kansas farmers and others in the southern plains states began to be convinced they could produce spring lambs suitable for market almost as successfully and perhaps more economically than in the areas of specialization. This provided a stimulation to more up-to-date approved methods of production, and a number of producers started on the new program, altho growth was slow or moderate for many years.

After 1930, and right thru the depression years, there was substantial growth of farm flocks of sheep in Kan-

sas. Numbers of breeding sheep kept for this purpose reached a peak of nearly 800,000 about 1942. Thereafter, for 8 years perhaps the most drastic change of all occurred. During this period of farm prosperity and high prices for agricultural products, Kansas lost 65 per cent of her breeding sheep population in perhaps 6½ or 7 years. It should be kept in mind this drastic liquidation took place during the most profitable 6- or 8-year period the farm flock industry has ever known, from 1942 or 1943 to 1950. The reasons for this, which were obscure for awhile, appear to be rather clear now. For the sake of brevity the chief ones might be listed as follows:

1. Competition from abnormally profitable cash crop farming involving chiefly wheat and feed grains but from other extensive operations as well.
2. Difficulty in obtaining labor to handle livestock enterprises.
3. Confining nature of livestock compared with other types of farming for the operator.

Bear in mind these causes are listed only as an explanation and not justification for this change.

Lambs Very Important

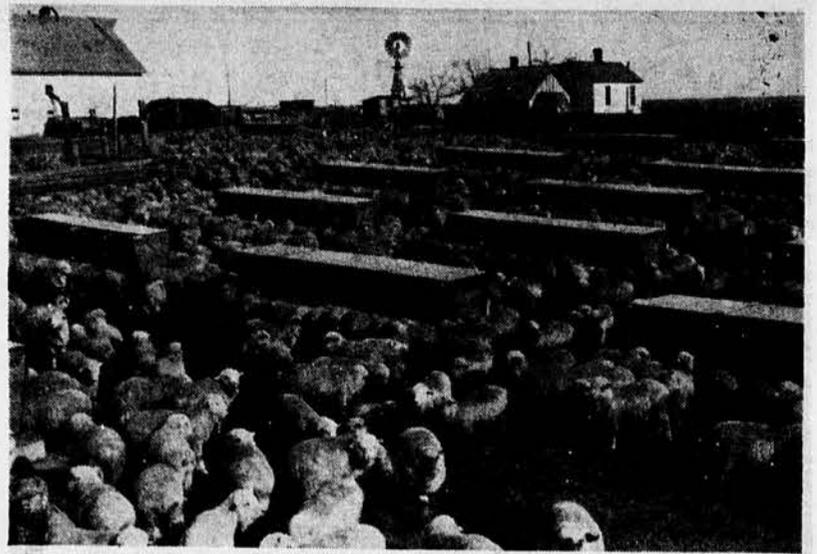
Now for the other important phase of sheep production in Kansas—the lamb feeding industry. Here again a great interest in the business began about 1930 and 1931 for Kansas farmers. It has grown steadily since then, altho its growth has fluctuated with feed supplies and especially the supply of winter wheat pasture.

Kansas has grown from almost an insignificant position to one of the leading lamb feeding states in a period of 15 years. In fact up to 1941 no state had surpassed Colorado in lamb feeding. Since then Kansas has been in first place 5 times and second, third or fourth the remainder of the time. Western lamb feeding has become a livestock industry of first magnitude in Kansas and promises to remain so.

A third phase of the sheep business, the production of purebred registered sheep, has begun a substantial growth within the last 10 years. This is largely in response to the demand for rams for use on grade and purebred flocks.

It is only natural at this point midway in the century to look ahead and conjecture on what the course of the sheep business in Kansas will be during the next 50 years. One wonders whether this period will be marked by sudden reversals of the trend in numbers or in the widely varied phases of the business which characterized the "trial and error" pattern of the pre-stabilization era for Kansas agriculture mentioned previously. Recent trends indicate this might be the case.

It should be pointed out, however, that information on feeding, management, production and marketing is available now, enabling producers to determine in advance relative costs of



A FINNEY COUNTY feed lot where Colorado range lambs are being self-fed on alfalfa and milo.

production and to judge to some extent how profitable the business will be compared with other agricultural endeavors. Neither is there the uncertainty now which existed in this earlier period discussed, particularly with regard to the advisability or soundness of embarking upon a certain phase of production.

There is much in the history of the business during the 50-year period just past to serve as a guide in future operations. Certainly, past experiences provide the best basis we have for studying the soundness of the future.

Starting on this premise, and considering our present position and current trends, let us first consider the breeding sheep enterprises. Kansas perhaps is at her all-time low point in sheep numbers at present, as indicated previously. This appears to be the bottom of an 8-year down-trend in numbers of sheep. At any rate there is now great activity, amounting almost to a stampede to build up farm flock numbers again. This, it seems certain, will continue for several years. The increase, despite the clamor to do so, is bound to be gradual at first, simply because numbers descended so low that breeding ewes are available in very limited numbers. A large percentage of these are advanced in age or poor in quality, or both. These will be liquidated as soon as they can be replaced by younger and better ewes. This will further slow down the building-back process in sheep numbers.

New Wealth for Kansas

Nobody can say how long this upward trend will continue nor what the upper limit of expansion will be. It is safe, however, to say that it could easily be double the number reached in the last peak, which would be between 1½ and 2 million head. It is conservative to say further that this would not be too many breeding sheep for Kansas to handle. As a matter of fact 2½ million breeding sheep could be kept in moderate size farm flocks in Kansas without materially affecting the scope of any other agricultural industry. This is a potential source of new wealth for the state. Furthermore, this expansion of the sheep business would require relatively little additional labor, either on the part of the operator or extra labor.

It has been pointed out for several years that doubling or trebling the number of sheep in Kansas would not strain present feed, labor, or other resources, would not necessitate a decrease in any other livestock enterprise, and would add greatly to net farm income. It should be remembered that labor required to care for a 3-ram unit (125 breeding ewes) is virtually

the same as required for proper handling a one-ram unit (40 head), or even of half that number.

Highly Profitable Business

It was stated earlier that the 8-year period of liquidation just ended has been the most profitable in the history of the sheep business. Good management of farm flocks has consistently given returns of 100 per cent clear on the investment each year. Bear in mind this not a few selected cases, but numerous producers in the state who are average or better in their production methods.

Furthermore, instances of exceptionally good management where the operator has made 200 per cent clear on his investment each year are by no means rare. Many of them can be cited. One good producer in Central Kansas kept a ewe flock averaging about 300 head for 7 years. His actual returns above investment and all costs for the 7-year period was 210 per cent annually. Then in addition he sold his ewes remaining at that time, which were old, for more than the flock had cost him originally, even after his death loss was taken out.

Many Kansas farmers have been overlooking a fine opportunity to increase their net income in recent years. There is every reason to increase the state's breeding sheep population several fold. Already the expansion has got under way and as other types of farming of an extensive nature become less remunerative the more the farm flock sheep business will grow.

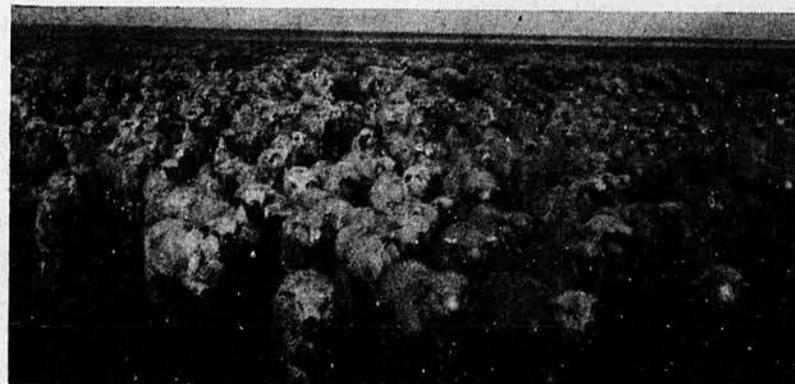
This leaves us with yet another important phase of the sheep business to dispose of—the range lamb feeding industry. It was pointed out previously in this article that the trend of development for this phase of the business has not paralleled that of breeding sheep. During the last 15 years or more lamb feeding has grown in Kansas to where the state is near the top in the business—often it is at the top.

Room for Expansion

The numbers on feed have fluctuated sharply, however. Because of the nature of feed production, especially in Western Kansas and of the extensive use of wheat pasture for fattening lambs, considerable fluctuation in numbers handled from year to year is inevitable. More stability is possible, however, and probably will come as the business gets better established. There is room for much more feeding on a moderate to large scale every year.

While the rate of returns in this business are not as high as for the farm flock, it can be done on a far more extensive scale with the same resources in labor, and investment in equipment. Furthermore, it is a 4-month instead of a 12-month job. Lamb feeding offers a safe and profitable outlet for vast quantities of cheap or unmarketable roughage in Kansas without necessitating use of large quantities of grain or of purchased feeds. It will fit into the farm management program of many farmers at a time of year when they have the least to occupy their time, as a rule.

The lamb feeding business and the farm flock business together could easily support a total sheep population of 3 million or even more for Kansas without seriously disturbing the remainder of our agricultural pattern of production, and with the result of adding a vast amount of virtually new wealth to the state.



TYPICAL GROUP of lambs on wheat pasture in Finney county. All of these came from New Mexico.



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"Country life is not so hot,"
City Cousin liked to brag . . .
It warmed up an awful lot
When he kicked a "paper bag"!



Littles and Bigs ... We Need Both

America is a big country—3,022,386 square miles. Denmark is a small country—16,571 square miles.

In Denmark industry and agriculture operate on a small scale. In America the opposite is true. Mass production, mechanized farming, big food stores, are American phenomena. But their large scale does not mean they are necessarily good or bad.

The bigness of America's operations in agriculture, manufacturing and distribution results from America's bigness. To produce the means of livelihood in a big country with large resources, a large population, and high living standards, bigness in some country and city business activities can't be avoided. So bigness in itself is neither a vice nor a virtue, but a natural economic development.

Littleness is nothing to be ashamed of, either. Admittedly, in some forms of business the small businessman excels and he will continue to prosper in these fields simply because of the service he gives. There is room for Denmark and America in the world, and room for both big and little **F.M. Simpson.**

Agricultural Research Dept.



Soda Bill Sez:

Experience is the best teacher, but she gets no apples or applause.

A thoughtful man's mind is like a parachute . . . it works best when it is open.

Martha Logan's Recipe for PORK SAUSAGE TOPPERS

(Yield: 6 servings)

- 1 pound pork sausage meat
- 2 to 4 acorn squash
- 1 small onion, chopped fine
- 1 can cream of celery soup

Mix sausage and onion and form into patties. Wash squash and cut in half crosswise. Place squash cut side down on a shallow pan and bake in a hot oven (400°F.) for 35 to 40 minutes or until tender. Bake sausage patties in a shallow pan in the same oven for 30 minutes or until thoroughly done and lightly browned. Top squash with sausage patties and serve with hot undiluted cream of celery soup.

Lamb Fattening in the Corn Belt

by W. G. Kammlade

Associate Director of Extension
University of Illinois, Urbana



W. G. Kammlade

Hundreds of thousands of range lambs are fed in the corn belt states each fall and winter. Corn and other grains are essentially supplements to grass and roughage for fattening. Farmers feed lambs to obtain a profit from an increase in the lambs' weight and an improvement in the quality of the meat.

The cost of the lambs may represent from 50 to 75% of the total cost involved in feeding. It varies with the relative prices of lambs and feeds and the method of feeding used. Carelessness that may cause the death of even a few lambs always increases costs and reduces profits.

Efficiency of feeding to keep operating costs low is of great importance in getting a profit. Agricultural Experiment Stations have studied the nutritive qualities of various feeds and the nutrient needs of fattening lambs. The lessons from this work have been given to the feeders by the Extension Service. Enough data has been gathered to enable feeders to have many facts on which to base their operations.

Physiologically, lambs need bulk in their rations, both for safety and efficiency in feeding. Equal amounts (approximately 1½ pounds each, daily) of corn and legume hay will fatten a lamb and increase its weight 30 pounds in about 90 days. The feed requirement will vary from about 400 pounds to 500 pounds each of corn and hay per 100 pounds gain.

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FARM REPORTER**

How about the Farm Kitchen?

This "how about" has nothing to do with "What's for supper?" or "When do we eat?" This "how about" is a proposal that the farm home workshop be made into a strictly modern 1950 kitchen. It's high time! We've mechanized our field work, we've had efficiency experts follow us around at chore time to figure out short cuts, we've made farm work easier and more efficient by grabbing onto timesavers of all sorts.

Now, how about the kitchen? How about easing steep, dangerous cellarways, how about moving the water system from the pump in the yard to the inside of the house, how about counting steps in the kitchen and installing new systems and new equipment to cut down work? How about making one of the most important farm jobs easier and pleasanter for the busiest person on the farm?

How about making *your* kitchen a model of farm efficiency, too?

SKELGAS Families' Favorite Recipes

DEVILED CABBAGE

1 large head green cabbage (6 cups) shredded, 1 teaspoon prepared mustard, 1/2 teaspoon salt, 1 teaspoon sugar, 3 tablespoons butter, 1 tablespoon lemon juice. Cook cabbage in covered pan in rapidly boiling water (salted) about 5 to 7 minutes. Drain. Meanwhile mix remaining ingredients in saucepan. Heat slowly, stirring to blend. Pour over hot cabbage, mixing lightly. Serves 6.—Mrs. Louis Boeckman, Albers, Illinois.

Send your favorite recipe! None can be returned, but if yours is published, you win \$5! Send it TODAY! Address Dept. F-1050.

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Before painting window frames, rub soap around edge of glass. Then, if you happen to get paint on glass, it will wipe off easily with a soft cloth.

To make "fresh" cherries out of canned ones, add a few drops of almond extract. Almost like serving fresh from the tree.

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Kansas State Fair, Hutchinson, Needs More Room as . . .

New Records Made by Home-State Folks

WE ARE simply outgrowing our space for the Kansas State Fair," says Perry Lambert, Hiawatha, president of the fair board, following this year's successful event at Hutchinson.

He was referring especially to the 4-H encampment building, which now provides housing for some 800 boys and girls. "We want to expand this to 1,500 at least," says Mr. Lambert. It was obvious this year the fair also has outgrown the agricultural exhibit building and the 4-H Club exhibit building. Expansion of the encampment building, however, will receive first attention.

Crowds this year were about the same as last. Good weather kept many farm people in fields trying to catch up on their work.

The Hereford cattle show at the State Fair was rated by breeders as the best show on the state fair circuit this year, with more than 200 animals competing. Important thing was that it was an All-Kansas show, with no out-of-state exhibitors.

A good word for Kansas dairy breeders also came from Prof. F. W. Atkeson, head, dairy husbandry department, Kansas State College. "In the large aged cow class in the Holstein breed, for instance," he pointed out, "all but 2 were bred by Kansas breeders and all but 5 were bred by the men showing them in the ring. This shows Kansas breeders are following a good and prolonged breeding program rather than trying to buy animals," he said. The 4-H dairy show was largest ever held at the State Fair.

One of the best hog and sheep shows in years was reported by Carl Elling, superintendent of that department. Future Farmers of America officials reported their FFA farm mechanics entries were about double last year. Ten schools had 118 entries.

Kansas Master Farmers and Master Homemakers were honored Wednesday at the fair, and about 125 were guests Wednesday night at a special banquet with Governor Frank Carlson as speaker.

More than 200 Flying Farmers came to the fair by plane, using the new air strip dedicated in 1949. Tuesday of fair week was designated as Flying Farmers Day.

Top winners in major livestock and agricultural contests were as follows:

Beef Cattle

ABERDEEN-ANGUS: Senior and grand champion bull, Guy Caldwell, Harlan, on Prince G.A.C.; reserve senior champion, W. R. S. Farms, Hutchinson, on Fairfield Prince; junior champion, Sunflower Farm, Everest, on Everprince 18th of Sunflower; reserve junior champion, Sunflower Farms, on Everprince 10th of Sunflower; senior and grand champion female, Blackpost Ranch, Olathe,

on Georgina Erica of Blackpost; reserve senior, Sunflower Farms on Barbara 2nd of Sunflower; junior champion, Chester I. Bar Protection, on Bare's Primula; reserve Sunflower Farms on Blackcap 15th of Sunflower; county or district group, Mid-Kansas, 1st.

HEREFORD: Champion bull, C. K. Rane, Brookville, on C. K. Crusty 46; reserve, Foster Farms, Rexford, on Alpine Don. 47; champion female, Woody Hereford Ranch, Barnard, on Princess Larry 14th; reserve L. L. Jones, Garden City, on J. O. Duche 12th; county group, Comanche county, 1st.

RED POLLS: Junior and grand champion bull, John Ring, Marysville, on Ned; senior champion, B. R. Anderson, Partridge, on Julia's Teddy Lad; senior and grand champion female, Reno Red Poll Farms, Penloss, on Susana; junior champion, Blue Star Farms, Burns, on Blue Stem Marthas.

SHORTHORNS: Grand champion bull, William E. Thorne, Lancaster, on Mercury Jasper 2nd; reserve, Thorne on Leveled Blockade; grand champion female, W. Harshman & Son, Clements, on Silver Crest Broadhooks 16th; reserve, Thorne on Beauty; county group, Sedgewick county, 1st.

Dairy Cattle

AYRSHIRE: Senior and grand champion bull, W. S. Watson, Hutchinson, on LeMoin Point Sir Henry; junior and reserve grand Watson on Ayr-Line Rare Gay Boy; reserve senior, Watson on Ayr-Line Rare Mister; reserve junior, G. Fred Williams, Hutchinson, on Woodhull Rare Ned; senior and grand champion female, Eldon and Art Flickner, Moundridge, on Redalpin's Gem; reserve senior and reserve grand, Watson Ayr-Line Royal Girl; junior champion, Watson on Ayr-Line Super Geen; reserve junior, Watson on Ayr-Line Princess Hazel; Kansas district herd, Central district, 1st.

BROWN SWISS: Senior and grand champion bull, Earl Webber, Arlington, on Le Rainbow Wonder Del; reserve senior and reserve grand, Donald Rudick, Kingman, on Prairie View Master Dan; junior champion, G. D. Sluss, El Dorado, on El Dorado Len; reserve junior, Green & Chamberlain, Topeka, on Danner Matador; senior and grand champion female, Donald Rudick, Kingman, on Bradenhurst Lena; reserve senior and reserve grand, Ross Zimmerman, Abbyville, on Blocky's Janet; junior champion, Earl Webber on Prairie View Letha; reserve junior, F. M. Webber, Kingman, on Fairlawn's Improver; Kansas Canton Herd Central Canton No. 4, 1st.

GUERNSEY: Senior and grand champion bull, Clarence Raymond, Fredonia, on Glenclyff Baron; reserve senior and reserve grand Jerry Owen, Enid, Okla., on Owen's Angella Omar; junior champion, Jerry Owen on Owen Topsy's Radium; reserve junior, W. Berthoff, Wichita, on Berthoff's I. R. Roy; senior and grand champion female, Jerry Owen on Cooper's Indispensable; reserve senior and reserve grand, George S. Jo Hillsboro, on Lady's Lilly of Penn Acres; junior champion, Jerry Owen on Owen's L. Rose; reserve junior, Louetta Adams, Newton, on Jewell's Kings Ruby; Kansas Regional herd, Southern Kansas Guernsey Breeders' Association, 1st.

HOLSTEIN-FRIESIAN: Senior and grand champion bull, Wilbur Sloan, Cleveland, on Lilac Valley King Dean; reserve senior and reserve grand, Ivan Strickler, Tola, on V.

(Continued on Page 11)



SUCCESSFUL CONTEST: Ten schools had 118 entries in Kansas State Fair FFA farm mechanics display, which was won by Kingman. This attractive sign at one end of the display drew lots of visitors.

Creamelle Ormsby; junior champion, Leo H. Hostetter, Harper, on Sovereign Supreme; reserve junior, White Farms, Topeka, on Tidy Burk Hazelwooder; senior and grand champion female, Heersche Brothers, Mulvane, on Heersche Polkadot; reserve senior and reserve grand, Jake Zarnowski, Newton, on Zarnowski Tri; junior champion, Phillips Brothers, Manhattan, on Valla Vista Eva Mercury; reserve junior, Allen Hawk, Rose Hill, on Pickett Ormsby Blondie Supreme; Kansas district herd, Ark Valley district, 1st.

JERSEY: Senior and grand champion bull, Hallmark Farm, Kansas City, on Highfield Prudent; reserve senior and reserve grand, Smith Brothers, Highland, on Primerose Foremost Fancy Lad; junior champion, Hallmark on Highfield Prudent Standard; reserve, Smith Brothers on Foremost Volunteer Aim; senior and grand champion female, John Weir, Jr., Geuda Springs, on Stylish Noble Bonny; reserve senior and reserve grand, Harry Kelman, Arlington, on Aim Lavender Helen; junior champion, Smith Brothers on Standard X Jane; reserve, John Weir on Standard Oakland Countess; Kansas Parish herds, Northeast Kansas, 1st.

MILKING SHORTHORN: Senior and grand champion bull, Henry C. Stunkel, Belle Plaine, on Ark-Val Stylish Star; junior and reserve grand champion, Duallyn Farm, Eudora, on Duallyn Royal Musician; senior and grand champion female, Joe Hunter, Geneseo, on Retnuh Stylish Maid 43rd; reserve grand, C. C. Lewis, Cullison, on Pilot Knob Dorothy; junior champion, Duallyn Farm on Duallyn Sabra; Kansas district herd, South Central, 1st.

Swine

BERKSHIRE: Senior and grand champion boar, Golden Glow Farms, Ionia, Ia., on Quality Crusader's Choice; junior champion, William Petersilie, Jr., Ness City, on Proud Bess Scout II; senior and grand champion sow, Petersilie, Jr., on Echo Valley Bess; junior champion, Franklin Nickel, Belden, on Sandy Creek Bonnie 2nd.

CHESTER WHITE: Junior and grand champion boar, Eldon Mosler, Oswego, on Elmdale Modeler; champion senior boar, Lloyd Cole, Auburn, on Alfalfa Tip Top; junior and grand champion sow, Mosler on Elmdale Lady; champion senior sow, Mosler on Lou-Lou.

HAMPSHIRE: Senior and grand champion boar, Billy Pittman, Udall, on Holliday Bound; junior champion, O'Bryan Ranch, Hattville, on unnamed entry; senior and grand champion sow, Theo Binderup, Gibson, Nebr., on Blue Bonnett; junior champion, O'Bryan on unnamed entry.

HEREFORD: Senior and grand champion boar, Kenneth Swartley, Garden City, on Two Tone Vagabond; junior champion, W. E. Wiebe, DeWitt, Nebr., on Domino Model; junior and grand champion sow, Don Fisher, Meade, on Your Choice; champion senior sow, Roy M. Gregg, Nevada, Mo., on Glamour Girl.

O I C: Senior and grand champion boar, Mr. and Mrs. Sylvester Martin, Mt. Hope, on Martin's Silver Prince; junior champion boar, W. H. Dillenbaugh, Norwich, on Walnut Lane Echo; senior and grand champion

sow, Vernon Zimmerman, Inman, on Zim-merbrook White Violet; junior champion sow, Mr. and Mrs. Martin on Martin's Bonnie.

POLAND CHINA: Senior and grand champion boar, J. H. Saylor & Son, Quenemo, on Massiff Lad; junior champion boar, Henry J. Hain, Spearville, on Africa; senior and grand champion sow, J. H. Saylor & Son on Black Beauty; junior champion sow, C. R. Rowe & Son, Scranton, on Model Lady.

SPOTTED POLAND CHINA: Senior and grand champion boar, Fieser Brothers, Norwich, on Chief Control; junior champion boar, Wayne L. Davis, Mahaska, on Quick Silver; senior and grand champion sow, H. J. McKeever, Mahaska, on Silver girl; junior champion sow, Davis on Grand Queen.

DUROC: Senior and grand champion boar, Art Arens, Hartington, Nebr., on Trademark; junior champion boar, Harvey Deets, Gibbon, Nebr., on Royal Nebraska 1st; junior and grand champion sow, Wayne L. Davis, Mahaska, on Quality Lady I; senior champion sow, Deets on Deets Wave Queen.

MARKET BARROWS: Champion light barrow, Pittman Brothers, Udall, on a Hampshire; champion heavy and grand champion barrow (on foot), Marcia Eggers, Brewster, on a Hampshire; grand champion pen barrows, Art Arens, Hartington, Nebr., on a pen of Durocs; champion market barrow carcass, Murray Hill Stock Farm, Valley Center, on a heavy Berkshire; runner up, Marcia Eggers.

Sheep

DORSET: Champion ram, L. R. Glassburner, Wichita, on Glassburner 4-74105; champion ewe, Glassburner on Glassburner 49-78901.

HAMPSHIRE: Champion ram, Glen Armentrout, Norbourne, Mo., on Style Plus 2; champion ewe, Roy B. Warrick, Oskaloosa, Ia., on Meek 24-49.

SHROPSHIRE: Champion ram, W. G. Lytle, Wellsville, on 347-M104177; champion ewe, H. E. Heiser, Ramona, on 243-M184458.

SUFFOLK: Champion ram, Roy B. Warrick, Oskaloosa, Ia., on Skidmore; champion ewe, Warrick on Grenville.

SOUTHDOWN: Champion ram, Henry Moehle & Sons, Enid, Okla., on Woodbine Farms; champion ewe, Oscar Winchester & Sons, Waukomis, Okla., on B. Winchester.

FAT MARKET LAMBS (on foot): Grand champion, Erhart Tonn, Haven; reserve champion, Erhart Tonn; carcass demonstration—Lional Chambers, Wichita, 1st; Marcia Bishop, Maize, 2nd.

WOOL EXHIBIT: Champion fleece, Earl Bushnell, Coffeyville.

Kansas Farmer Dairy Judging Contest

MILKING SHORTHORN: John E. Tate, Horton, 1st; Albert Frantz, Tampa, 2nd; S. F. Casey, Waverly, 3rd; winning team, Southeast Kansas district.

GUERNSEY: Walter Babbit, Oskaloosa, 1st; W. V. Redding, Holton, 2nd; Mrs. Wayne Sutton, Manchester, 3rd; winning team, Northeast district.

AYRSHIRE: Carl Scholz, Huron, 1st; M. B. Dusenbury, Corbin, 2nd; W. S. Watson, (Continued on Page 12)

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 Hybrid Corn Company., COON RAPIDS, IOWA



GERMAN YOUTHS attend Kansas State Fair. Hans Buchtzsch and Lore Marie Roller, of Germany, enjoy the farm machinery displays at Kansas State Fair. They were especially impressed with 4-H Club exhibits. Hans is learning Kansas farming methods on the Nick Heitschmidt farm, Osborne county, while Lore Marie is doing the same on the Pete Maser farm, near Dighton, in Lane county.

"You ought to get a medal!"

says I "NOT ME," FRED COMES BACK. "THE FORD-AUTHORIZED RECONDITIONER SHOULD GET IT."



I STOPPED TO TELL MY MECHANIC FRIEND, FRED, HOW FRISKY MY FORD IS SINCE I GOT MY RECONDITIONED ENGINE.

SEE THAT EMBLEM? THAT'S WHY YOUR FORD'S GOT SO MUCH PER. IT'LL STAY THAT WAY TOO, FOR THOUSANDS OF MILES TO COME!



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EVERY ENGINE BEARING THE AUTHORIZED RECONDITIONER'S EMBLEM MUST MEET FORD FACTORY SPECIFICATIONS. ALL ENGINE PARTS AND WEARING SURFACES ARE COMPLETELY RECONDITIONED OR REPLACED WITH GENUINE FORD PARTS

ENGINE ACCESSORIES GET EXPERT ATTENTION, TOO. HERE'S A DISTRIBUTOR BEING TIMED WITH SPECIAL PRECISION EQUIPMENT



NOW DO YOU SEE WHY YOU SHOULD GIVE YOUR MEDAL TO THE FORD-AUTHORIZED RECONDITIONER?

HE SHOWED ME A PILE OF OTHER PHOTOS TAKEN AT A FORD-AUTHORIZED RECONDITIONER'S AND, BROTHER...THEY HAVE SOME EQUIPMENT!



I SURE DO AND I'M SPREADING THE NEWS TO EVERYONE. I KNOW WHO OWNS A HIGH-MILEAGE FORD

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Tractor-seat flow control. Chopper type agitator. Waterproof steel hopper. Spreads evenly in rows or broadcast with no waste.

WRITE FOR FREE FOLDER TODAY.

WIN-POWER
NEWTON, IOWA

New Records Made

(Continued from Page 11)

Hutchinson, 3rd; winning team, Northeast district.

BROWN SWISS: Roy Webber, Kingman, 1st; Mrs. Ellis Martin, Princeton, 2nd; F. M. Webber, Kingman, 3rd; winning team, Canton No. 4.

JERSEY: Mrs. Jim Berry, Ottawa, 1st; George Smith, Highland, 2nd; Fred Smith, Highland, 3rd; winning team, Northeast district.

HOLSTEIN: Tonner Torkelson, Hiawatha, 1st; Herman Torkelson, Everest, 2nd; Harold Scanlon, Abilene, 3rd; winning team, Northeast district.

Quarter Horses

Grand champion stallion, R. Q. Sutherland, Overland Park, on Sutherland's Fred Martin; reserve champion, Claude Trueblood, Osage City, on Red Buddy T; grand champion mare, Sutherland on Sutherland's Little Lulu; reserve, Sutherland on Sutherland's Georgie; junior reining horse contest, Red Buddy T., owned and ridden by Claude Trueblood, Osage City; senior reining horse, Skeeter M., owned and ridden by Paul Mahoney, Wichita; reining horse stake, Skeeter M., owned and ridden by Paul Mahoney.

4-H Club Livestock

SHEEP: Ronald Wedel, McPherson county, 1st; Jerry Stinson, Sedgwick, 2nd; Elva Cottle, Sumner, 3rd.

BEEF CATTLE: Champion Shorthorn, Joyce Molyneux, Clay; reserve, Max LaRosh, Osborne; champion Hereford, Rowena Seaman, Comanche; reserve, Dick McCollum, Chase; champion Angus, Larry Sankey, Rice; reserve, LeRoy Blasi, Reno; champion Shorthorn heifer, Allen Ray Reynolds, Republic; reserve, Dick Downing, Harper; champion Hereford heifer, Arlos Rusk, Sumner; reserve, Bert Casey, Grant; champion Angus heifer, Marilyn Peirce, Reno; reserve, Sandra Peirce, Reno; champion baby beef, Rowena Seaman, Comanche, with a Hereford entry; reserve, Larry Sankey, Rice, with an Angus; junior beef champion, Max LaRosh, Osborne; reserve, Carol Reynolds, Republic.

SWINE: Champion fat barrow, Marcia Eggers, Sherman, with a Hampshire; reserve, Don Kater, Harvey, with a Berkshire.

DAIRY CATTLE: Champion Holstein, Bill Woods, Sedgwick; reserve, Betty Ropp, Woodson; champion Ayrshire, Robert Hand, Sedgwick; reserve, Delma Flickner, McPherson; champion Jersey, Nina Beel, Allen; reserve, Don Ewing, Sedgwick; champion Guernsey, Vonna Scott, Sedgwick; reserve, Bob Asberry, Atchison; champion and reserve champion Brown Swiss, Millicent Shultz, Pawnee; champion Milking Shorthorn, Lewis Bennett, Rice; reserve, Frances Torkelson, Brown.

LIVESTOCK JUDGING: High individual, Lowell Lagasse, Cloud; 2nd, Sam Miller, Geary; 3rd, Donald Sewell, Montgomery; high team, Cowley; 2nd, Clay; 3rd, Cloud.

POULTRY JUDGING: High individual, Duane Gfeller, Dickinson; 2nd, Melvin Martinek, Shawnee; 3rd, Warren Keltz, Montgomery; high team, Shawnee; 2nd (tie) Dickinson and Montgomery; 3rd, Saline.

CROPS JUDGING: High individual, Bob Zentner, Anderson; 2nd, James McCoid, Shawnee; 3rd, M. Crowther, Saline; high team, Shawnee; 2nd, Cloud; 3rd, Saline.

DAIRY JUDGING: High individual, Richard Baxter, Cowley; 2nd, Bill Woods, Sedgwick; 3rd, Donnie Ritter, Brown; high team, Sedgwick; 2nd, Brown; 3rd, Saline.

SWEEPSTAKES WINNERS: (For outstanding 4-H boy and girl exhibitors): Arlos Rusk, Sumner, and Betty Stephens, Sherman.

FFA FARM MECHANICS CONTEST: Kingman, 1st, Virgil Lake, instructor; Winfield, 2nd, Ira Plank and John Lowe, instructors; Pretty Prairie, 3rd, Powell Heidle, instructor.

Farm Crops

Champion 100 ears yellow hybrid corn, Wm. P. Habiger, Parsons; 100 ears white hybrid, G. C. Rice, Meriden; sweepstakes, Habiger; champion 10 ears yellow, Rolly Freeland, Effingham; champion 10 ears white, Shirley Rice, Valley Falls; sweepstakes, Freeland.

Wheat sweepstakes, Ramon Stephenson, Rozel 4-H club boy, on a sample of Wichita.

County collective booths: Eastern Kansas winner, Franklin county; Central Kansas, Reno; Western Kansas, Comanche; grand champion, Buhler Chapter FFA, Reno.

County project booths: Ellsworth county, 1st.

Calves and Grass Fit a Rough Farm

CALVES and grass are enabling Ross Sherwood to make a go of farming on an extremely rough acreage in western Johnson county. He buys calves in fall, pastures them on rye, sweet clover, wheat and lespedeza. Winter feed is mainly just lespedeza hay and salt. But there is grazing thru all but the worst winter months.

After doubling their weight, these calves are sold the following fall. And more calves are bought back even if 30 cents a pound is the asking price. He figures he can take 20 cents the following fall for those 30-cent calves and still pay back the investment.

One look at his farm and you must admire the courage of this young veteran of the recent war. He lists 110 of 240 acres as tillable. Tillable on this

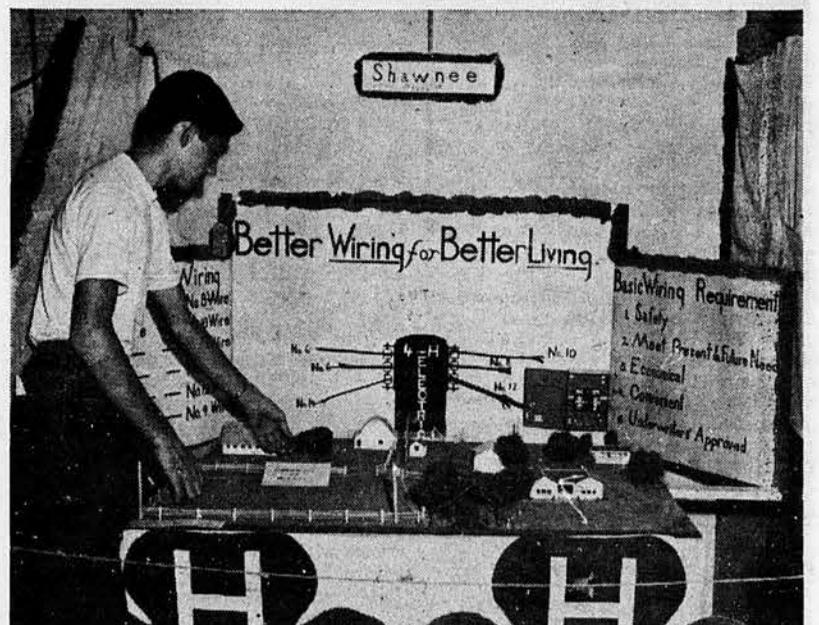
farm means good enough to seed small grain with legume, either sweet clover or lespedeza. In the meantime Mr. Sherwood is pushing back the brush a little farther each year. It is making more room for more pasture crops.

Used Small Feed Outlay

Last fall he bought 25 calves that averaged 380 pounds. They ranged from 250 to 500 pounds in size. They doubled their weight all right in a year's time. And it was done with an exceptionally small feed outlay. Just grazing and hay.

The grass and calves program which he has started, along with use of fertilizer, stands a good chance of making this rough, weedy acreage into a good farm.

Shawnee County a Winner



A COMPLETE ELECTRICAL FARM made by Joe Conley, of Rossville Rustlers 4-H Club in Shawnee county, won purple ribbon for booths at State Fair at Hutchinson. Joe built the miniature farmstead, wired it completely, and entered it first at the Kansas Free Fair, Topeka, where it was awarded the blue ribbon. Shawnee county wins the trophy which is annually given to the county with the purple-ribbon booth.

Thoughts TO LIVE BY

Guidance

A TRAMP asked a farmer for a handout. It was apple picking season, and the farmer told him he could earn a good meal and several dollars by working in the orchard. As he picked the fruit, he was to put the large apples into one basket, the small apples into another, and the medium apples into a third. An hour after he started, the farmer found him sitting under the tree with a look of exhaustion on his face. "What's the matter," the farmer asked, "is the work too difficult for you?" It is not the work that bothers me," replied the tramp, "it's the decisions."

It is the decisions in life that bother most of us. Should we go on to school? What work should we choose? Whom should we marry? Should we borrow money to buy a house? How many children should we have? Should I live on the basis of the best I know or should I take moral short cuts? Should I accept public responsibility? These are only a few of the many decisions a person must make.

Many of us need help in these matters. It isn't enough to say God will guide us. We know that. Haven't we sung "He Leadeth Me"? But we still wonder how we can avail ourselves of the guidance God gives. "God moves in a mysterious way his wonders to perform," so it isn't surprising that he guides us in various ways.

For one thing, he has given us minds to use. By studying various factors involved and applying good sense, we have a good start. It wouldn't be wise for me to marry a Chinese girl not because I am better or worse than a Chinese girl, but because I don't speak her language. Nor would it be sensible for me to try to earn my living in the opera, for I can't sing. Study, intelligence save me from a number of blunders and thus guide me aright.

A second method is consultation. A lawyer can help me with legal

matters, a physician counsels me in time of illness, a teacher helps me discover my aptitudes, a banker or an industrialist advises me on business matters, and a clergyman serves me when confusion darkens my mind. It is wonderful assistance these men can give. Because of their training and experience, I weigh their words carefully, but I am not bound by them, unless there is no other way of checking their counsel, for all men are fallible. The decision is mine I must make it, but these men and others can help.

A third method is to carry your proposed solution to an extreme. This will only work in certain areas, but it is valuable where it can be applied. Suppose everyone lived for revenge, cheated or followed the road of greed, what kind of world would it be? Or suppose everyone forgave and lived honestly and unselfishly, what kind of a world would it be? Suppose on the one hand everybody raided the public treasury, and on the other hand suppose that no one did, what a difference it would make. This simple technique can often be applied to advantage.

A fourth method is related to the third. Can the contemplated decision endure the spotlight? Decisions that must be kept secret are usually dangerous. A couple can surmount any problem when it is faced openly, but let either husband or the wife keep a secret from his spouse (other than those associated with Christmas and birthdays) and the home is in jeopardy. It is only a short distance from such a secret to a guilty conscience and from a guilty conscience to mental illness or divorce.

The fifth and final suggestion is prayer. God, in his own time, opens doors, and plants ideas. Prayer needs to be checked by other methods, but they also need to be used with prayer.

When the guidance has been received and the decision made, don't look back. Lot's wife did that. Look forward. The future belongs to you for you have chosen as wisely as possible. —Larry Schwarz.

Guess When Dairying Started

DID you know 60 million quarts of fresh milk and cream are distributed to consumers thru doorstep deliveries and stores every day?

This is just one of many interesting facts behind the story of milk and its importance to Mr. Average Citizen, U. S. A., says the Milk Industry Foundation.

Milk is one of the oldest known foods. Records exist of cows being milked in 9000 B. C. Hippocrates, celebrated Greek physician of ancient times, recommended milk as a medicine 5 centuries before Christ. Milk containers and strainers were being used as far back as 3500 B. C. The first cows were brought to America in 1611 at the Jamestown Colony in Virginia. Cows arrived at the Plymouth Colony in 1624, and that really marked the beginning of the American dairy industry.

The United States today is the great-

est dairy nation. "Rivers of milk" flow yearly. If all milk produced in 1949 had been put in quart bottles side by side, the bottles would extend almost 140 times around the earth. Nearly 23 million cows on three-quarters of the Nation's 5,859,000 farms produce 55 billion quarts of milk a year. Kansas had 580,000 cows in 1949 which produced 1,214,000,000 quarts of milk. One out of every 15 U. S. families is dependent on milk for a livelihood.

Nearly half of the Nation's milk is used for drinking and cooking. The other half is used for butter, cheese, ice cream and a myriad of products ranging from powdered milk to pharmacy materials. Value of this annual output is estimated at 8 billion dollars. Milk and its products comprise about one fourth of the foods consumed annually by the average American.

Milk was more than 14 per cent of the 1949 farm cash income excluding government payments, was larger than from hogs, almost twice as much as from wheat, nearly 1½ times poultry and eggs, more than 1½ times cotton, and 4 times tobacco.

New research is giving greater emphasis to the value of milk as a mainstay in the diet of nutrition-conscious America. Milk and dairy products are economical foods containing vital components of the diet. Our Nation's health is benefiting each year from high level consumption.

Controlled Furrow Watering...

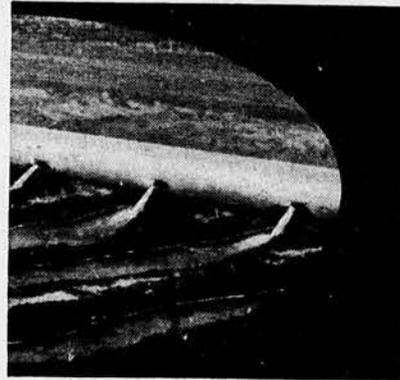
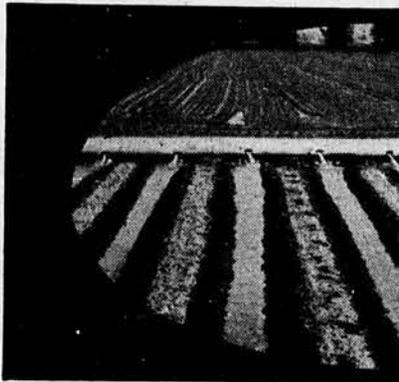
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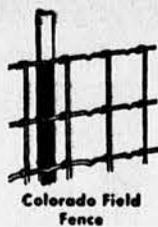
Helpful, Educational

We've taken Kansas Farmer for some time and think it is a very helpful and educational magazine.
 —Mrs. Ivan Montgomery, Burlingame.

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WIRE PRODUCTS

Everybody wants to borrow my
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For approximately 1/3 of the cost of a regular 3-plow tractor, your present 4-cylinder Ford can be converted to a faster, more powerful tractor. Standard parts are used throughout.

Write today. A card or letter will do or, if you wish, have your local tractor dealer write.



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We Have Been Wrong About Poultry Litter

By TOM AVERY, Department of Poultry Husbandry, Kansas State College

FREQUENTLY when we decide to do a better job of managing livestock, it requires some extra labor or expense. This is not the case with the most up-to-date method of managing litter in the laying house.

Not so many years ago it was believed necessary to change litter in the poultry house every few days if dry litter and good results were to be expected. Sanitation was largely restricted to use of fork, scoop shovel, broom and spray pump. Science has taught us we can save much of this back-breaking labor by letting nature's sanitary processes do a better job by using built-up litter.

Built-up litter is more or less what the term implies. It consists of adding fresh litter in the beginning, then from time to time adding more fresh litter. None is removed until it becomes 10 to 12 inches deep, or until litter becomes so deep it is difficult to handle, then only small quantities are removed at one time.

After several months of accumulation the litter appears dirty, when in reality it is actually more sanitary than fresh litter that has had birds on it a few days. The same principal applies to the built-up litter that applies to the compost heap. Actually old, built-up litter is drier, more absorbent, and less obnoxious than fresh litter after a few days of use. This is brought about by certain chemical and biological changes.

It's Time to Start

If good results are to be expected this winter, start building up litter now. Exact type of litter isn't too important so long as it doesn't pack readily. Wheat or oats straw, ground corncobs, wood shavings or any of several commercial litters all work very well.

If the house has been cleaned and pullets are ready to be moved in, a good system is to add about one inch of course gravel to the floor. As soon as this gets a little dirty start adding fresh litter. It is best to add often in relatively small quantities rather than adding a large amount all at once. It is time to add more litter whenever present litter is well chopped up.

Advantages of using built-up litter are several. If the built-up litter was started early and has had sufficient time to become well pulverized and several inches deep, then one can practically be assured of a dry house this winter. Built-up litter tends to absorb moisture much better than fresh litter. This is because there are so many fine particles to absorb moisture and partially because bacteria tends to use up some of the moisture. At any rate it is a great saving of labor and expense not to clean the poultry house every few days in winter to keep it dry.

One of the most recent discoveries regarding built-up litter is the revelation that it has some very definite nutritional properties. Recent experiments at the Ohio Agricultural Experiment Station show pullets fed a ration deficient in protein were, when reared on old, built-up litter, able to grow normally and lay as well as control birds. Eggs from these birds also hatched well.

More research is being done on the subject but a few rather definite conclusions already may be drawn. Built-up litter, properly managed, is known to be helpful in controlling certain diseases, especially coccidiosis, a serious and well-known disease.

It also is known to contain some nutritional properties such as riboflavin and certain animal protein factors including B₁₂.

The practical results of poultrymen all over the country who have switched to built-up litter are in keeping with experimental evidence. As more research is carried on it will unquestionably uncover more interesting facts about built-up litter.

Save All

Just a word of appreciation for your articles published under "Thoughts to Live By," in *Kansas Farmer*. I clip and save them all and expect to make good use of them in church and Sunday School devotional periods this fall and winter. Keep up the good work.

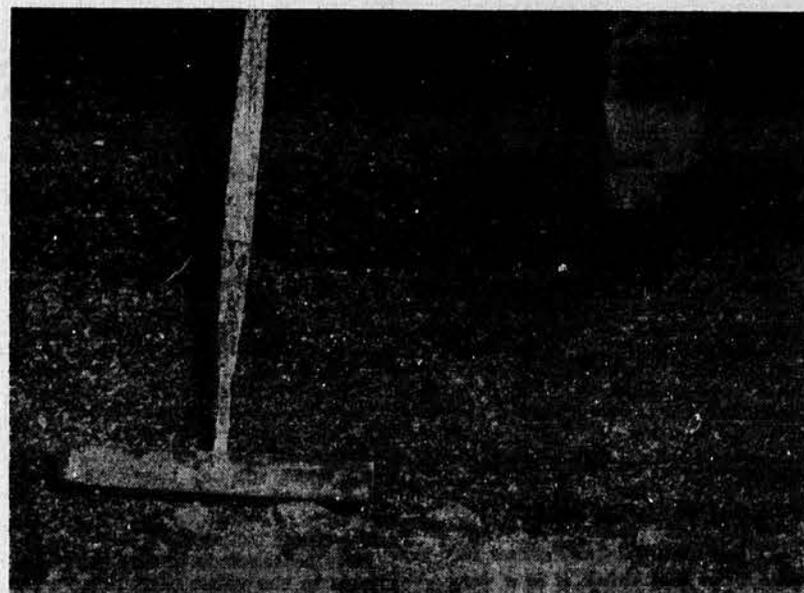
—Mrs. June P. Willis, Pittsburg.

Kansas Included in Goodyear Soil Awards

The Goodyear Tire & Rubber Company has announced extension of its Soil Conservation Awards program to all of Region 5 of the U. S. Soil Conservation Service, which includes Kansas. In addition to the 8 Lake and Corn Belt states of Region 3, the program now will cover Region 5—Kansas, Montana, Wyoming, Nebraska, North Dakota and South Dakota. The new program will cover the period, July 1, 1950, to June 30, 1951. The entire program is carried out at the state level, Kansas soil experts serving as judges and selecting award winners.

Members of the outstanding Soil Conservation district governing body in Kansas and the 3 leading soil-saving farmers or ranchers co-operating in that district will be awarded bronze plaques and a winter vacation at Litchfield Park, Ariz. The free, week-long trip includes a trip to the Goodyear Farms and the Wigwam guest ranch at Litchfield Park.

Easy to Stir Litter



LOOKING FOR AN EASY tool to stir litter in the poultry house? Try this idea used by Mrs. Ralph Bradley, Labette county. She took an old hoe handle and had her husband attach a metal blade 1 1/2 inches in depth. She pushes blade along concrete floor and litter is pushed up and back over the blade. Be sure to spread sand on concrete before you start litter to keep it from sticking to the floor.

MORE HAM AND EGGS

WITH **LASSY'S BALANCED NUTRITION** **PLUS A.P.F. FROM AUREOMYCIN**



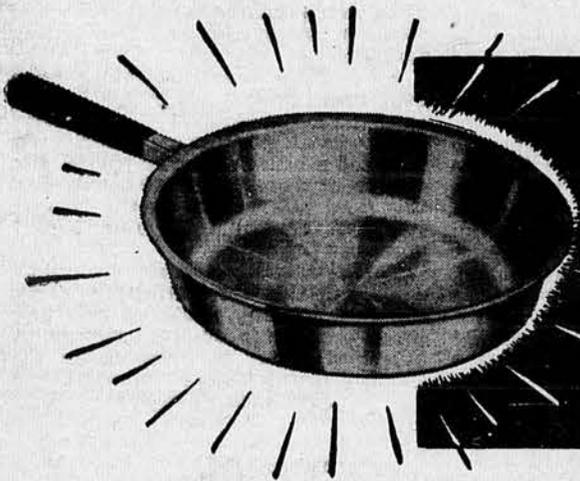
There are TWO REASONS why LASSY users get such big fast economical pork gains and up to 15% more eggs.

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SEE YOUR LASSY DEALER

Ask for LASSY the next time you need hog or poultry feed. Try it for 30 days. Once you see the **EXTRA MEAT** and **EXTRA EGGS** you get, we're confident you'll never be satisfied with anything else.



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Not an ordinary Fry Pan but **EXTRA HEAVY GAUGE** aluminum that holds heat . . . gives you more even cooking and frying. Full 10" in diameter makes it ideal for frying chicken, steak, chops, ham and eggs . . . anything. And it is just one of a complete set of **COOKWARE** you'll find in the new **LASSY MERCHANDISE CATALOG** found in each bag of feed. So take advantage of this offer now. Get a supply of **LASSY FEED**. Send for this fry pan today! But Hurry. An unusual value like this won't last long. So see your **LASSY** dealer today!

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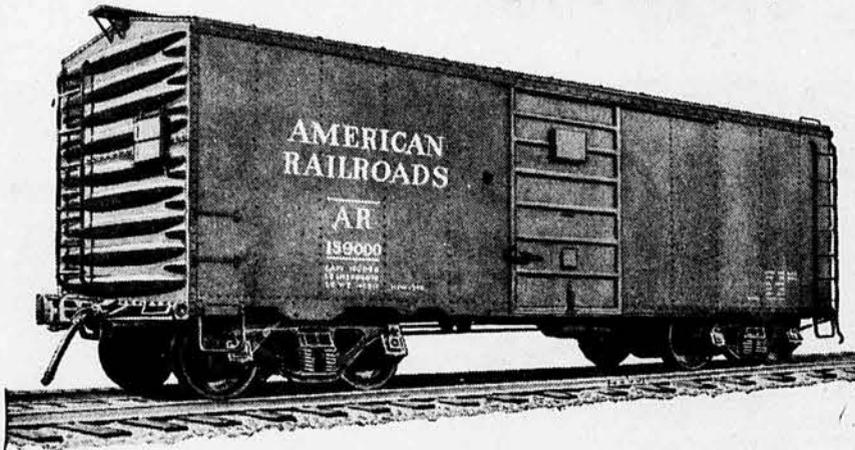
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ANOTHER \$500,000,000 WORTH!



A far-reaching program for rail transportation—designed to meet the rising needs of commerce and the demands of national defense—was adopted by the member lines of the Association of American Railroads at a recent meeting in Chicago.

As part of that program, the railroads have placed, or are in the process of placing, orders for more than \$500,000,000 worth of new freight cars. This brings the total spent on improvements in railroad plant and equipment since World War II to more than 5 billion dollars.

In the past ten years, the railroads have built and bought 600,000 new, bigger and better freight cars, 11,000 new Diesel units, and 1,700 new and improved steam locomotives, besides making great improvements in tracks, terminals, signals, shops, and every part of the railroad plant.

In addition, railroads are speeding up the return to service of freight cars awaiting repair, and are taking steps—with the cooperation of shippers and government agencies—to secure the maximum utilization of all available cars.

The program of the railroads is an essential part of any increase in national production—for neither in commerce nor in defense can America produce and use more of anything than can be hauled. There is no way in which the nation's effective hauling capacity can be expanded so quickly and with such small demands upon man power and materials, as by adding to the serviceable freight car fleet of the railroads.

In meeting transportation demands in World War II, the railroads enjoyed splendid cooperation from users of transportation, much of it organized and carried out through the Shippers Advisory Boards and their local Car Efficiency Committees; and the helpful assistance of an outstanding government agency, the Office of Defense Transportation. With this same sort of cooperation and with an opportunity to secure necessary man power and materials, the railroads will reach the goal to which they are pledged—adequate transportation for all America, in peace and in war.

ASSOCIATION OF AMERICAN RAILROADS
WASHINGTON 6, D. C.

Listen to THE RAILROAD HOUR every Monday • Sponsored by NBS

The Old Chisholm Trail

By LELA BARNES

*Come along boys, and listen to my tale
I'll tell you of my troubles on the old
Chisholm trail.*

*With my blanket and my gun and my
rawhide rope
I'm a slidin' down the trail in a long,
keen lope.*

*Coma ti yi youpy, youpy yea, youpy
yea,
Coma ti yi youpy, youpy yea.*

AT THE CLOSE of the Civil war, there were millions of cattle swarming over the plains of Texas. No ready market existed and herds were offered at \$1 to \$2 a head, with no buyers. It was said a Texan's poverty was estimated by the number of animals he possessed.

Cattle raising in Texas had begun with first settlement. Spaniards moving northward out of Mexico had brought Andalusian longhorns, descendants of animals introduced by Cortez in 1519; and American settlers, first of whom came in the 1820's, brought cattle from the North. By 1830 there were about 100,000 animals on the range and herds continued to increase steadily under favorable conditions of pasture and climate. Small numbers of cattle were shipped by boat to Mobile and New Orleans, and there were a few drives to distant points, but even this desultory movement ceased with the outbreak of the Civil war. As a result, soldiers returning to Texas at the end of the conflict found the range teeming. Here was the meat now so badly needed in the North. The problem was how to get it there.

Texas Cattle to Market

In the spring of 1867, Joseph C. McCoy, a cattle dealer of Illinois, journeyed to Kansas to see what could be done about getting Texas cattle to northern markets. McCoy saw the problem was largely one of organizing shipping facilities so cattle could be received and loaded for shipment by railroad. He selected Abilene for his cattle depot, the Kansas Pacific having reached that point, and by July 1 had begun construction of shipping yards, corrals, chutes and barns. By September 1, he was ready to handle large numbers of cattle, but a route for the long drive from Texas remained to be worked out.

Trade Route Laid Out

A trade route running from the mouth of the Little Arkansas into the Indian Territory had been laid out a short time before this by Jesse Chisholm, a half-breed Cherokee Indian who had a trading post at Wichita. Chisholm's trail, as it was then called, crossed the southern Kansas border at Caldwell. The route was the easiest one thru the country and had probably been used by Indians and migrating buffalo.

There were numerous cattle trails in

Texas in 1867. Most of them merged at the Red river into one route that joined Chisholm's trail. Because the trail did not extend beyond Wichita at its northern end, McCoy employed workers to mark the route from that point to Abilene. The name Chisholm trail was soon applied to the entire length running from Texas to Abilene.

It should be noted that some investigators believe the trail received its name from John Chism, a cattle owner of New Mexico. Similarity of names has probably contributed to the confusion. Careful studies and evidence, however, support the conclusion that John Chism did not lay out this trail.

Cattle Shipped From Abilene

During the winter of 1867-68, McCoy distributed circulars among Texas cattlemen and sent personal representatives to put before them the advantages of sending their cattle to Abilene; and at the same time he urged northern buyers, thru extensive newspaper advertising, to purchase their stock at Abilene. A total of 75,000 cattle were received at the shipping yards in 1868, and 350,000 the following year. The long drive was on, and it is estimated 2 million longhorns were herded up the Chisholm trail before it was abandoned.

Abilene was the center of receiving and shipping until 1871 when the A. T. & S. F. railroad reached Newton and a market was established at that point. Trade passed to Wichita the next year and subsequently, as settlement moved westward with the railroads and land was fenced off, the market moved to other Kansas towns including Great Bend, Larned, Ellsworth, Caldwell and finally Dodge City. Shifting of the market necessitated new trails and some were also called the Chisholm trail. Actually, the name is properly applied only to the route from Texas to Wichita and Abilene.

Large Size Operations

The entire operation was fabulous. Tremendous herds, sometimes numbering as many as 3,000 head, were driven over the long route. Cowboys were picturesque, skillful and intrepid. They were prepared to meet hazards of weather, stampedes and marauding Indians.

Size of the crew assembled by a drover was determined by the number of cattle in the herd. Trail hands were selected with greatest care. Each crew included a horse wrangler who was in charge of from 50 to 100 horses and this herd was known as the "cavvie yard." A cowboy used from 2 to 7 horses on the drive.

There was, of course, a "chuck wagon." In this were hauled provisions, supplies, bedding, clothing and personal belongings of the cowboys. A barrel of water was carried in the wagon bed with a spigot running to the

(Continued on Page 17)



There were numerous cattle trails in Texas in 1867. Most of them merged at the Red river into one route that joined Chisholm's trail. More than 2 million longhorns were herded along this route before it was abandoned.

outside, and there were compartments for utensils. A practical feature was a cowhide hung loosely beneath the wagon carrying fuel. Wood found along the way was thrown into this for use in sections where there was no timber.

The morale of the crew was largely in the hands of the cook who was expected to produce the hardy fare required on the drive. Flour, bacon and coffee were staples. Three-quarters of a pound each of bacon and flour were allowed for each hand per day.

Herds Started in Spring

Most of herds were started up the trail in March and April when water and pasture were more plentiful than later in the season. Also, it was desirable to rest the cattle and graze them on the succulent northern grasses for a month or two after the trip. This was not possible when drives were late in the season, unless the cattle were held on pasturage thru the winter before shipping.

A week or more was required to "break in" the herd. During this time the animals were driven 25 or 30 miles a day to get them as quickly as possible off the home range where they were hard to control. Also, they were less inclined to run away at night if tired by a day's trip. When accustomed to the trail, driving was decreased to 10 or 15 miles a day.

Skilled Managers Needed

Great skill was required in managing the herds at night. The cattle were driven into as small a space as possible, the cowboys riding around them until they formed a compact group. Relays of guards rode thruout the night singing softly if the animals became restless. The human voice had a quieting effect and it was even said cattle would not stampede if a voice could be heard. American folk music has been everlastingly enriched by songs of the herders on the trail.

Stampedes were hazards of the drive. They were most frequently caused by storms. A flash of lightning or the roar of thunder could frighten a herd into a frenzied mass of bellowing, charging animals. When this happened, every member of the crew was instantly in the saddle, riding with the cattle. Leaders were overtaken and started in a huge circle which was gradually narrowed until the animals

were milling in a small space where they could then be quieted. Sometimes the cattle scattered and days were required to round them up.

Swimming the cattle across streams—and this was necessary when rivers were swollen—was an undertaking that required courage and cool judgement. If the leaders could be started across, the others would generally follow as they did on the trail. But sometimes the animals became excited in mid-stream and churned wildly until the herders managed to string them out again.

The drive from the Red river to the cow towns of Kansas required about 35 days. On arrival at the shipping point the animals were rested and fattened on grazing grounds adjacent to the town until the herd could be sold.

Cowboys Celebrate

When the sale was made, cowboys received their pay in a lump sum. With soaring spirits and ready cash, they then advanced upon the town where saloons and dance halls offered riotous entertainment. Gambling, liquor and reckless debauchery, with easy and frequent use of hip artillery, combined to create a lawless situation. (Not all cowboys, it should be remarked, lent themselves to these goings-on.) Until Abilene was incorporated in 1869, no effort was made to restrain the disorder. With the necessary laws, the town set out to clean house. Little headway was made, however, until Tom Smith was brought in as marshal. Smith upheld the law and reduced crime to a minimum, but he was killed after 6 months. "Wild Bill" Hickok succeeded Smith and maintained order until Abilene no longer was a cattle town.

Abilene Cattle Business Ends

By 1871 the Texas cattle business had come to an end in Abilene as a result of increasing settlement in the surrounding country and extension of A. T. & S. F. to Newton. In February of 1872 circulars were sent by Abilene's citizens to Texas cattlemen asking them to drive their cattle to other points and no herds were driven there after that time.

The center of trade moved from Newton to Wichita in 1872, Ellsworth and Caldwell in 1873, and then to Dodge City until the close of the long drive.

Feeding Cattle an Easy Job

YOU would enjoy feeding cattle, too, if you had a feeding setup like that on the Herman Darnauer farm, Sherman county. The system used by Mr. Darnauer is about as near perfect as you could have. He has two 16- by 50-foot upright silos equipped with electric automatic silage unloaders, which makes the job quick and easy.

Just by flipping a switch he can start the machinery going, then do other chores around the farmstead while the unloader fills his silage cart at the bottom of the chute. A time clock turns off the motor when the cart is filled.

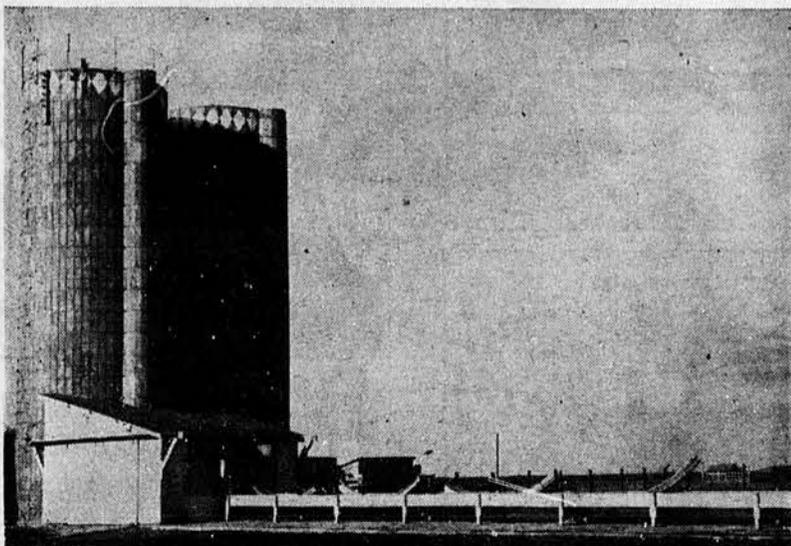
The Darnauer silage cart is on wheels and runs on top the 90-foot feeding bunk. This cart will hold more than a ton of silage, which is distributed in

the bunk by gravity when floor boards in the cart are removed. A 100-foot concrete feeding floor gives the cattle a clean, dry place to eat in all kinds of weather.

With his large silage cart on wheels, Mr. Darnauer can feed 60 head of 800-pound steers in one trip.

Big Turkey Crop

Turkey crop in Kansas this year is largest since 1946. Producers boosted production 13 per cent above 1949, according to the Bureau of Agricultural Economics and the Kansas State Board of Agriculture. Number of turkeys raised this year is estimated at 838,000.



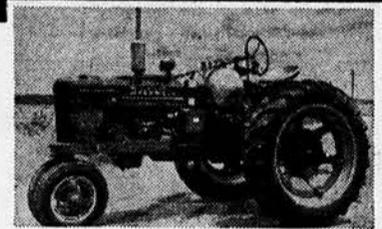
THIS MODERN feeding setup is on the Herman Darnauer farm, Sherman county. Concrete feeding platform is 100 feet long and silage cart runs on bunk rails. Silos are equipped with electric automatic silage unloaders.

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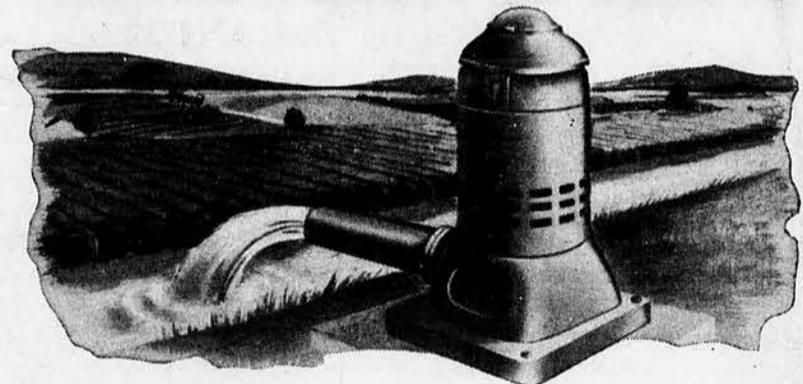
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Mary Lou Goes to England

We Found One Spot in England Where Farming Is Very Different—in Kent; Old Inns Were of Special Interest.

You remember Kansas Farmer promised to bring you letters from our 3 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the fifth one from Mary Lou Edwards, of Manhattan, written from East Sussex County, England.



Mary Lou Edwards

DEAR MR. GILKESON: Bidding good-bye to the county of Lincoln on August 18, our group of 9 moved south by train to London, where we discovered our assignments for the next 2 weeks. We were to go to the southeastern area of England, and some of our party would be in the counties of Berkshire and Buckinghamshire, while Betty Jane Alexander, delegate from North Carolina, and I would be visiting in the county of Kent for a week.

In Kent, garden spot of England, we found farming very different from any we had seen in other parts of England. Canon Court Farm, owned by John Blest, my host for the week, included 300 acres devoted chiefly to production of fruit—apples, plums, cherries, raspberries—and hops, which find a ready market in London, only 30 miles away.

Most popular varieties of apples grown in Kent are Bramleys for cooking, Lord Darby and Wochester for eating. The orchards are under-sown with grass, and in summer until limbs come down with weight from fruit, grass is gang-mowed.

Sold on Trees

Orchards in Kent have to be sprayed to help control codling moth, saw fly, apple capsid, and red spider. Most fruit crops are sold on the trees, so the farmer need not have the worry of picking them, when he needs to be looking after harvesting the hops.

Several large orchard owners in Kent have their own gas storage plants, and Betty Jane and I were fortunate enough to see around one.

Apples and pears are picked in late August and September, graded, wrapped in oil paper, packed in wooden crates and put in storage chambers capable of holding 50 tons of fruit. These chambers are sealed immediately and fruit is kept here until early March, when the chambers are opened and apples and pears are taken by truck to London.

Kent county is world-known for production of hops, and it was interesting to us 4-H'ers to see hops and find out about their cultivation and harvest. Neither of us had seen hops growing before.

We found hop seeds are planted, several to a hill, in rows 7 feet apart, and hills each 4 feet apart within the row. Seedlings are trained along a string to facilitate cultivation and harvest. The 2 most popular methods of stringing are "butcher weave," the vines being strung vertically for about 4 feet, then slanting at about an 80-degree angle, and the "umbrella" string, the 4 vines in each hill being strung in a fashion resembling an inverted umbrella.

Harvest of hops usually gets well under way during the last week of August. As most hop-picking machines have not proved satisfactory, hops are picked by hand. Pickers come down from London, live in very small huts provided by the farmer, and pick hops for wages paid on a weight basis.

First step in harvest is to cut the top strings, allowing hop vines to drop down to shoulder level. Each picker has a "bin" and moves down the row, removing all hops from each vine. An experienced worker will pick enough hops to average about \$3 a day in wages—if the weather co-operates!

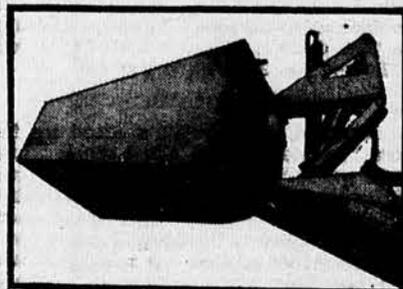
After picking, hops are taken to the oast house, where they are spread on a dryer at a depth of about 5 feet. For about 10 hours dry heat from the kiln is conducted thru the hops. At just the proper time the dried hops are removed from the dryer and cooled. The

(Continued on Page 19)

GRANDMA . . . By Charles Kuhn



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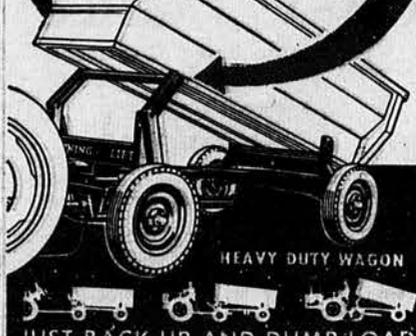
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dried hops are next packed by an electrically operated press into tow bags, and sent to market where they are purchased by brewers to be used in the flavoring of beer.

In Kent, as in other counties, we found many places and people of interest. One afternoon we had tea with Mr. and Mrs. John Marchant, of Waterringbury. Mr. Marchant has the unique vocation of designing the signs for many of the old Inns and pubs in Kent.

He was very kind to tell us the colorful history of many of these Inns, which date from the year 1400 when travel was by stage coach and horses. Then Inns were an important feature of all travel for it was at these points, horses were changed, passengers obtained food and drink, and local villagers gathered to hear news of happenings in other parts of England.

Today they no longer function as Inns, but are still the gathering places of many of the villagers. They maintain their old names, and many have miniatures of their sign which they give to customers who come in for an evening mug of beer or cider, and a chat.

Many Interesting Names

Some older Inns and pubs have interesting and historical names, stories, and prophecies, common only to England. There is the "Hare and Hounds" with its philosophy—"Hunting I reckon very good, to brace the nerves and stir the blood." Or "The Spotted Cow"—"The cow knows not what her tail is worth, 'til she had lost it!" And the fruitful horn of plenty entitled "Peace and Plenty" with its word of truth "By wisdom peace, by peace plenty." Others are "Forrester's Arms"—"In a moment the ashes are made, but a forest is a long time growing"; "The Plough Inn," appealing to farm workers with this motto "A Ploughman on his legs is higher than a gentleman on his knees," and finally the "Star and Garter" which states, "Evil to him, who evil thinks." All have their own individual name and story.

Coming Events

- October 7—Wabaunsee county annual feeder calf show and sale.
- October 10—Pottawatomie county corn field day, with L. E. Willoughby, KSC Crops and Soils Specialist.
- October 10—Stanton county sorghum field day.
- October 11—Morton county, crops and engineering meeting, with Bieberly & Selby, KSC specialists.
- October 11-13—Norton county, Republican Valley 4-H fat stock show, McCook, Neb.
- October 12—Shawnee county, crops tour, with L. E. Willoughby in charge.
- October 13—Miami county beef tour.
- October 14-16—Phillips county, metal craft lesson, by Ellen Batchelor, KSC Extension Department.
- October 14-21—American Royal Live Stock Show, Kansas City, Mo.
- October 15—Jackson county cornfield day.
- October 18—Osborne county, cornfield day, George Verhage farm, Downs.
- October 19—Lane county, farmers and Rotary members sorghum meeting and field tour, dinner, Christian Church, Dighton.
- October 19—Elk county, 4-H Junior leadership party with Longton Booster 4-H Junior Leaders as hosts, Longton.
- October 25—Jefferson county cornfield day, tour.
- October 25—Rush county achievement day for home demonstration unit members.

KANSAS FARMER

Continuing Mail & Breeze

121-123 West 8th St.
Topeka, Kansas

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Our week in Kent was so interesting it was with sadness we said "Cheerio" to our hostesses and departed for the county of East Sussex for a week before going over to Wales. It was especially fun living with the Blest family, a young married couple who were more nearly our own ages. Their big farm home was used as living quarters for R.A.F. boys from a nearby aerodrome, during the war, so it had just recently been remodeled. Elizabeth was quite interested in finding out about "Kansas" cooking, and we spent some time baking, using recipes I had brought from home. We had quite a time as all the equipment she had was for weighing the ingredients in ounces, and not for measuring in cups and tablespoons, as we do at home. But even so, we got a chocolate cake that was pretty good!

In Sussex, Betty Jane and I found that altho the distances were short, the farming differed quite a bit in the 2 counties.

Top Soil Is Thin

East Sussex produces a small amount of hops, orchards are numerous, but there is little market gardening because the top soil is quite thin in many areas, being underlaid with chalk. These areas are used chiefly for grazing sheep, dairy cows and Sussex beef herds. Sussex cattle resemble Lincoln Reds and Shorthorn beef cattle to some degree. They have a dark red coat and tend to be a larger beast than the Shorthorn. Two distinguishing characteristics are white-tipped tail and long-curved horns.

Many old crafts are still unchanged in Sussex county. We enjoyed visiting a woodcraft shop where Sussex trugs, a shallow willow basket, are hand-made. Other crafts we saw included pottery works and hand weaving.

After 2 interesting months of farming and sightseeing in England, our group is eager to get a picture of farming in Wales, where we will spend the first 3 weeks of September, while 4-Hers at home will be starting back to school. —Mary Lou Edwards.

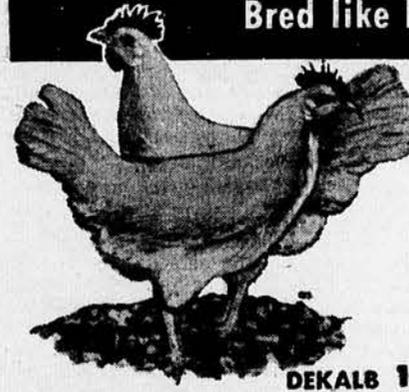
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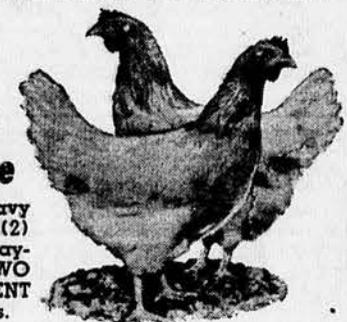
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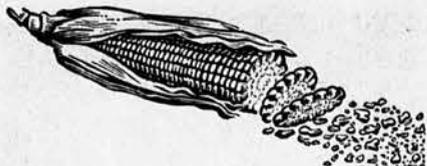
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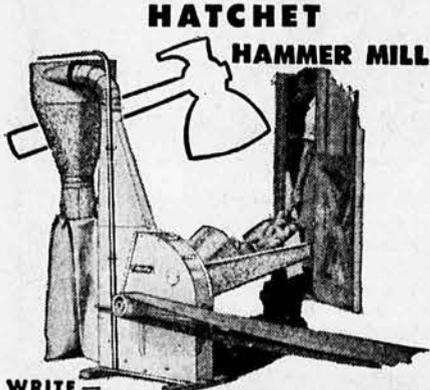
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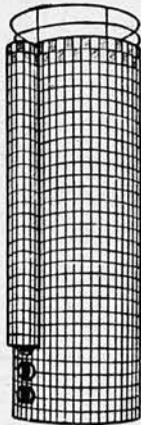
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Want Super Lawn

Everyone Asks for Grass That Will Stay Green Longer and Require Less Cutting

By WILLIAM G. AMSTEIN, Kansas State College

MANY questions on lawns serve to show the wide variety of problems encountered in establishing and maintaining this most important item. Everyone is always asking for a "super" lawn grass such as one that will stay green the year around, not require too frequent mowing, possess drought resistance and not too subject to competition from weeds. Thus far the answer has not been found and Kansas is too large a state to expect to find the answer for everyone in any one material. Generally some extra effort will be needed in many areas for best results with any lawn grass.

The principal lawn grasses in use in Kansas at present are Buffalo grass, Bermuda grass and Kentucky bluegrass. Some Bentgrass as well as African Bermuda or Velvet grass also are tried. These last ones are not too well known at present, especially their problems. A new joint program on the study of lawn grasses, including many items now in question, is expected to get underway very shortly at Kansas State College.

A Western Grass

Buffalo grass under natural conditions without extra water available is the most generally useful grass for the western two fifths or half of the state. Left to take care of itself without extra water or fertilizer, Buffalo grass will probably manage best since less trouble with weeds will develop. However, do not expect Buffalo grass to do well in shade or where shaded by weeds.

Buffalo grass can be established by using pieces of sod or sowing seed. In recent years improved seed harvest and treatment has placed the use of this method in top place as a means of establishing a Buffalo lawn. On a well-prepared seeded the use of 1/4 to 1/2 pound of treated seed to 1,000 square feet will give good results. Middle to late April is a good season to drill the seed. Covering should be about one-half inch deep. Occasional mowing to keep down weeds and give a uniform lawn is needed. At the end of the first year, good results will be noticed and by a year later, a good sod will be had. Bermuda grass is commonly used in

southern and eastern Kansas. While Bermuda has the problem of a short growing season, it somehow manages to get in many gardens, flower beds and shrubbery rows. Questions on Bermuda grass more often have to do with getting rid of it than establishing it, but in many areas it is still the best lawn answer. After all it will take dry weather and high summer temperatures and is not expensive or difficult to establish.

Kentucky bluegrass where it is adapted is the best grass in Kansas. However, in many sections of the state, extra attention in fertilizing, watering and weeding as well as more care in mowing are needed for success with it. In eastern, especially north-eastern, areas of the state, bluegrass does best.

Hutchinson Knows How

Some of the more common failures are caused by weeds, lack of needed fertility and failure to water thoroly. More bluegrass lawns are lost by "irrigation" when the folks taking care of them call it irrigation. Hutchinson has more good bluegrass lawns that are given the extra water needed than most any place in the state.

The best time to seed bluegrass is early in September in a soil that is free of weeds and has been fertilized with nitrogen and phosphate. Seeding a good grade of bluegrass at the rate of 2 pounds to 1,000 square feet is suggested. The ground should be rolled and kept well-watered.

Keeping the bluegrass lawn in shape requires more attention than is usually realized. Avoid too close mowing. Two to 2 1/2 inches is close enough. In early spring the use of 5 to 10 pounds of a 6-30-0 or a similar material per 1,000 square feet is suggested. Some repeat this treatment in late summer or early fall.

Weed control by keeping a good stand and a little hand weeding is still a good way to maintain a bluegrass lawn. The use of 2,4-D or other chemicals for weed control too often seems to get out-of-hand. Shrubs, flowers and the garden seem to be included in the path of the 2,4-D fumes even tho it is unintentional.

Who Won Championships At Kansas Free Fair

COOL but mostly clear weather brought record crowds to the Kansas Free Fair, Topeka, this year. Kansas livestock exhibitors found out-of-state competition increasingly rough in some shows.

Outstanding single Kansas exhibitor was W. S. Watson, of Hutchinson, who made a clean sweep of all championship honors in the big Ayrshire show. In the swine show Wayne L. Davis, of Mahaska, had champions in 2 breeds — Spotted Polands and Durocs—for the best showing of any Kansas swine breeder. Mr. and Mrs. Sylvester Martin, of Mt. Hope, also made a clean sweep of top honors in the Suffolk sheep show.

Top winners in various shows were as follows:

Dairy Cattle

BROWN SWISS: Junior champion bull, Kenneth Kerns, Topeka; senior and grand, G. D. Sluss, El Dorado; junior champion female, G. D. Sluss; senior and grand, G. A. Weeks & Son, Lawrence; Kansas canton herds, N. E. Kansas, 1st.

AYRSHIRE: Junior champion bull, senior and grand champion bull, all by W. S. Watson, Hutchinson; junior champion female and senior and grand champion female, W. S. Watson; Kansas district herds, Central Kansas, 1st; N. E. Kansas, 2nd.

GUERNSEY: Junior and grand champion bull and senior champion bull, all shown by Tom Cooper Farm, Ardmore, Okla.; junior champion and senior and grand champion female, all by Cooper Farm.

MILKING SHORTHORN: Junior champion bull, Nels Torkelson, Everest; senior and grand, Mystery Farm, Hope, R. I.; junior champion female, Weidner Prairie Farms, Dalton, Ill.; senior and grand champion female, Mystery Farm.

JERSEYS: Junior champion bull, Smith Brothers, Highland; senior and grand, Hallmark Farm, Kansas City, Mo.; junior champion and senior and grand champion female,

Hallmark; Kansas parish herds, Northeast Kansas, 1st; East Central, 2nd.

HOLSTEIN-FRIESIANS: Junior champion bull, Art Jensen, Olathe; senior and grand, Ivan Strickler, Iola; junior champion female, Dondell Farm, Clearwater; senior and grand champion, Kansas State College, Manhattan; Kansas district herds, Ark Valley, 1st; North Central Kansas, 2nd.

(Continued on Page 21)

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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.

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Beef Cattle

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HEREFORDS: Champion bull, CK Ranch, Brookville; reserve, Straus Medina Hereford Ranch, San Antonio, Tex.; champion and reserve champion females, Straus; county herds, Cowley, 1st, Sumner, 2nd.

SHORTHORNS: Champion bull, William E. Thorne, Lancaster; reserve, Kansas State College; champion female, J. A. Collier, Fletcher, Okla.; reserve, Lacy & Son, Miltonvale.

Swine

BERKSHIRE: Senior and grand champion boar, Golden Glow Farm, Ionia, Ia.; junior champion, Murray Hill Stock Farm, Valley Center; senior champion sow, Golden Glow Farm; junior and grand champion sow, Murray Hill Stock Farm.

HEREFORD: Senior and grand champion boar, Bert F. Lyon, Sac City, Ia.; junior champion boar, Milton Haag, Holton; senior and grand champion sow, Bert F. Lyon; junior champion sow, Milton Haag.

DUROC: Senior and grand champion boar, Harvey A. Deets, Gibbon, Nebr.; junior champion, Wayne L. Davis, Mahaska; senior champion sow, Deets; junior and grand champion, Wayne Davis.

CHESTER WHITE: Senior and grand champion boar, Bloom & Son, Corning, Ia.; junior champion, Lloyd Cole, Auburn; senior champion sow, Bloom & Son; junior and grand champion, Jerald Draney, Fairview.

POLAND CHINA: Senior and grand champion boar, J. H. Saylor, Sons & Daughter, Quenemo; junior champion, Saylor; senior and grand champion sow, C. R. Rowe & Sons, Scranton; junior champion, Rowe.

SPOTTED POLAND CHINA: Senior and grand champion boar, Sunnybrook Farm,

Popular Leaflets

Big Business, or the Doings of the Culture Club, 10c.

The Bride's Blue Book, 5c. For brides and mothers.

"You Can Make It" Party, 3c.

A School Days Party, 3c.

If interested in any of these leaflets, the Entertainment Editor, Kansas Farmer, Topeka, will give orders prompt attention.

Richland; junior champion, Wayne L. Davis, Mahaska; senior champion sow, Swafford & Son, Richmond, Mo.; junior and grand champion, Wayne Davis.

HAMPSHIRE: Senior champion boar, Theodore Binderup, Gibbon, Nebr.; junior and grand, O'Bryan Ranch, Hiattville; senior and grand champion sow, Binderup; junior champion, James Poole, Wellsville.

MARKET BARROW: Grand champion barrow, Albert Keintz, Wamego, on a Duroc entry.

Sheep

SUFFOLK: Champion ram, champion ewe and Kansas bred flock, all by Mr. and Mrs. Sylvester Martin, Mt. Hope.

SOUTHDOWN: Champion ram, Harold Tonn, Haven; champion ewe, Charles Brink, Olathe; Kansas bred flock, Tonn, 1st; Brink, 2nd.

SHROPSHIRE: Champion ram and champion ewe, both by C. G. Myers, Memphis, Mo.; Kansas bred flock, W. A. Lytle, Wellsville, 1st; H. E. Heiser, Ramona, 2nd.

HAMPSHIRE: Champion ram and champion ewe, both by Glen Armentrout & Son, Norborne, Mo.; Kansas bred flock, Waldo and Ethel Poovey, Belle Plaine.

American Saddle Horses

Grand champion stallion, W. W. Stogsdill, Topeka; grand champion mare, Stogsdill.

Quarter Horses

Grand champion stallion, Claude Trueblood, Osage City; grand champion mare, Robert Q. Sutherland, Kansas City, Mo.

Agricultural Exhibits

Champion 10 ears field corn, William Ingwerson & Son, LeRoy; champion 10 ears hybrid ear corn, Alva Moore, Gardner; champion 100 ears hybrid, William Ingwerson & Son; champion 10 heads sorghum, Lowell Sheets, Topeka; individual farm display, Howard Hanson, Eskridge; special products booth, Brome Acres Farm; county collective exhibits, Franklin county, 1st; county project booth, Brown county, 1st; FFA booth, Hiawatha FFA, 1st.

Quilting Season

Quilting? Need new frames? An inexpensive quilting frame, simple to make, that takes up little space and is quickly adjusted, is described in our leaflet, "My Handy Quilting Frames." It gives complete instructions, including a drawing. Please order from Farm Service Editor, Kansas Farmer, Topeka, and include 2c to cover postage.

Low Organic Matter Big Soil Problem

LOW organic matter appears to be the big problem in Dickinson county soils. And a low phosphate level was second in fertility importance. Those conclusions were drawn from results of 3 months of soil testing in the county. Tests were made in the new county laboratory being operated by V. E. McAdams, county agent.

The Dickinson county laboratory was opened in mid-March. A total of 114 soil samples were tested the first 3 months. About 90 per cent of the tests were low in organic matter. That indicates a low release of nitrogen for growing crops. It also indicates low water-holding capacity of the soils. About 75 per cent of the tests made showed a low phosphate condition.

To stimulate interest in the Dickinson county laboratory, Mr. McAdams has made soil tubes and soil containers

available in the county office for use of farmers intending to take soil samples. Soil tubes make a quick and easy job of soil sampling. And the ice cream containers made available provide an accurate and standardized method of bringing the sample into the county office. Two soil tubes were used at the start and Mr. McAdams plans to buy 3 more which will be kept in the county laboratory.

Advise Farmers to Store Up Fertilizer

The National Fertilizer Association is advising farmers to store fertilizers on their farms now if they want to have enough for all their needs. "Never has the industry been in a better position to provide farmers with all the fertilizer they require," says the organization's president, Dr. Russell Coleman. "But never has the anticipated demand appeared so heavy."

There are several factors affecting this outlook: (1) fertilizer use has steadily soared for the last 11 years; (2) announcement that the government will support the 1951 wheat crop at 90 per cent of parity; (3) expectations that the government will also hold supports up to the full 90 per cent of parity for cotton, corn, tobacco, rice and peanuts.

Sets Production Record

Vansdale Hercules' Charm, a registered Guernsey cow owned by Keith W. Van Horn, of Sabetha, has completed an official Advanced Register record with the American Guernsey Cattle Club. Her record was 9,141 pounds of milk and 475 pounds of butterfat on twice daily milking for a 10-month period. She is a daughter of the registered Guernsey sire, Skyline Hercules, who has 6 daughters in the Performance Register of the Club.

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Dale Goes to Finland

Here's a Different Way to Take a Bath, Said to Be One Reason
Finns Are So Healthy



H. Dale Johnson

Remember, Kansas Farmer promised to bring you letters from our 3 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the fifth one from H. Dale Johnson, of Salina, written from Kainanto, Finland.

DEAR MR. GILKESON: Finns are noted for their baths, saunas; I now understand why. On Wednesday and Saturday evenings we boys go to the Tiitolas summer bathhouse near the lake. Each person partially fills a bucket with lake water. After stripping in the small dressing room we enter the other half of the bathhouse. When we have warmed our buckets of water with hot water from the reservoir, we climb upon an elevated bench and sit down.

A fire has been burning under a tub of rocks all afternoon. Therefore when a dipper of water is thrown on these rocks, it doesn't turn to steam but vaporizes. Several dippers of water make the heat intense. My ears burn as if very cold, my eyes smart. Inhaling burns the tissues of my nose. The whole idea is to perspire, and I do! To improve our circulation we beat each other with a bundle of green birch branches.

Cold Water Is Relief

After becoming well-heated, we leave the bathhouse and jump into the lake. Cold water is a relief. We swim, then sit on the boat dock and try to converse while cooling off. Later we repeat the heating-cooling process. The third time we use the buckets of water and soap to give ourselves a clean washing. When dry I feel very relaxed. Believe it or not, it is a very enjoyable bath.

One evening the boys took the pup, Lizu, into the hot room. He soon panted and thirstily drank from puddles of water on the floor. Another time 13 of us boys were heating at the same time. When we dived from the pier it looked like beavers leaving a dam. Not long ago it rained while we were warming, so I stood outside and took my first European shower bath.

The sauna is said to be one reason

the Finns are so healthy. A man commented that this bath was good for the soul as well as the body. I know these people all have a good time visiting, washing each other's backs, and swimming.

The bathhouse also is used to smoke their hams, hoghead, and oat-pea-barley meal. Hot water from the reservoir is used for washing clothes.

Do you agree that the sauna is quite an institution?

Naturally we did not celebrate the 4th of July here, but June 24, midsummer, was an interesting holiday.

On June 23, small birch trees were hauled from the forest. These were tied to the porch pillars. Branches were used to decorate the doorway and fireplace mantel, much like we use evergreen roping at Christmas. Baskets of birch leaves were gathered, then sprin-

kled about over the floors of the house.

After supper the whole family dressed warmly and boated to a nearby island. After gathering dead trees and logs we built a large bonfire on a rock that jutted into the lake. Along the shore we could see 5 such fires; when a dead evergreen was thrown to burn, the flames leaped very high. As our fire burned we ate round, sugared rolls, and pieces of thick, sugared pancake. The sun set about 10 p. m., but it was still very light at midnight. I never knew when twilight ended and dawn began. At 12:30 a. m. we young people motor-boated around the lake. The water was mirror-smooth so our wake fanned out in a beautiful design. We saw many more bonfires. Butterflies were fitting and the birds were singing as we went to bed that morning.

We couldn't get up until late next day. For dinner we ate roast chicken, mashed potatoes, sliced cucumbers, lettuce with a whipped cream-boiled egg dressing and ice cream. At 3:30 we all boated to the island where Mr. Tiitola's 7 brothers and 2 sisters live during the summer. During the afternoon there was a tennis-playing contest with a sil-

ver trophy. Since they are all athletic it was a good contest. Later the many children had potato races, wheelbarrow races and other competitions. The parents also enjoyed the playing.

People Were Like Americans

The people were very much like Americans. Some of Mr. Tiitola's brothers are engineers, some factory managers, one is an army officer, another a gym teacher, and another is a judge.

Early in the afternoon we had coffee with cookies, jelly roll, and gingerbread and butter cakes. At 9 p. m. we had a variety of breads with good butter, and ham, sliced cucumbers, or sliced boiled egg on top. Milk and sugared pancakes were dessert.

One evening we went to a cousin's birthday celebration. Each family took the 22-year-old boy a bouquet of flowers. Whenever Finns come to a party they shake hands with everyone and greet each other, saying "piavaa." Children always click their heels and bow when shaking hands. We had coffee-cake and cookies. The evening was spent visiting.

(Continued on Page 23)

ONE Diesel—and one alone—blazed a trail which has won world-wide recognition for the oil-burning engine as the most economical source of smooth, dependable, agile power for locomotives, trucks, buses, marine and other mobile uses.

It is the General Motors Diesel engine, one size of which now drives most of America's crack passenger and freight trains. Another powers many of the Navy's submarines and other vessels.

And a third—the GM Series 71 engine—is the most widely used of all, totaling 46,000,000 horsepower. *It has surmounted the exacting conditions of war and met the economic requirements of peace.* It has brought the same efficiency to a wide range of jobs, including many where

Diesel power was never usable before.

That is because the "71," like all GM Diesels, is a two-cycle engine. Two-cycle means it produces power with every piston downstroke—in contrast to most other Diesels that generate power only on every second downstroke.

Equally important, GM Diesels have a direct jet-injection system that feeds fuel to cylinders in exactly metered charges—insuring better combustion and eliminating troublesome high-pressure fuel lines.

These basic differences make GM Diesels far more compact and much lighter than other Diesels of equal horsepower—without sacrificing ruggedness. These engines accelerate faster, are un-

Need More Leaders

We get so much help from your papers and welcome so much the explanation about government procedure and comments as given by Mr. Capper and others of your staff. Politics are a side line with us out here in the rural districts, and there is so much work to do one does not have time to follow long, tedious details, but our votes count and we should know more about whom and what we vote for. Wish we had more leaders like Mr. Capper, Mr. Hoover, Eisenhower, MacArthur.

—Earl R. Clemans, Savonburg.

My 21st birthday occurred while here at the Tiitolas. That day when I came to breakfast the English speakers shook my hand and said, "Many happy returns." We had special cookies, a jelly roll made with apple marmalade, and doughnuts with our coffee that afternoon. The parents then shook my hand and wished me well, in Finnish.

I was invited to visit the Tammissalos, Mr. Tiitola's sister's family, one evening. Soon after we arrived we had coffee, a jelly roll of chocolate cake and whipped cream and delicious but small cinnamon cookies. Later we enjoyed a good hot sauna, then watched the setting sun tint the lake with beautiful pastel colors. Evening sandwiches and tea were served by candlelight. These open-faced sandwiches were also small and they tasted as good as they looked. One type was made from a tomato paste and decorated with a piece of raw cauliflower and bits of green dill. The liver sandwiches were topped by a slice of curled cucumber. The tea was very good.

Yes, I am treated very well, and am having many unforgettable and wonderful experiences.

—H. Dale Johnson.

Ivan Goes to Germany

Harvesting Wheat and Plowing Are Different Over Here; Labor Is Cheap, Machinery Difficult to Replace

DEAR MR. GILKESON: I am writing this letter from Stuttgart, Germany. I changed farms last week as my 4-week stay in Bavaria came to a close. There are a few more things to tell about the Bavarian farm. During the last week of my stay we began threshing wheat, which turned out to be quite a process. The threshing machine was pulled up to the barn where the wheat had been stacked to prevent spoilage by rains. Next a large electric motor was pulled into place, and then a baler was placed at the rear of the threshing machine. The straw went directly from the threshing machine into the balers. As the wheat came out of the machine it was sacked, placed in a trailer and hauled to the place of storage. About 15 people were needed to carry on the wheat threshing. Naturally, next job following wheat

harvest is plowing. One tractor plow and 3 walking plows were used. The tractor plow, a 5-bottom plow, with 8-inch shares, was somewhat different from ours. One man had to ride the plow as it was equipped with a steering wheel and only a hand-lever lift.

It seems even on modern farms they cannot forget the old methods of the past. I believe one reason is that labor is very cheap. A man can always be replaced but it costs a great deal to replace a machine.

I also helped put up alfalfa hay which is not too commonly grown in Germany. The alfalfa was mowed with a tractor mower and raked with an ordinary dump rake. After the mowing and raking then came the hand labor again. Racks made of poles which resemble an ordinary stepladder were hauled out into the field and stood up, then work-



Ivan W. Schmedemann

You remember Kansas Farmer promised to bring you letters from our 3 Kansas 4-H'ers who are spending some time on European farms this summer. Here is the fourth one from Ivan W. Schmedemann, Junction City, written from Stuttgart, Germany.

ers came out and stacked hay on the racks for drying. After the hay was dry it was pitched onto wagons and hauled into the barns and pitched off. While hay was being hauled from the field, the field was being re-raked so no hay remained.

Perhaps some of you are interested in the food I have been eating and the number of meals I eat in a day. On the farm in Bavaria I ate 4 meals a day—8 a. m., 12 p. m., 4 p. m., 7 p. m. The food was very good. In the morning we had bread, jellies, wurst and coffee. At noon we always had soup, and the regular meal, a meal like most farmers in Kansas eat. The afternoon snack was just like the morning meal, and at night we had a regular meal made up of foods like pork, potatoes, tomatoes, green beans and some German food that I am not familiar with.

One thing very different over here is they seldom drink water, and water is never offered with a meal. If a liquid is offered it is coffee, milk, beer, tea or cider. I believe it is a common fact Europeans do not drink much water, and if they do it is because there is no other liquid available.

Youth Organization Meeting

I had my first contact with a youth organization August 15, when the 3 of us on the IFYE project went to Degandorf, an old city celebrating its 1200th anniversary. As we entered the meeting place I noticed nearly all of the youth were drinking beer. I could hardly imagine a 4-H gathering at home serving beer for refreshments.

As the rally proceeded Bavarian dances were given by the young people from different sections. Some of the dances resembled our square dances, while others were very much like Indian dances, all being very colorful. Between each dance a very long speech was given, which could not have been very interesting for the young people.

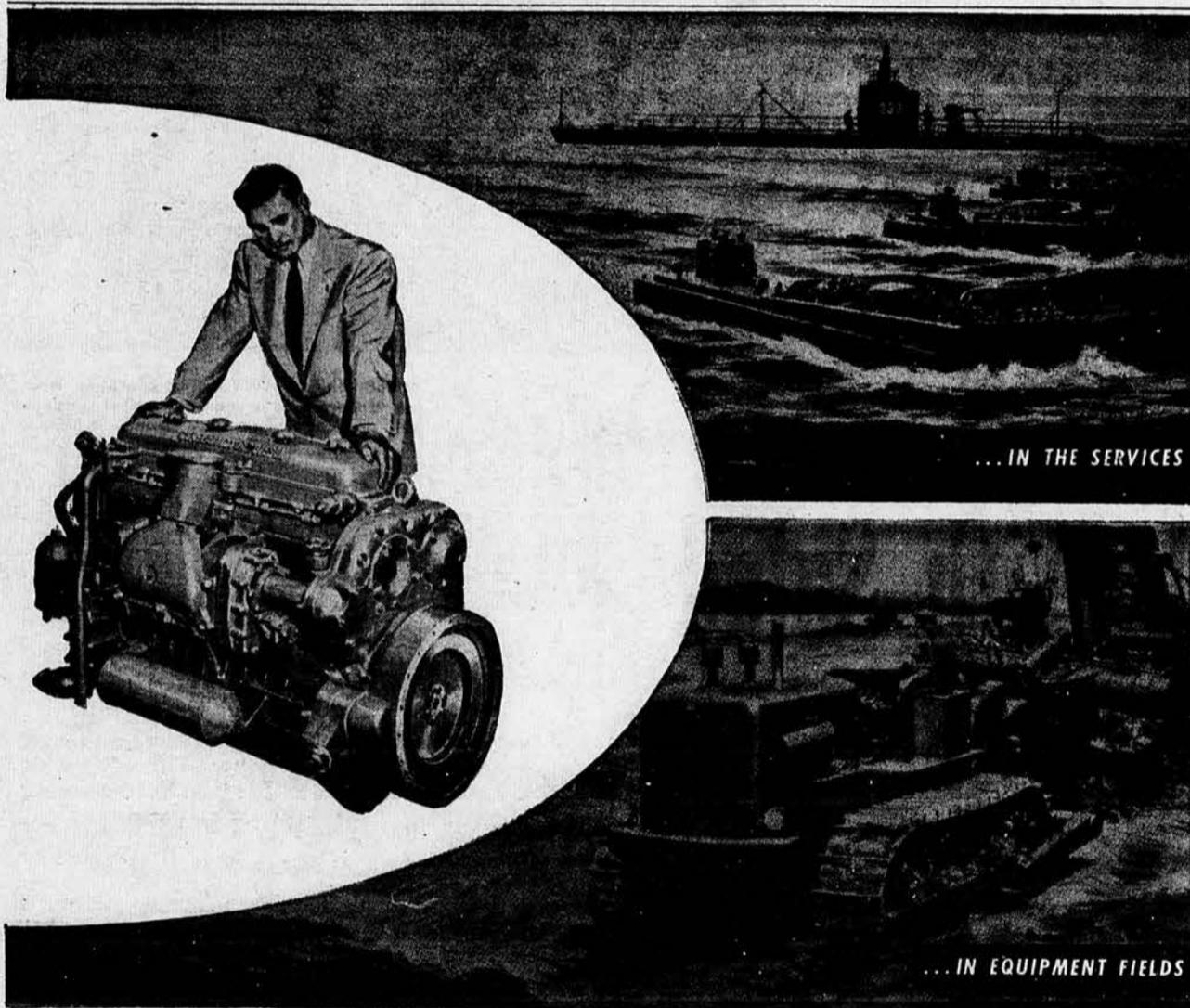
The Extension Service showed a series of 4-H Club slides, proving interesting for the group. After the pictures had been shown the youth asked us many questions about 4-H Clubs. It is disappointing when they say they can never carry projects such as baby beef and crops because their parents will not consent and because their farms are too small.

Around Stuttgart the agriculture and topography are different from that of Bavaria. Farms are smaller with fields scattered thruout the countryside. Such crops as wheat, apples, oats, corn, barley, onions, sugar and field beets are grown.

The other day we loaded about 800 pounds of onions into a trailer and hauled them to 2 small villages to sell. We just drove the tractor to the center of the village and sold to the workers as they returned from work. We sold quantities from 1 pound up to 150.

Many farms and villages have harvest festivals. I arrived a few days before the festival on this farm. Workers were all preparing for the festival, cooks preparing food and the wives were cleaning the house. The owner hired a 2-piece band made up of an accordion and drum.

—Ivan W. Schmedemann.



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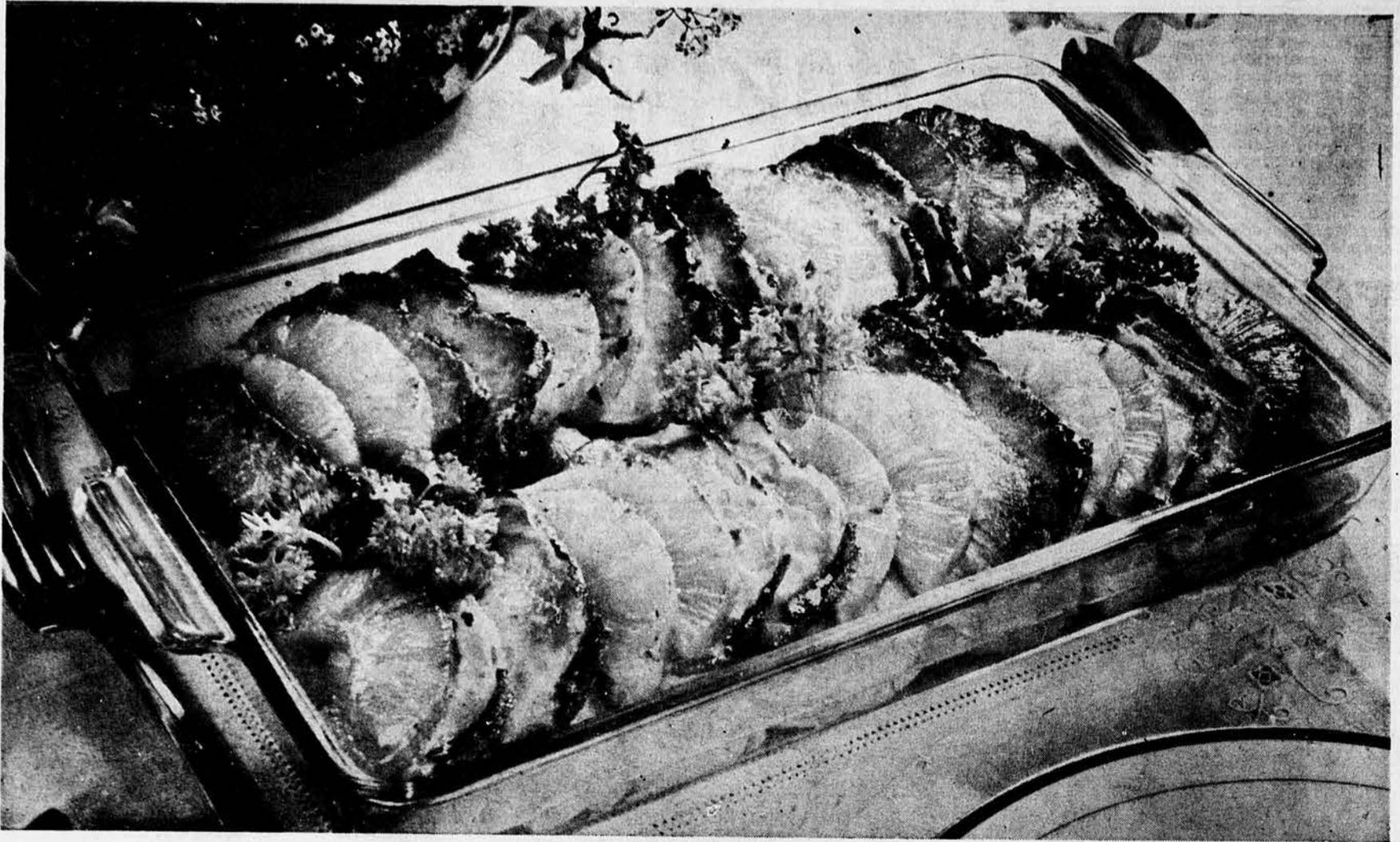
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THREE-WAY CASSEROLE: Something new and different in a combination of pineapple, sweet potatoes and Canadian bacon.

For Simple Meal . . . Try

Main Dish With Salad

By Florence McKinney

ANY TIME is time for a main dish and salad. It goes well for party fare as well as for the family. Some of the pretty and super-tasting dishes are those combining meat and vegetables or meat and fruit.

Flavorwise, baked bean casserole may turn out to be a family favorite. Use fresh, frozen or dry limas. If fresh or frozen, cook in boiling salted water until almost tender before turning into the casserole.

Saturday Special

Lima Bean Casserole
Peach Cup Salad Hot Biscuits
Milk Strawberry Jam

Baked Lima Beans

2 cups dry lima beans	1/4 teaspoon pepper
2 quarts water	2 teaspoons dry mustard
1 teaspoon salt	1 tablespoon brown sugar
bacon or salt pork chunks	1 medium onion, chopped
1 1/2 cups cooking liquid	bacon strips
1/2 teaspoon Accent	
1 teaspoon salt	

Wash lima beans and soak in water about 4 hours. Add salt and bacon or salt pork chunk. Cook uncovered at moderate boil until tender which will take about 1 hour. Drain liquid from beans, saving 1 1/2 cups. In the casserole, combine the cooking liquid with the Accent, salt, pepper, mustard, brown sugar and chopped onion. Add cooked beans and mix. Top with bacon strips and bake in a moderate oven (350° F.) until bacon is browned, about 1 1/2 hours. Makes 6 to 8 servings.

LIMA BEANS WITH FLAVOR: In a casserole lima beans may be flavored with mustard and onion.

Peach Cup Salad

6 halves canned peaches	1/4 cup seedless raisins
1/2 pkg. cream cheese	sprinkling chopped nuts
1/4 cup chopped celery	2 or 3 maraschino cherries, chopped

Mix all ingredients together except the peaches. Arrange lettuce cups on individual

salad plates or one large salad plate. Put a half peach on each leaf, cut side up. Fill cavity with the mixture and add a little mild salad dressing if desired.

The Garden Supper

A supper dish a bit unusual, homey, yet quick to prepare is this [Continued on Page 26]



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Notes From The Parade of Fairs

JUDGES of 4-H Club demonstrations at the Kansas Free Fair, Vera Ellithorpe and J. H. Coolidge, reported they were judging about 60 demonstrations this year, more than previous years. "On the whole techniques have improved and in food preparation standard measurements are the rule," says Miss Ellithorpe.

The young folks singly and in teams went thru their performances like veterans, showing precision, skill and intelligence in answering difficult questions by the judges. Club work undoubtedly has improved over the years.

We dropped in when Judy Sorter, of Wyandotte county, was beginning her demonstration on assembling a lamp

for her bedroom. A bottle she found in the basement, a shade and a few small fixtures she found at the dime stores and Judy had all the parts needed. She went thru the process with clarity, inspiring her audience to go home and do likewise.

Judy lives on a farm near Bethel and is a member of the Advance 4-H Club. Right now she is president of the 34-member club and enrolled in 8 projects, both agriculture and home economics. Mrs. Gene Roop is girls' leader and William Bradley boys' leader for the young folks.

At the State Fair in Hutchinson, we got acquainted with Caroll Crowgey, of Wytheville, Va., who came to Kansas

on a visit and decided to stay and become a home demonstration agent. She is now working in Johnson county. In comparing Virginia with Kansas she feels the latter is a land of opportunity for young folks.

There were 1,640 entries in 4-H Club clothing classes this year at the State Fair. Foods entries also increased considerably.

There were so many 4-H demonstration teams scheduled at the State Fair 2 sets of judges were obtained and they worked separately and simultaneously. On Friday afternoon they met together and rated all the blue-ribbon winners. Margaret K. Burtis and John Coolidge, Mrs. Vivian Briggs and H. C. Love of the Extension service at Manhattan spent the week watching, comparing, asking questions and judging a total of 145 demonstrations.

We saw Dorothy Moore of the 101 Go-Getters 4-H Club, Labette county, demonstrate preparation of a complete meal made largely from dairy products.

Joyce Pults, of Brown county, was given a blue ribbon on her demonstration, "Biscuits Are Fun." Joyce is a member of the Willis All Star Club.

Judges reported that Joanne Sharpe and Jeanette Stutz of the Shining Star 4-H Club in Atchison county gave an outstanding demonstration on "Tricks With Scarves."

Miss Burtis commented there had been a landslide of demonstrations on use of homemade mixes, everything that could be baked, muffins, cakes, cookies, waffles and the rest.

Loy Laird, of Ellsworth county, gave a good demonstration on how to make

Curtains and Draperies

A new bulletin on the making of curtains and draperies has been prepared by Kansas State College, entitled "Window Treatment."

This bulletin may be secured free by writing the Farm Service Editor, Kansas Farmer, Topeka. Ask for a copy of "Window Treatment."

a bulletin board for the kitchen. From the Richland Rustlers Club, of Pratt county, Elaine Lunt and Naomi Stadel showed the audience "How to Use a Quart of Milk a Day."

An unusual demonstration was the one by Nina Kirkendall and Geoa Zeigler, of the Natoma Rustlers of Osborne county. The girls started out with a gunny sack and ended with an attractive shopping bag.

Mrs. Wilbur Regier, of Buhler, won the blue ribbon for the Governor's Cookie Jar, and presented Governor Frank Carlson with it in the grandstand at an afternoon show. She filled a large glass jar with a variety of cookies and decorated it with pictures of the state Capitol, a meadow lark, the state seal and the sunflower and tied it with a string of Kansas wheat. She won over 10 other contestants.

The blue ribbon and sweepstakes on angel food cake went to Mrs. C. B. Vesecky, of Timkin. Mrs. J. R. Glass, of Route 1, Hutchinson, entered 8 cakes and won blue ribbons on banana bread, chocolate loaf cake and coconut layer cake. She won the sweepstakes in the butter cake class with her coconut cake.

H. D. Booths Awarded Ribbons

HOME Demonstration club women in Anderson county won the blue ribbon at the Kansas Free Fair on a booth with the slogan, "Why Not Do Your Own Refinishing?" Three hundred fifty club women learned how to refinish their furniture during the past year. There were 4 chairs in various stages of the process, original, repaired, sanded and completely refinished.

Women in Linn county won the red ribbon with a display illustrating the same work. It included a display of all the equipment and supplies needed.

Nemaha county women won the white ribbon for a living-room reading center planned with a color scheme planned around a picture hung just above a large comfortable chair. There were

red roses in the picture, wine red draperies on the window and a red trim on the lamp and shade.

Fourth prize went to Wabaunsee county women for a booth entitled, "Are You Getting What You Want Out of Life?" It encouraged Balanced Farming as applied by keeping records, planning recreation, remodeling buildings, building a safe and modern water supply, a plan for good food storage and a landscaping plan.

Johnson county was awarded the yellow ribbon by a booth illustrating the modern, recommended method of washing dishes entitled, "Do You Want to Save Time?" Posters illustrated the method of eliminating the dish towel, by using a dish drainer.

Main Dish With Salad

(Continued from Page 24)

this garden 1-dish meal. Chopped beef is excellent to add its good flavor and here it's combined with peas and potatoes.

2 cups peas	1 cup dried chipped
4 tablespoons butter	beef
4 tablespoons flour	6 baked or boiled
1 cup milk	potatoes

Drain cooked or canned peas, measure 1 cup cooking liquid. Melt butter, add flour and stir until well blended. Add milk and liquid from peas and cook until mixture thickens, stirring constantly. Cut beef into small pieces. When ready to serve, add peas and beef, then heat. Open potatoes by cutting cross over the top and pressing from the bottom. Salt potatoes. Pour sauce over opened potatoes. Potatoes boiled in their jackets may be substituted for baked potatoes.

Casserole Supper

This one combines tomatoes, rice and meat, either beef or pork, whatever you may have in the refrigerator.

cooked rice	¼ cup soft bread
2 cups cooked meat,	crumbs
chopped or	1 teaspoon lemon
ground	juice
¼ teaspoon celery	1 egg, slightly
salt	beaten
few drops onion	1 teaspoon salt
juice	dash pepper
1 tablespoon green	tomatoes to
pepper, chopped	moisten

Line an oiled casserole with a 1-inch

layer of cooked rice. Combine all remaining ingredients and spread over the rice layer. Cover with layer of rice. Bake 20 minutes in a moderate oven (350° F.). Serve hot with tomato sauce or tomato soup. For a variation use seasoned mashed potatoes instead of rice.

Three-Way Casserole

A combination of fruit, meat and a vegetable all adds up to something new and different. Here it is with pineapple, sweet potatoes and Canadian bacon.

2 tablespoons	2 tablespoons
butter, melted	butter
¾ cup brown sugar	¼ pound sliced
7 or 8 sweet potato	Canadian bacon
halves, cooked	1 No. 2 can pine-
¼ teaspoon salt	apple slices
	¼ cup pineapple juice

Butter your best casserole, cover with brown sugar and place cooked sweet potato slices in rows. Sprinkle with salt. Arrange bacon and pineapple half-slices over the top. Pour pineapple juice over all and top with bits of butter. Bake in moderate oven (325° F.) for 45 minutes or until sweet potatoes are candied and bacon is browned.

With the Three-Way Casserole we suggest an all-vegetable tossed salad, lettuce, green onion, bits of spinach leaves and water cress. Toss lightly with French or Italian dressing. Served with a French bread and a hot or cold drink and the menu passes for party fare.

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Extra
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Fall Pattern Plan



9050
SIZES
2-10

4874
SIZES
6-14

4874—Grown-up fashion with panels in gored skirt. Girl's sizes 6 to 14. Size 10 takes 1 1/2 yards; 1 1/2 yards contrasting 35-inch material.

9050—Two dresses in one pattern, both with mock bolero. Sizes 2 to 10. Size 6 takes 2 yards; 1/2 yard contrast of 35-inch plaid material.

4736—Dress with Parisian air. Has plunge collar and cuffed pockets. Sizes 12 to 20 and size 40. Size 16 takes 4 1/2 yards of 39-inch material.

9388—Slenderizing frock with button detail on one shoulder. Sizes 34 to 48. Size 36 takes 3 1/2 yards of 39-inch material.

4736
SIZES
12-20
40



4647
SIZES
34-48

9388
SIZES
34-48



9481
SIZES
11-17

4855
SIZES
12-20
30-42

4647—Slimming dress with buttoned pockets and scalloped collar. Sizes 34 to 48. Size 36 takes 4 1/2 yards; 1/2 yard contrasting 35-inch material.

9481—Add threesome to separates. Jr. Miss sizes 11 to 17. Size 13 weskit, 3/4 yard 54-inch; skirt takes 1 3/4 yards 54-inch; blouse 2 yards of 39-inch material.

4855—Young classic with postman pockets. Sizes 12 to 20 and 30 to 42. Size 16 requires 4 1/2 yards of 39-inch material.

Send 25 cents for each pattern to Fashion Editor, Kansas Farmer, Topeka. Send 20 cents more for the new Fall Pattern Book with a free pattern printed in the book.

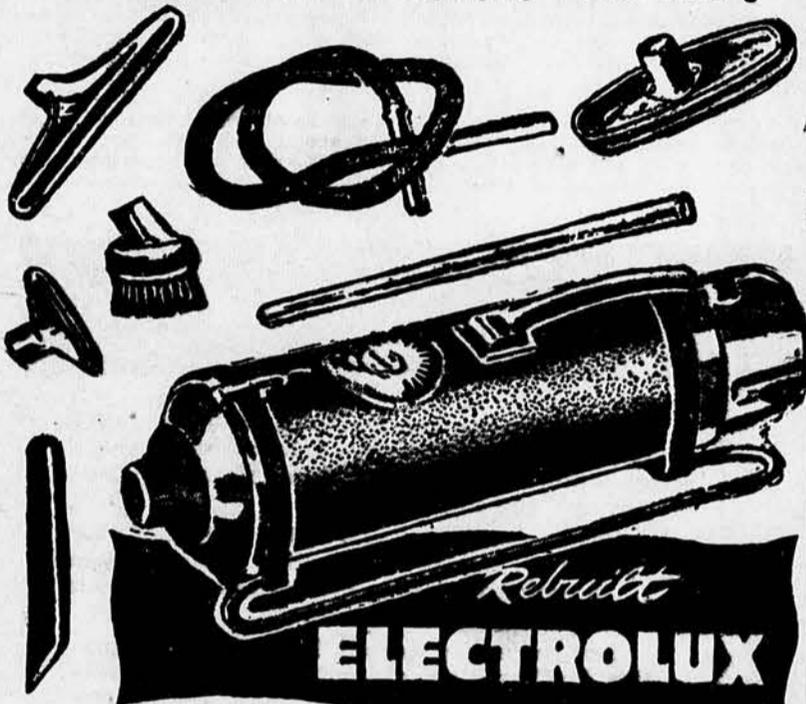


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- 806 S. Santa Fe Salina, Ks.
- 1108 Van Buren Topeka, Ks.
- 2001 1/2 S. Broadway Wichita, Ks.
- 1220 Spruce Coffeyville, Ks.

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Address.....
City..... State.....
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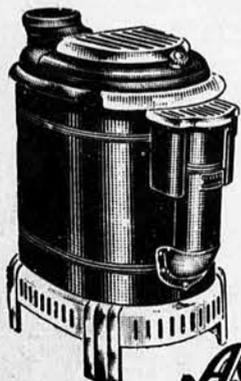
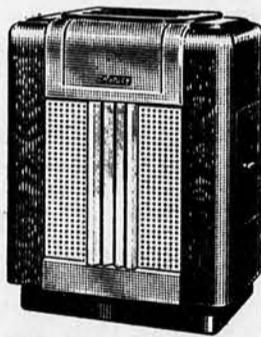
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They Win Firsts at Fair



PRETTY, red-haired Helen Morris, of Coldwater in Comanche county, smiled into the camera when picture-taking time arrived just after she was awarded the state winner ribbon in the annual dress revue at the State Fair. With her posed the best-groomed boy, Dwight Flora, of Abilene, Dickinson county.

Helen made her complete outfit of 4 pieces, a one-piece navy blue Botany wool crepe, a blue and white checked wool separate skirt, a 3-corner scarf and short-fitted jacket of the same material. With it she wore a tiny navy hat, red leather box bag, red leather pumps and white cotton gloves.

By winning the award Helen will go as a delegate to the national 4-H Club Congress to be held in Chicago in November. Dwight wore a double-breasted gray-brown suit with a blue pin stripe, a multi-colored tie, gray felt hat, blue-

gray socks, a white shirt and red-brown Scotch grain shoes.

For 2 hours preceding giving of awards, all 4-H Club folks who had clothing entries modeled them in the auditorium before a large audience. "Clothes Around the Year," was the theme and beginning with January, the young people emerged from the wings and gave the audience a good look at their clothing. Young men in latest type suits and hats, girls in dresses and suits which they made themselves made an impression on their guests.

There was a Valentine party in February, an Easter party in April, in June they wore clothes suitable for church going. In June girls and boys wore graduation dresses and suits. September sported school clothes, November outfits for the football games, December a Christmas party, a fine show of clothing and young folks.

Train in Judging



LEARNING TO KNOW good home products when they see them is part of the program for 4-H club members. Four members at the State Fair study home-canned foods carefully before rating them. Left to right around table are: Aurellia Grose, Nemaha county; Evelyn Blomquist, Saline county; Rosa Larson, Cloud county; Lorna Sanford, Butler county.

Kansas Women to Copenhagen See United Nations En Route

EIGHTEEN Kansas farm women and Extension workers went to Copenhagen, Denmark, to attend the conference of the Associated Country Women of the World. Georgiana Smurthwaite, state home demonstration leader, Kansas State College, writes from aboard ship on the Atlantic:

Dear Editor: Each day brings a new experience to those of us on our way to the Copenhagen conference which opens September 11. For some of us, the event began with the first long train ride and for most the first ocean voyage.

Messages and flowers greeted us as we went to our cabins on the U. S. Liner Washington, assuring us that families and friends were wishing us bon voyage. As the gangplanks were lifted we waved to friends from the ships rail and as the boat moved away heard the strains of the ship's orchestra playing "Anchors Aweigh," followed by "Don't Give Up the Ship" and "Auld Lang Syne."

As the liner passed out of the harbor, the click of cameras was heard all round, as one after another took pictures of points of interest in the harbor, particularly the Statue of Liberty.

As I write this letter, we are nearing the Irish coast. The first stop in the morning will be at Cobh, the second at Le Horne, then to Southampton where most of us will leave the boat.

The sailing has been smooth most of the way, but yesterday a cold gale came down from Greenland and the going was rough. Suits are right for the temperature but coats are added at night. We had one warm day when we crossed the Gulf stream. Summer dresses were in order that day.

Our liner was a luxury boat before World War II. It was used for troop transportation during the war, carrying 8,000 men. Today it is reconverted into a passenger boat with accommodations for about 1,100.

The 200 rural women from 33 states going from the United States to the conference have quarters on different decks, but we eat in the "after" dining room in a group. Life on board is strenuous, including group meetings and committee work during the day and a variety of activities for the evening's enjoyment. Midnight comes too soon.

The ship's orchestra plays each afternoon as tea is served and in the evening for the dancers. There are picture shows both afternoon and evening, with cards and other games to suit the many tastes.

Meetings are held on board ship to brief us on the business to come before the conference and what to do when we go thru customs. We appreciate the opportunity to prepare ourselves for this great international meeting.

Before we left New York, 3 bus loads of us went to Lake Success to see the various organizations of the United Nations in meeting. Too, we saw the new United Nations building on Manhattan near the East River. At Lake Success we met in one of the committee rooms and heard 3 speakers, one on the United Nations, one on FAO and one about governmental organizations. One speaker said, "Unless the people of the world are informed, the aims and objectives of the organization cannot be fulfilled. This is the first time in human history the problems of humanity can be handled in an international way."

Another speaker described the United Nations as a "political clinic to which the troubles of the world can be brought to get political help."

—By Georgiana Smurthwaite.

Editor's Note: Ida Hildibrand, home demonstration agent of McPherson county, will write from Brussels for the next issue of *Kansas Farmer*.

Halloween Leaflets

Witch's Party, price 3c.
Hilarious Halloween Party, price 3c.

High Points in Palmistry, price 5c.
It isn't too late to order one or all of these leaflets. They will help you with suggestions for that Halloween party you are planning. Each leaflet is cleverly illustrated. Your order will be given prompt attention. Please address Entertainment Editor, *Kansas Farmer*, Topeka.

Indoor Dryer A Kansas Product

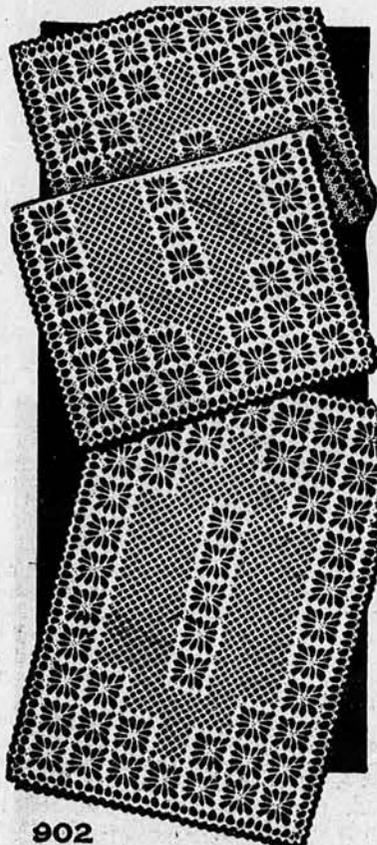


A new indoor clothes dryer is designed for several uses. It folds like an umbrella and is portable. For girls away at school it's perfect. It serves as a rack for baby's clothes and diapers, is useful for hanging clothes as they come from the ironing board, will stand in the bath tub. It's made in Kansas by the Phillips Manufacturing Company, of Wichita. Two sizes, the standard Dryette for \$3.95 and the Master Dryette for \$6.95. Both are available at local stores or from the company.

Sweet Potato Recipes

A new leaflet called "Sweet Potato Recipes" has just been prepared by the Bureau of Home Economics and is now available to homemakers. It contains the latest approved methods of cooking and 20 recipes with several variations. We will be glad to send you this leaflet free. Send your order to the Farm Service Editor, *Kansas Farmer*, Topeka.

In Color or White



902

All the spider-web crochet pieces you need, any size, from mats to scarves. Use No. 30 cotton or string in white or color. Pattern 902 with crochet directions.

Send 20 cents for pattern to the Needlework Editor, *Kansas Farmer*, Topeka. Send 20 cents more for the Needlework Catalog with a free pattern printed in the catalog.

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(KF-10-50)

Coming to Kansas

BY HARVEST time next year some Kansas community will have a plant to manufacture the new miracle insecticide "Pyrenone," that kills bugs but doesn't harm humans. The plant will be built by U. S. Industrial Chemicals Inc., of Baltimore, it was announced in Topeka by the company's president, William P. Marsh, Jr. This is a privately-owned organization.

The reason for locating the plant in Kansas is that ground wheat is used as a carrier for one kind of Pyrenone—the kind that kills bugs attacking stored wheat. Clay is used as a carrier for Pyrenone used for other grains.

Altho farmers are mainly interested in use of Pyrenone for treating stored grains on the farm, the company president said the new insecticide will be able to protect food from bugs all the way from processor to consumer.

Marketing Viewpoint

By Leonard W. Schruben, Feed Grains; Paul L. Kelly, Dairy Products; Joe W. Koudele, Poultry and Eggs; Harold M. Riley, Livestock.

We have 1,088 bushels of wheat in storage in Harper county. Is it advisable to take the Government loan or sell the wheat outright when the price is a little better?—N. O.

If I had wheat in storage and was eligible for a loan, I would not sell for less than the loan rate this year, especially if the wheat is in commercial storage with someone else definitely responsible for maintaining quality of the wheat. Next year government regulations for storage will change, but it does not affect the 1950 crop.

Present indications are wheat prices will advance above the loan rate before next harvest—but not too much above. In some areas last year, wheat sold for as much as 15 cents to 20 cents above the loan rate and this experience may be repeated this year. Over the last 12 years, wheat has been lowest in either July or August, and if this holds true this year we can expect some improvement as the season progresses.

Will farm cream prices advance much this fall?—P. D.

Some slight increase may be expected in farm cream prices. Fresh cream prices recently have shown some advances as eastern markets have been forced to buy in the Midwest. Sour cream prices probably will not advance as much seasonally as fluid milk prices. Many manufactured dairy products have shown some firmness in recent weeks which will have some steadying effects on cream prices.

Is the Government going to support egg prices in 1951?—M. S.

No authoritative information is available at this time to indicate the Government's plans. Officials of Poultry Branch, USDA, have refrained from discussing the matter by simply pointing to provisions of the Agricultural Act of 1949, as amended. In this act there are 8 conditions which shall govern the discretionary action of the Secretary of Agriculture in regard to eggs and poultry.

Several factors bear consideration at this time. An obstacle to continuation of the egg price support program is the large stockpile of dried eggs already acquired for which there is no ready outlet. A large amount of money has been invested in these stocks. The present type of program for supporting eggs apparently has not been too acceptable to the poultry industry.

On the other hand, USDA already has declared it will support prices of principal feed grains in 1951 and on that basis it is not likely eggs will be denied government support. Furthermore, it is probable the dairy industry will obtain price supports in 1951 which strengthens the possibility eggs also will be supported.

What is the latest information on price controls on cattle? Is it likely prices would be rolled back much?—C. M.

There are reasons to believe price controls on livestock will not be imposed right away altho Congress has passed legislation making it possible. The relatively large supplies of beef and pork to be marketed this fall probably will serve as a check on rising meat prices even tho inflationary pres-

ures exist. It also is argued that any rigid system of price controls will be postponed until after the November election for political reasons.

Since meat accounts for about one fourth of the average consumer's food bill, any significant rise in the general level of meat prices would stimulate organized consumer groups to request price ceilings. Recently, average retail meat prices have held about steady after declining slightly from the peak reached during July.

Available information indicates that should ceilings be imposed, cattle prices would not be set at less than the price which prevailed during the May 24-June 24 period of this year. This would involve practically no roll-back since top prices of good grade slaughter steers at Kansas City averaged \$30.70 during the May-June period. This compares with \$32 quoted for the same grade on September 25.

There is little to indicate what the price differentials between grades of slaughter cattle might be if ceilings are established. Some industry representatives have been talking up the price relationships which prevailed in the May-June period. At that time choice slaughter steers were quoted at \$32.30 at Kansas City while top common steers were quoted at \$25.

Unpleasant experiences of some processors and farmers in regard to meat price controls and rationing in the last war have encouraged certain organized producer and marketing groups to plan opposition to use of controls in the present situation.

No Stopping

(Continued from Page 1)

we have about as many parents as we do members," she says.

"Parent interest certainly is the key to a successful 4-H Club," says Floyd A. Bacon, Butler county 4-H Club agent. "Parents of members of the Cole Creek Chums encourage their children all the way. That means they take on more projects and get them completed."

Parent interest certainly was evident when the club held this year's project tour. Eighty young people and adults visited a selected list of club members' homes to view progress being made on club projects, and to hear those members explain how they are handling their projects. "We had 90 on our tour last year," says Mrs. Homer Milburn, adult leader for girls.

Have Adult Co-operation

At noon on tour day the women took huge baskets of food out of car trunks and everybody trooped into the schoolhouse for a potluck lunch. Men of the group previously had arranged for plenty of cold drinks to supply the crowd.

During the noon social hour parents and children discussed projects they had visited during the morning. More stops were scheduled for the afternoon tour. "It's hard to stop a club that has such wholehearted co-operation," says Club Agent Bacon.

Tip on Paint Remover

I have found liquid paint remover works best if a thick, even coat is applied and then let stand. Simplest way to do this is to use a hand-operated insect sprayer in applying the remover. Protect adjacent surfaces with newspapers.—Mrs. J. H.

Producing hybrid chicks already is . . .

A Giant Industry

By CORDELL TINDALL

ALTHO hybrid chicks still are relatively new, the business of producing hybrid chicks already is a giant industry. This summer we visited one of the largest producers of hybrid chicks in the nation—the DeKalb Agricultural Association, Inc. We saw their largest poultry farm which is at Illiopolis, Ill., at the site of a war-time ordnance plant. Previously we had seen their research plant at DeKalb, Ill.

Here are some of the things we saw at Illiopolis:

A 1,300-acre farm devoted to research and foundation work in poultry.

A war plant of 103 buildings converted from "bullet making" to "pullet making."

Houses that would hold 12,000 birds each.

A total of 310,000 birds on one farm (we didn't see them all).

Mechanical feeders and circulating water systems.

Mechanized handling of all feed.

Egg cooling rooms maintained at 55 degrees for summer marketing.

Egg grading and sorting rooms.

Other Chick Producers

Even with this gigantic poultry plant in operation it would be impossible for the DeKalb Company to produce all the hybrid chicks they sell on their farms, Tom Roberts, general manager of DeKalb, reports. Co-operating hatcheries will produce a big share of the chicks sold to poultrymen.

Size of this operation calls for some special poultry keeping techniques. Housekeeping is a major item. Cobs are used for litter and they are brought in by truck, blown into the buildings with blowers, and spread with small tractors. When houses are ready to be

cleaned—once a year—power loaders are used to load the litter into wagons.

Stir Litter Often

Litter is stirred often to prevent dampness, and this is done with small tractors and garden tractors which push big rake teeth thru the litter.

A special machine is used to clean and sort the nesting material, a chalk-like substance. The nesting material is used over and over after being cleaned.

The big laying houses have been made from warehouses with a second story added inside. The buildings are 50 feet wide and 436 feet long. Droppings pits are used in these giant houses.

What's this all about anyway? Why such a big plant? The entire operation is aimed at finding a better chicken. First, the company must produce and increase inbred lines, literally hundreds of them. Next, they must cross their inbred lines. After the single cross comes double crosses. The DeKalb company has 205 pens of 50 birds in a pen, all experimental double-crosses. They hope to find one or two new varieties from all these crosses that will be good enough to offer to the public.

Poultry House Needs Plenty of Air

Poultry houses need plenty of fresh air to carry away excess moisture. Leo T. Wendling, Kansas State College Extension engineer, says for laying houses 20 feet wide or more, it is well to plan an open front area equal to 10 per cent of the laying-house floor area. This open front area may be covered with cloth during bad weather, but otherwise leave it open. Slatted windows in the gable ends make excellent exhaust flues for this ventilating system. A straw-loft above head height will aid in controlling drafts and insulating the poultry house.

Support Price Set for Soybean Crop

The national average support price for the 1950 soybean crop has been set at \$2.06 a bushel, according to a recent announcement by the U. S. Department of Agriculture. The figure, also applicable to Kansas, is based on 80 per cent of the September 1 parity price. It compares with a national average support price of \$2.11 a bushel

The Farm Dog

Few people have ever really paid much attention to the farm dog. This is unfortunate because farm dogs perform many helpful jobs. A recently published book, "Purina Farm Dog Book," is a worthwhile contribution toward better dogs for farmers. It presents a basic plan for training farm dogs and some suggestions on how dogs can be used profitably; also pointers on selecting the right dogs for the tasks to be done. Copies of this booklet may be obtained from your local Purina dealer at a very reasonable cost. Tell your dealer you read about the dog book in Kansas Farmer.

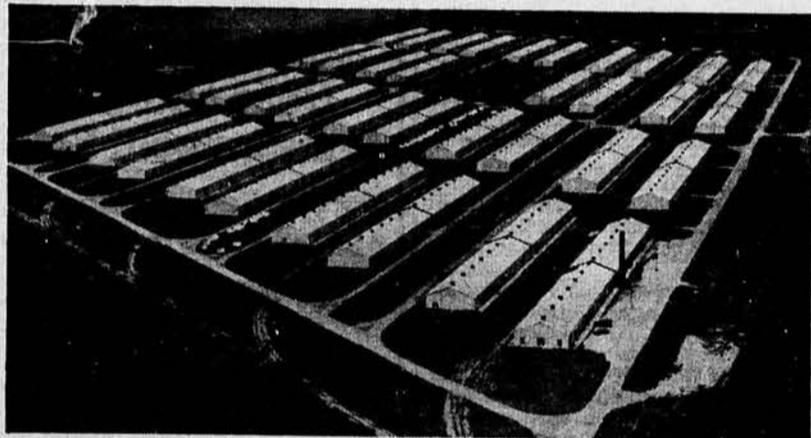
on the 1949 crop. To be eligible for support, the soybeans must grade No. 4 or better, and contain not more than 14 per cent moisture. The state PMA office announces that loans and purchase agreements will be available on the crop from the time of harvest thru January 31, 1951. Visit your county PMA office for more details.

Record Crop of Soybeans Is Seen

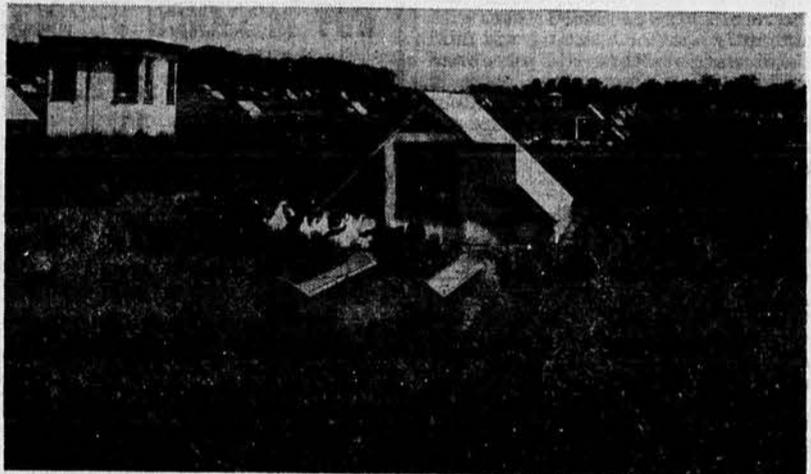
A record crop of 270.7 million bushels of soybeans will be produced this year in the United States, prophesies the U. S. Department of Agriculture. This is 48.4 million bushels above the 1949 crop and 47.7 million bushels higher than the 1948 record crop. Soybean acreage for 1950 harvest is estimated at about 12,937,000 acres, an increase of 30.5 per cent over last year. This year's bumper crop is due almost entirely to increased plantings, since the indicated yield of 20.9 bushels is 1.5 bushels below the 1949 record yield. The 10-year average yield is 18.8 bushels per acre.

Homemade Decals

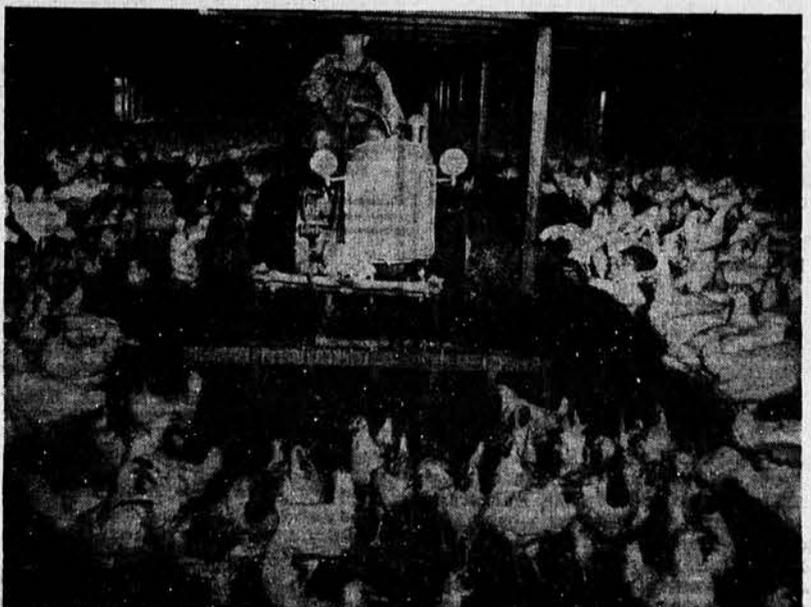
When papering the kitchen and I need new decals for cupboard doors, I cut out designs from scraps of left-over wallpaper like that used in the room, and paste the "decals" in place. Then I give them a coat of clear nail polish. They will be easy to clean.—M. O.



BULLETS TO PULLETS in this big war plant at Illiopolis, Ill. The DeKalb Agricultural Association has converted these big warehouses, 50 feet wide and 436 feet long, into big laying houses. Many of them are now double-decked. Each house will handle 12,000 birds.



HOME ON THE RANGE: Inexpensive A-type range shelters are used by DeKalb. They have about 2,300 of them at Illiopolis.



POWER POULTRYMAN: Imagine using a tractor in a laying house! Here litter is being stirred to keep down dampness, a practice carried out about once a week.



This "Gift Horse" Boosted The Capper Fund for Crippled Children

Arthur Capper is mighty proud of this horse picture painted by his long-time artist friend, Albert T. Reid. After Reid donated this painting for crippled children, about 200 other American artists did likewise. The paintings were sold at public auction. Senator Capper was high bidder for the Reid picture.

This year's holiday art sale will commemorate the 30th anniversary of the Capper Foundation. High ranking artists from 35 states are donating original paintings. They will be sold in the Topeka municipal auditorium on the evening of December 4, and the money received will go to the Capper Foundation.

You can buy a Picture at this ART AUCTION

In effect, the money spent by each successful bidder will be a contribution to The Capper Foundation for Crippled Children. If you cannot come to the auction, choose your favorite painting in the catalog and send in your bid by mail.

— — — — Write for Free Catalog and Other Information Today — — — —

THE CAPPER FOUNDATION FOR CRIPPLED CHILDREN, Capper Building, Topeka, Kansas. Dear Sir: Please send me a free catalog containing data on artists and description of paintings to be sold at the art auction December 4, proceeds to be used for the benefit of crippled children.

Name

Address

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KANSAS FARMER Classified Advertising

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10c per word each issue.
Minimum—12 words.
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Write for special display requirements.
Kansas Farmer, Topeka, Kan.

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For Sale—4500 PULLETS

March and April hatched. All from U. S. approved and pullorum tested flocks: White Rocks, White Wyandottes, S. C. Reds and Barred Rocks. A penny postal brings you our Pullet Bulletin.
MRS. CARRIE I. RUPP'S POULTRY FARM
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Bush's White, Barred Rocks, Hampshire Reds, \$8.95, pullets \$10.95, cockerels \$9.85; big type eggbred Brown, White Leghorns, Austra-Whites, Black, Buff Minorcas \$7.85, pullets \$12.85, heavies \$6.95, leftover \$5.95, FOB 100% alive, Bush Hatchery, Clinton, Mo.

Chicks—Bloodtested, production Reds, Barred, White Rocks, Hampshires, Reds \$8.95, pullets \$10.85; White, Brown Leghorns, Austra-Whites \$7.95, pullets \$12.45; heavies \$6.90, Fryer Specials \$4.95, 100% alive, FOB, Clinton Chick Store, Clinton, Mo.

Barred, White Rocks, Hampshires, Reds \$7.95, pullets \$11.95; Brown, White Leghorns, Austra-Whites \$7.85, pullets \$11.95; heavies \$7.95, Table Use \$4.95, 100% alive, FOB, Thompson Chicks, Springfield, Mo.

DeForest Master Controlled Breeding gives you top quality Blueblood Chicks at reasonable prices. Write for free information today, DeForest Hatcheries, Box E, Peabody, Kansas.

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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 today for Free Colored Catalogue. East's Nursery, Amity, Arkansas.

Strawberry Plants—100 Everbearing Streamliner, Marvel, Superfection, Minnesota or Gem \$2.20, 100 Premier, Dunlap, Blakemore or Robinson \$1.30. Plants postpaid. Bonaparte Nursery, Bonaparte, Ia.

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! Free facts. Or subscribe to Milking Shorthorn Journal. Six months, \$1.00; one year, \$2.00; three years, \$5.00. American Milking Shorthorn Society, Dept. KF-5, 313 South Glenstone, Springfield 4, Mo.

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Black English Shepherds. Breeder 25 years. Shipped on approval, 10c for pictures and description. H. W. Chestnut, Chanute, Kan.
English Shepherd Puppies. Spayed females. Also registered Collies. E. J. Barnes, Collyer, Kan.

CHINCHILLAS

Chinchillas—Easy, profitable, hobby-retirement. Desirable quality. Reasonable price range. Write for literature. Visit Devine's Chinchilla Ranch, 3300 Gillham Road, Kansas City, Mo.

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

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You Can Build over a mile of terraces per day with a Terra-Tiller. Also, build road beds, water ways and diversion ditches. Write for information. Kiowa Mfg. Co., Kiowa, Kan.

New and Used Tractor Parts—Write for big, free 1950 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Company, Des Moines 3, Ia.

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Parts for All Stoves, ranges, heaters, furnaces back to 1886. Fit guaranteed. Write for prices. Give make, model and part number. Blue Belle Co., Dept. C, 1307 Howard, Omaha, Nebr.

Notice—We ship stove repairs direct to you from Chicago, any make, any model or kind of stove, range or furnace. All parts guaranteed to fit. Give full name of stove, range or furnace, model number, name of manufacturer and state parts wanted. Central States Repair Co., Defiance, O.

PRODUCE WANTED

We want broilers, springs. Coops loaned free. The Copes, Topeka.

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CONCRETE STAVE SILOS
Manufactured from Water-Proofed Cement.
A size to fit your needs.

K-M SILO COMPANY
1929 Kansas Ave. Topeka, Kansas

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

McPHERSON CONCRETE PRODUCTS CO.
964-1126 West Euclid McPherson, Kansas

FOR THE TABLE

HONEY 60-lb. Can FOB \$10.50

12-lb. Can (Postpaid to 600 mi.) . . . \$3.25
1950 crop. Nice, light, mild honey.
Satisfaction guaranteed.

HAHN APIARIES, 1715 Lane St., Topeka, Kas.

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32-Volt Appliances! Select from the World's largest line. Enjoy city conveniences. High quality. Low prices. Catalog free. Haines Corp., Dept. F, Minneapolis 2, Minn.

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from your negative 18 cards and envelopes for \$1.00. Add 35c if you send a picture. 1 Deckledge print each on 8-exposure rolls, 25c. 2 each on 8-exposure rolls, 35c. Price list sent with orders.
SUMMERS STUDIO, Unionville, Mo.

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

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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 REINCH AUCTION SCHOOL, Mason City, Iowa

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

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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.

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Bees for Profit. Pollinate your crops. Increase yield many times with bees on your farm plus profit from sale honey and beeswax. Full strength colonies ready to work, any quantity, extra supers for honey included. Loading point, Minatare, Nebr. Fall or spring delivery. Write Bradshaw & Sons, Wendell, Idaho, for details.

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Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Clinic, Suite C1006, Kansas City 3, Mo.

OF INTEREST TO WOMEN

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 and pumping costs. Postcard brings free details. Burson Laboratories, Dept. V-18, 955 Willard Ct., Chicago 22, Ill.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

Let me sell your handmade gifts on consignment. "Gift Box", 301 Ashby, Chanute, Kan.

HOBBIES—MOCRAFT

Make Money at home with Larson Leathercraft. No experience needed. Easy-to-assemble belts, purses, gloves, etc. Send 10c for Big Catalog of 100 ideas. Largest stock in U. S. J. C. Larson Co., 820 S. Tripp Ave., Dept. 291, Chicago 24.

HELP WANTED

I Am Looking for a respectable young single farm girl without previous domestic experience who is interested in a nice home and a good job. Private room and bath, in a completely modern air conditioned home. Room, board and uniforms are furnished. This is a permanent job, with pay starting at \$20.00 per week, with raises as experience is acquired. I have two children of grade school age. The work consists of simple cooking, light housekeeping and laundry. All heavy work is done by a yard man. Liberal time off and nights out. If you are not sober, honest and industrious, please do not apply. Address inquiries to: Mrs. E. V. Yingling, Jr., No. 22 Lakeside, Eastborough, Wichita, Kansas.

FARMS—MISCELLANEOUS

Big free fall catalog! Farm and country real estate bargains, good pictures, many states, easy terms, many equipped, unharvested crops included. For Special Service, state requirements, desired location. United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

514-Acre Dairy Farm in El Paso County, Colo. Level land. Modern improvements. Paved road, RFD, REA, school bus, phone, milk route. Price \$22,500. Terms. Possession. Louis Miller, Frankfort, Ind.

Own a Farm in the agricultural center of the United States. Write for new 1950 catalog describing many productive farms. Sutter Farm Company, Realtors, 1016 Baltimore, Kansas City, Mo.

Strout's Catalog—Farms, Homes, Country Businesses. World's largest! 3,029 outstanding Bargains, 31 States. Mailed Free! Buy new and Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

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La. Cane Syrup Gal. \$1.60; 31 Quilt Patterns 30c; 500 Page Dictionary 50c; Gigantic Limas 4 lbs. \$1.00 postpaid. Goodwill Bargains, Fullerton, La.

KANSAS CERTIFIED SEED

Certified Achenbach Brome Grass free of chaff and other weed seeds. Recleaned and bagged. Theilo Dodd, Concordia, Kan.

Wichita Wheat. Germination 98%. Purity 99.84%. Price \$2.75 per bushel. Leonard C. Brown, St. Francis, Kan.

Spray Stock to Control Insects

Spraying livestock for controlling insects and external parasites has boomed because farmers find it pays off in more meat and more milk. And it's another means of making sprayers pay for themselves, says the Farm Equipment Institute, at Chicago. Tests show a regular spray routine for dairy cows may increase milk production by as much as 15 per cent. Tests with thousands of beef cattle in several Kansas counties showed added gains of about 50 pounds per head resulted from DDT treatment.

Losses from cattle grubs each year amount to more than \$100,000,000, estimate entomologists. Much of this results from holes the grubs cut in hides of cattle. Losses in meat and milk production resulting from grubs are difficult to determine. In one test last year, cattle sprayed for grub control required 10 per cent less grain for 100 pounds of gain than untreated, grubby cattle.

Applying an insecticide in dust or solution with a brush will control grubs. But most recommendations now call for use of a power sprayer delivering a coarse driving spray at around 400 pounds pressure. It pays to treat cattle at 30-day intervals, from late fall to late spring, depending some on locality.

Crossbred Calves

In various crossbreeding studies over America with beef cattle, there was one principal disadvantage. Range producers of feeder cattle find buyers tend to discriminate against cattle with mixed colors. But this distinction does not exist on the fat-cattle market where purchases are based on finish, quality and yield.

The Ohio Agricultural Experiment Station reports Angus-Hereford crossbred calves from Angus cows were heavier at birth than purebred calves. The opposite happened in calves from Hereford cows. Crossbred calves out-gained purebred calves, with one exception, from birth to weaning. They also showed greater feed efficiency and yielded a higher-grade carcass and higher dressing percentage.

At the Montana station, purebred Herefords were compared with crossbred steers and heifers. Shorthorn bulls and Hereford cows produced steers with significantly heavier weaning and final feed-lot weights than did purebred Herefords. They also gained more in the feed lot. However, slaughter steer and carcass grade differences were not significant. The study revealed cross-breeds produced more calves.

Estimated Lamb Crop

Compared with 1949 figures, the estimated 1950 lamb crop in Kansas of 281,000 head is a 17,000 increase, reports the U. S. Bureau of Agricultural Economics and the Kansas State Board of Agriculture. This larger lamb crop resulted from an increase in the number of breeding ewes on farms, the first upturn following 6 successive years of declining numbers. The 10-year (1939-48) average lamb crop was 422,000 head. The number of breeding ewes on January 1, 1950, was 279,000 head. Lambs saved per 100 ewes 1 year old and over on January 1 were estimated at 101, the same as the 10-year average, but lower than the 104 in 1949.

Broiler Awards

Competitive classes will be provided for both live and dressed broilers at the Kansas Poultry Exposition, to be held December 7 to 9, at Emporia. Cash awards will be made and it is expected the amount of money offered will attract a large number of entries.

This showing of live and dressed broilers, representing Kansas' growing broiler industry, will be only one of many features planned for the poultry exposition, states M. A. Seaton, exposition manager.

Aids Pakistan Agriculture

Karl Knaus, Kansas State College graduate and former Kansas county agent, has gone to Karachi, Pakistan, for temporary agricultural work. Mr. Knaus, of Washington, D. C., represents the U. S. Agricultural Extension Service on county agent work in the 12 central states. In Pakistan he will work with their government in developing extension and rural welfare services.

Kansas Berkshire Breeders Association
Boar & Gilt Show & Sale
October 23, 1950
Wichita Sale Pavilion
St. Francis and 21st Streets
WICHITA, KANSAS
Show at 10:00 A. M.
Sale at 1:00 P. M.

60 Head Select Kansas Berkshires
30 Tuppy Open Gilts
24 Top Spring Boars
6 Outstanding Bred Gilts
Consignments from 15 Kansas herds.
For catalog and information write
GEO. D. CARPENTER, Sec. and Treas.
Clay Center, Kansas
Walt Butterworth, Auctioneer

SANDY CREEK BONNIE 2ND
680864 Sells in the
State Berkshire Hog Sale in Wichita
She was junior champion sow at the state fair; 1st prize senior spring gilt—sired by the 1st prize junior yearling boar out of 2nd prize junior yearling sow—litter mate to the 1st prize senior spring boar (he sells), member of 1st prize young herd, produce of dam and get of sire.
FRANKLIN NICKEL, Buhler, Kansas

Kansas State Duroc Breeders Boar and Gilt Consignment Sale
Horton, Kan., October 14
Abilene, Kan., October 10
100 HEAD TO SELL IN BOTH SALES
If interested in membership to the Kansas State Duroc Association write to Herman Popp, Secretary, Haven, Kansas. Plan to attend the two biggest events in Duroc History. Herman Popp, Secretary, Haven, Kansas.

BUY MISSOURI DUROCS
in the Farris & Son Sale on
Wed. Night—7:30 P. M.
October 11

We are just across the river at Faucett, Mo. Faucett is 11 miles south of St. Joseph and 40 miles north of Kansas City on highway 71.
25 DUROC BOARS—25 DUROC GILTS
(All March farrow.)
They are practically all sired by North Star an eastern bred boar and he is proving himself a great breeding boar in our herd. This is new blood for Kansas buyers. A registered, cholera immune offering.
For sale catalog write
FRED FARRIS & SON, Faucett, Mo.
Aucts.: Ferrel, McCall, Mendenhall

Martin's DUROC AUCTION
50 HEAD SELL
in the Purebred Livestock Sales Pavilion in
South St. Joseph, Mo.
on Monday, October 30

A sale of 25 Boars and 15 Gilts that are sired by the 1949 Nebraska junior champion the 49er, Modern Trend and Progress. We sell the 3rd prize senior spring boar 1950 Missouri State Fair sired by Progress. A 5th place junior boar sired by the 49er. Dam of 5th place boar is a litter mate to the Illinois grand champion this year. 3rd place gilt 1950 Missouri State Fair also sells. These March and April farrowed boars and gilts will interest you if you want better Durocs. For catalog write to
EARL MARTIN & SON, DeKalb, Mo.
Auctioneer—Bert Powell

SUPERIOR DUROCS
40 Excellent Spring Boars sired by Super Spotlight, Perfect Trend, Deets King, Crusader Ace—a boar battery second to none other. These are well-grown, rich red, heavy hammed deep thick with smoothness and short, well-set legs. Come or write as we can solve your boar problem to complete satisfaction.
G. M. SHEPHERD, Lyons, Kan.

REG. DUROC BOARS
Rugged spring boars. Vaccinated and guaranteed.
GEORGE WREATH, Belleville, Kansas

ROEPKE'S DUROCS
For Sale—Spring Boars ready for service. Featuring Blocky Knockout, Leader's King, and Golden Prince Image. Vaccinated.
ARTHUR ROEPKE, Waterville, Kan.

HOGS



ACT QUICK!

Attend Roy Koch's Night Sale of **CHESTER WHITE HOGS** at the **Marysville, Kansas**

Sales Pavilion, 7:30 P. M.
Tuesday Night, Oct. 10

20 Spring Boars—25 Spring Gilts
A Registered Cholera Immune Sales Offering that is sired by "Champ Jr. Successor", "Domestic Producer" and "Chief 1st," three of the best boars we could secure to head our herd.

Farmers Note: Plenty of good ones of either sex and you can always find some bargains in every sale. If you're present we are sure you can buy them at prices you can afford to pay. Come and see the best offering we ever sold.

ROY KOCH, Owner, Bremen, Kan.
Auctioneer: Bert Powell
Mike Wilson with Kansas Farmer

Kansas State

Chester White Sale

TOPEKA, KANSAS

Thurs., Oct. 12

7:30 P. M.
(Night Sale)



18 BOARS and 19 GILTS

Sale will be held in Bungers Sale Barn, North Topeka. 9 Kansas consignors of their top animals.

For catalogs write
LLOYD COLE, Sale Manager
Auburn, Kansas

IT'S A FACT

Gentle Chester Whites Farrow, Raise Larger Litters That Gain Faster on Less Feed—Profitably Produce More Meat Type Market Toppers. For Facts, Write



CHESTER WHITE SWINE RECORD ASS'N
Levi P. Moore, Sec'y ROCHESTER, IND.

Midwestern United States OIC SHOW and SALE

Hutchinson, Kansas

Thursday and Friday
October 26 and 27

Kansas State Fair Grounds

SHOW AT 1:00 P. M. THURSDAY
SALE AT 10:00 A. M. FRIDAY

Prizes to be given including a weanling pig donated by Mr. and Mrs. Sylvester Martin, Mt. Hope, Kan.

For sale catalog write to
VERNON ZIMMERMAN, Sale Mgr.
Inman, Kansas



Special prices on Reg. pigs.
PETERSON & SONS
Osage City, Kansas

100 REG. HAMPSHIRE HOGS

Sell at Auction, at Paola Sale Barn

Paola, Kan., October 14, 1950
at 1:00 P. M.

Bred Sows and Gilts—Sows and Litters, Open Spring Gilts and 25 Spring Boars. Immune and ready for breeding. This offering selected from good litters of production tested bloodlines. We welcome your visit and inspection of this offering any time. Also our herd boars and our sow herd, which is mostly O'Bryan bred. Farm located 8 miles south, 1 mile west and 1/4 south of Gardner, Kan. Judging contest at 11 A. M. for 4-H and FFA members, a weanling sow pig to each for prizes.

For further details write for catalog to
JOHN FRUIT, Edgerton, Kan.
Auctioneers: Darwin Johnson, Deerfield, Mo.
Wade Morris, Paola, Kan.

ETHYLEDALE FARM

Improved for type and bigger litters. Best of breeding. Choice spring boars and spring gilts ready to go.

PRODUCTION HAMPSHIRE

DALE SCHEEL
Emporia, Kan., Rt. 2

REGISTERED HAMPSHIRE BOARS

A choice lot of spring boars from large litters sired by Royal Lamplighter and Progress Type. Vaccinated and Bang's tested.

BYRON C. WENZINGER, Lawrence, Nebr.
3 1/2 miles west and 1 south

Haven Hollow Farm Durocs

High Quality Spring Boars sired by Stylish Wonder and Model Promoter. Ready for service. Also some open gilts. For further information, write or see

G. F. GERMANN & SON, Manhattan, Kan.

REGISTERED DUROC

Fancy Spring Boars and Gilts sired by Royal Fleet Line First, He'll Do's Model and Super Model, a top son of the twice Ohio grand champion boar and from splendid dams.

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



IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

DELORES, the small daughter of Mr. and Mrs. Glenn Lacy, of Miltonvale, was the exhibitor of the Grand Champion Steer in the 4-H department of the Clay County fair recently. There were 36 calves in the class. The young lady's calf was a son of the Lacy herd bull, Prince William 20th. The Lacy herd sire is producing the type of Shorthorns that are in demand today.

National honors have been awarded **A. LEWIS OSWALD**, of Jersey fame, at Hutchinson. This honor was awarded Mr. Oswald on the bull at the head of his good herd of Jersey cattle. This grand sire, Observer's King Onyx, has been named a senior superior sire by the American Jersey Cattle club. The bull has 53 daughters tested for production. They averaged 8,874 pounds of milk and 471 pounds of butterfat in 10 months on twice-day milking, mature equivalent basis.

Duroc breeders of Smith and adjoining counties met in Smith Center recently and organized an association which goes under the heading of the **U. S. CENTER DUROC BREEDERS ASSOCIATION**. They will hold their first sale in Smith Center this fall. The offering of breeding stock has been very carefully selected for individuals and breeding. Vern V. Albrecht, veteran breeder and president of the National Duroc Record Association, was elected secretary and treasurer of this newly-formed active association.

H. E. HOLLIDAY, Spotted Poland China breeder of Richland, has been in the limelight with his exhibition herd. Mr. Holliday exhibited the grand champion boar at the 1950 Kansas Free Fair. The boar's name was Diamond X. Mr. Holliday tells us this boar is not only a show boar but is proving himself an outstanding herd sire as well. No doubt spring pigs sired by this great boar are the best produced at Sunnybrook Farm. Diamond X just turned 2 years old and weighs 760 pounds.

C. E. GORDON, of Independence, made a complete dispersion sale of his registered Herefords at the sale pavilion, August 24. R. F. Brown, of Independence, purchased the top bull at \$600. The top cow and calf brought \$555. A. C. Golden, of Topeka, purchased the cow and the calf was bought by Brown Bros., of Fall River. L. B. Hageman, of Hepler, was the heaviest buyer, taking 6 lots for \$1,860. A. C. Golden, of Topeka, was a close second, paying \$1,840 for 7 lots. The general average of all animals sold was \$263 and they all stayed in Kansas. Mr. and Mrs. Harold Tonn furnished complete sales service which was very successful.

ATCHISON COUNTY RURAL YOUTH ASSOCIATION has planned an auction sale of steer calves suitable for 4-H and FFA projects. The committee has decided this sale will be at Civic Center Building, in Horton. Each year this youth organization plans a project of some kind for the benefit of the community. This year they feel an auction of this nature will be of great assistance to 4-H boys and girls and FFA members of that vicinity. It will enable the members to get calves for their coming projects without traveling a great distance from home. John Armstrong, Jr., of Muscotah, heads this committee.

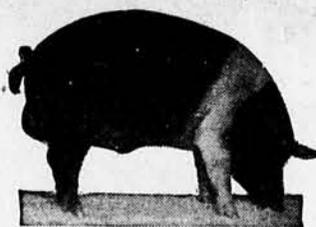
Demand was very high at the recent **HOLSTEIN DISPERSAL SALE** at the W. C. Neihart farm, near Lyndon, on September 8. Mr. Neihart offered 26 head of registered Holsteins and 28 head of grade Holsteins to a large group of interested buyers. Lot No. 7, Gerben Flossie Sir Betty was the top cow of the purebred section. She was purchased by Benton Nichel, of Newton, for \$550. An average of \$320 was made on the 26 lots of purebred Holsteins. This included mature producing cows down to baby heifer calves. The range in prices on the grades from mature cows down to baby heifer calves made a general average of \$284. Colonel Bert Powell sold this fine offering, assisted in the ring by Jim Wilson, of Topeka, and Mike Wilson, of Kansas Farmer.

ARTESIAN VALLEY HERD OF REGISTERED MILKING SHORTHORNS SALE was held at Fowler, August 30. Ideal fall weather prevailed. The attendance was large and the sale was a marked success. The offering of cattle was distributed to buyers from Oklahoma, Colorado, Texas, Missouri, Wyoming and Kansas. The top 10 head of the offering made an average of \$835. The entire 59 lots sold made an average of \$406 per head. Twenty-one head of the offering were calves under 90 days of age. The Walkers are replacing their livestock operations on this ranch with a registered herd of Hereford cattle. They have selected a herd sire from the CK Ranch at Brookville. They have also purchased 37 foundation heifers from P. F. Hansen, of Hillsboro. They are building their foundation for this herd of cattle on straight Hazlett breeding.

Climaxing years of achievement, **WEBER HAZELWOOD BURKE RAVEN**, owned by Jake Zarnowski, of Newton, has been awarded the highest honor a Holstein-Friesian sire can attain. He was recently designated as a gold medal proved sire by the Holstein-Friesian Association of America. To qualify as a gold medal sire, daughters of this bull must have reached a high peak of milk production. They also must attain high standards of body conformation according to the ideal Holstein-Friesian score card. Of his 36 daughters which have been classified for type, 7 scored "Very Good," the second-highest rating a Holstein can achieve. Average score for all classified daughters was 81 points. Production-wise, 17 of his daughters have completed official records in either Advanced Registry or Herd Test. Thirteen of these exceeded the high Advanced Registry requirements by 50 per cent or more.

On National Committee

Emmet Blood, R. 5, Wichita, will serve on the agricultural department committee of the U. S. Chamber of Commerce during the 1950-51 fiscal year.



R. E. BERGSTEN & SONS

REGISTERED HAMPSHIRE BOAR and GILT SALE

at the farm, 1 mile south of

Randolph on October 21, 1950

at 1:00 P. M.

Selling 30 Spring Boars, 20 Open Gilts

A number of Gilts bred to farrow soon,

Also 10 Open Gilts

Not eligible to register.

Featuring pigs sired by Square Molder who was first place Senior Yearling and a boar pig sired by him was 1st Senior Pig at the recent Kansas State Fair, Hutchinson. This is our best yet offering. They are big, stretchy, rugged meat type Hampshires, and are conditioned right to go out and do well for their new owners. They are Cholera immune and negative to Bang's test. Write for sale catalog and attend the sale.

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

Bert Powell, Auctioneer

Mike Wilson for Kansas Farmer

KANSAS STATE

Poland China Hog Breeders Show and Sale

Hutchinson, Kansas

Wednesday, October 18

Show at 10:00 A. M. for 4-H Club and FFA Boys and Girls
SALE AT 1:00 P. M.

Sale to be held at the State Fair Grounds, Hutchinson, Kan.

16 BOARS — 21 GILTS — 3 BRED SOWS

Consignors in this sale are consigning only their top pigs. Practically all the winners at Topeka Free Fair and the Kansas State Fair are offered for sale.
ARDEN KROHN, Scandia
J. J. HARTMAN & SON, Elmo
ALBERT MORGAN, Alta Vista
FLOYD BRIAN, Mulvane
HERBERT RINDT, Herrington
HENRY HAIN, Spearville
HARRY TURNER, Altoona
PAUL WILLIAMS, Clay Center
For sale catalog write to **RAY SAYLER, Sale Manager, Manhattan, Kan.**
Mike Wilson, Auctioneer

R. H. WILLIAMS, Clay Center
K. C. WIDLER & SON, Burns
HERBERT SCHROEDER, Walton
OLEN STREEBIN, Ottawa
C. H. MORROW, Rantoul
RALPH E. SMITH, Kincaid
J. H. SAYLER & SON, Quenemo
CHARLES ZIMMERMAN, Alta Vista

REGISTERED DUROC BOAR AND GILT SALE

Troy, Kansas, October 23, 1950

SALE PAVILION. SALE AT 1:00 P. M.

The blood of such sires as Kansas Broadway, sired by Broadway, a sire of the 1950 Indiana Champion, and the dam by All Cherry Model. We farrowed an average of 10 pigs per litter this spring, and have 76 pigs from 7 sows this fall. This boar is new breeding for this section of the country. He is a very deep boar with a neat boar head. A litter by Drama, the herd boar of Maah's Brothers of Eagle, Nebraska. Also a litter by Fleetline Colonel, the Simpson Brothers boar. Write for catalog.

IRVIN P. FRENCH, Sparks, Kansas

Col. Bert Powell, Auctioneer

REGISTERED DUROC BOAR & GILT SALE

October 13 — 7:30 P. M. (night sale)

We will sell some of the top winners at the Nebraska and Kansas Fairs.

The sale will be in

Fairbury, Nebraska

at the Fair Grounds



The farmers kind for the farmer. 45 Boars and Spring Gilts. Well grown, well developed, high class herd-building material. For catalogs and other information write

VERN L. HARDENBERGER, Narka, Kansas, or
WAYNE L. DAVIS, Mahaska, Kansas

Your Own Test Proves Them Best. BALL-BAND IS THE FARM FAVORITE!



Freezing cold, mud and slush, rugged work on the farm . . . a tough test of footwear quality!

That's just the kind of test Ball-Band is built to take . . . the test it has taken for over 50 years. For sturdy construction, for weather-proof comfort, for honest value and style, take most farmers' advice and go to the store that displays the Red Ball.

BALL-BAND BOOT. Built to fit for lasting service and wearing comfort all the long farm day.

2-BUCKLE WISKON. So light and flexible you can slip it on with one finger pull and wear it all day in comfort. Extra tough rubber for long wear.



Look for the
RED BALL
on the sole

Ball-Band Weatherproofs

MISHAWAKA RUBBER & WOOLEN MFG. CO., MISHAWAKA, INDIANA

Buy United States Savings Bonds

NEW Jayhawk HYDRAULIC LOADER

Will Fit Your A-C WD and More Than 60 Other Row Crop and Wide-Tread Tractors

Tested to 2850 Pounds. Works in Barns, Sheds, Anywhere a Tractor can go. Has Famous Jayhawk Patented Automatic Load Leveller. Sweeprake, Bulldozer, Hay Crane and Snow Scoop Attachments.



Jayhawk's simplified design, fewer parts and single oversized cylinder make it comparatively easy to mount on the A-C WD, using the WD high pressure hydraulic system. No other pump needed.

These same Jayhawk features simplify hitch design for other tractors. That's why Jayhawk fits more than 60 different tractors . . . why Jayhawk hitches cost little and why you can attach or detach the Jayhawk in 3 minutes.

Get a Jayhawk and you save time, trouble and expense. Write for FREE CIRCULAR, low prices today.

THE WYATT MFG. CO., INC. JAYHAWK FARM IMPLEMENTS SINCE 1903 DEPT. 1230 SALINA, KANSAS

Dried Wheat in a Hurry

ABOUT the best story we have heard on grain drying came from Central Kansas. At combining time a farmer took a load of wheat to town, but it was refused at the elevator. Too wet.

All right, the farmer replied. He went home with the truck still loaded. But an alfalfa dehydrating plant is located across the road from his farm. It didn't take him long to make a deal with the owner of the plant.

With reduced heat the wheat was run thru the dehydrator and loaded back on the truck. Arriving back at the elevator, the grain operator again stuck his hand into the load of wheat. But his hand came out fast. It was hot!

We can't take that wheat. Why, it's already hot. That was the immediate reaction of the elevator man.

Test the moisture, the farmer suggested. The elevator man found the wheat dry as popcorn in a sack. He took the wheat. After a bit of thought, he let the farmer know he recalled there was a dehydrating plant out near his farm.

Drying this grain in the dehydrator cost far less than the slashed price the farmer would have received had the elevator been able to take the wheat.

Will It Pay to Grade Eggs?

(Continued from Page 4)

consumers and retailers to check responsibility back to where it belongs. Processors so openly identified will be eager to see that eggs measure up in quality.

Producers in the Winfield area are being paid for eggs on a grade basis where possible, with price spread running from 5 to 7 cents a dozen between grades.

It is too early yet to tell how successfully the program is going to work. The plan has been in effect at Winfield only since July 15. But early results look very promising, altho some rather serious problems remain to be licked.

"My sales of eggs already have increased by one-third," reports Nick Fennema, Winfield processor who holds the No. 1 permit issued by the state. "Some of this gain," says Mr. Fennema, "may be due to the higher relative price of meat. But I am willing to give most of the credit to the Kansas grade-labeling program as it has given my customers more confidence. My big trouble has been in finding enough grade-A eggs to supply demand." Mr. Fennema not only supplies local grocers with graded eggs, but also sends graded eggs out on his retail delivery trucks to be sold along with milk and butter.

Plan Is Bearing Fruit

George Kinnimonth, manager of Armour and Co., says: "Retailers I have talked to like the idea of our Kansas graded-egg program but say it needs a lot more advertising to put it over with the consumer. I am sure that will come in time. Already, the plan is bearing fruit for us outside of Winfield. A large retailer from another city heard about the plan and is eager to get in on a supply of guaranteed quality eggs. We think more and more retailers will catch the spirit as consumers begin to ask for our Kansas graded eggs."

One thing that stands in the way of the graded program, Mr. Kinnimonth believes, is the present government buying program on eggs. "We hope to see the government back a graded-egg support program next year with a 5- to 7-cent spread and will work to that end," he says.

How eggs are marketed by the farmer has a lot to do with his price and with the supply of grade-A eggs for consumers, says Ed Spresser, official grader for Armour's, who supervises all egg buying and processing.

"Where we have farm routes and pick up eggs twice a week," he says, "those eggs will average about 60 per cent grade-A. Where eggs reach us on the current-receipt basis, either delivered to the plant by farmers or after being sold by farmers to local buyers, only 20 to 30 per cent will make grade-A." This indicates farmers who follow haphazard marketing practices with eggs are losing from 30 to 40 per cent of their grade-A quality before the eggs ever reach the processor.

Winfield processors buying on grades are giving both farmers and consumers a break. Farmers are given a record showing date their eggs are candled, who candled them, and how they candled out as to grade. Each case of graded eggs going out of the plants also contains an inspection sheet giving initials of candler, date candled and name of the plant.

M. R. Ferguson, manager of Seymour

and Co., says: "I think the Kansas graded-egg program has great possibilities. We are just getting started in it and hope to have much more to offer retailers in the near future. I do think that as yet the majority of our merchants are not fully sold on the program and need to know more about it. We must be careful, too, to guard against too much price spread between the producer and consumer. If we can give the customer a fine product at a reasonable profit it will be a good thing for everybody."

Hear Both Sides

Retail comment on the program ranges all the way from enthusiasm to outright opposition. The 2 most enthusiastic merchants we talked to were Leonard Williams, proprietor of the Williams Grocery, and Charles Swedenburg, manager of the Winfield Safeway store.

Says Mr. Williams: "Down in Oklahoma I once built a tremendous grocery business by making a specialty of taking eggs from farmers in trade. I never made any money reselling the eggs but I made money on the groceries I sold to farmers. After years of experience I now believe the best thing for everybody—farmer, groceryman and consumer—is for all eggs to be sold thru qualified processors to insure a uniform product and for maximum consumption."

Then Mr. Williams went on to say: "Eggs that are taken by grocerymen in trade and sorted, rather than graded, before being passed on to the consumer are not doing the egg business any good. I have known of some grocery stores where the delivery boy did the egg candling in his spare time. Such handlers are not qualified. None of us can afford to hire full-time, qualified egg graders to assure quality eggs reaching the housewife. The Kansas grade-labeling plan gives the groceryman time for more important things and insures the housewife a good product."

Harold French, manager of the Cop Super Market, disagrees. A farm boy himself, Mr. French does his own grading. "I would hate to see all the eggs go to processors because it would mean a monopoly in the buying end and that might be bad for producers. I am also afraid that once the egg business got out of our hands the spread from producer to consumer would increase. Our top eggs, as graded at the store, will measure up to the Kansas grades and I don't want to turn the job over to anyone."

(Continued on Page 35)

A Stroke Seldom Fatal

In the days of our daddies nothing was dreaded quite so much as a STROKE. There was a general opinion that the third stroke was always fatal. We know better now.

Doctor Lerrigo has issued a special letter "Hints About Apoplexy" that will be sent to subscribers upon request. If you desire a copy, be sure to send stamped reply envelope addressed to yourself. Send your request to Editor, Kansas Farmer, Topeka, Kansas.



Mr. Lewis recognizes that some stores will want to do their own grading. "Our Kansas plan does not intend to shut them out," he says. "Mr. French or any other grocer can get a Kansas permit to grade and retail eggs under the Kansas grade label if grading is under supervision of someone who has passed a state examination."

One Winfield grocer had this to say: "Most of us aren't qualified to do grading. If the official Kansas grade label was on all eggs in all stores it would give the buyers more confidence than if each of us has his own grade standards, as now exists. Personally I feel as a store manager my time is too valuable to be spent in the back room candling eggs, even if I could do as good a job as the state graders."

Charles Swendenburg, Safeway store manager, is enthusiastic over the new plan. "We have had our quality-egg program for about 3 years," he says. "Now we use the Kansas label on our egg cartons in addition to our own grade and find it does give more emphasis to quality and has improved egg sales."

"We also use the Kansas State College egg-grade chart," he says, "to explain grades to housewives. We find many women just don't know what grades mean. We want to help them buy eggs more intelligently." The Safeway company, by the way, thru its Brentwood Egg Co., at Wichita, is grading and reselling under a Kansas permit to its stores thruout the Wichita area.

A Problem Comes Up

But even tho a store owner may like the graded-egg idea he may be handicapped in carrying out the program. We talked to one store owner, for instance, who said this: "I like the graded program and have been handling the eggs when I can. However, once in awhile I get a large supply of eggs brought in by farmers for trade. When I do, these eggs have to be sold, and that means I have to quit buying graded eggs until I get rid of my own surplus."

The fact that grocery stores and farmers are in the habit of dealing with eggs as a trading stock for groceries is a stumbling block to any quality program. It is possible this stumbling block may be removed when grocers and farmers become convinced such methods of marketing are not beneficial in the long run. Or, consumers may eventually be educated to demand only officially graded eggs. When that time comes most eggs will have to go thru qualified graders, either in the

**This New Little Fair
Stands on Its Own Feet**

AUGUST and September are fair months in Kansas. Everywhere you go you find fall fairs. The Kansas State Board of Agriculture listed 79 such events for the 1950 season. But there are others not even listed in the "official" column. If all the others could be counted the total might be even closer to 100.

We wandered onto the grounds of the Tri-County 4-H Fair at Herington this year on opening day. It is one of the "other" fairs that receives neither state nor county tax money to facilitate operation. It is only 3 years old, but this fair seems to be going great guns. Listening to the story of its beginnings and workings is a lesson in community co-operation.

Exhibit buildings, and they do have some good ones, came from the Herington air base. Because the proposed Tri-County 4-H Fair was a non-profit organization, the buildings were obtained for little more than a song. Money needed was subscribed one Saturday night by Herington businessmen who had gotten together for a quick meeting. Final word had to be given early the following week.

Everybody Worked

To keep the outlay as low as possible during the beginnings of this new fair, Herington businessmen performed practically all the the laborious tasks that come with building a new fairgrounds. Competing bankers worked side by side building foundation forms for exhibit buildings. Mayor of the city signed a proclamation to close all business houses one day so businessmen could all go out to the fairgrounds and put in a day's work.

For years Herington has had a "railroad town" reputation. But you can feel a change in thinking. Business-

processing or retail branch of the industry.

"One thing farmers should remember is that only a minor part of their egg production is consumed locally," say the processors. "The bulk of our egg purchases go to large cities on both coasts and on the Gulf of Mexico. These eggs must compete in quality and price with those of other states. Our haphazard marketing methods in Kansas account, in large part, for the fact our state ranks so low in prices paid to farmers."

Everyone connected with the Winfield test says more education is needed all along the line. Processors report even among farmers some producers still think all large, clean-shelled eggs are grade-A eggs, regardless of quality inside the shell. Lots of housewives have this same idea, too. Consumers need to be educated to the point where they will be willing to pay a reasonable premium for quality, and this premium price must get back to the producer.

Washing Removes the Bloom

Another point that needs attention, say processors, is the matter of farmers washing eggs. "Washing removes the bloom on the shell and increases evaporation," processors say. "If washed eggs are placed in the case while still wet they also will pick up a filler stain that further damages resale value."

Retailers need more education on keeping eggs under refrigeration, on the value of selling eggs on grade, and on helping customers in buying on grade. Retailers also need to re-evaluate the practice of taking eggs direct from farmers in trade. Consumers, of course, need to know what grades mean and how to buy and use eggs on a grade basis. For instance, say retailers, many housewives think that grade-B eggs are not as fresh as grade-A eggs.

Mr. Lewis, who is charged with the educational work, realizes all these things. "We knew when we started we had a tough job," he says. "That's why we wanted to take one community first."

"This is really the first time anyone has tried a complete educational program for the whole industry—producers, processors, retailers and consumers. Previous quality programs have failed because they were aimed at 'just the consumers' or 'just the producers.' We feel we have a good chance to succeed at Winfield. If we do the idea can be applied to other communities until we eventually have a state-wide program that will work."

men are aware that agriculture is a big industry all around the town.

After foundations had been prepared for one building, estimates were received for moving the building and setting it on its new base. But moving costs money. The business people of the town decided they couldn't afford to spend that kind of dough. Instead they took the good Old American step. Fire truck and police cars went up and down streets urging everyone out to the fairgrounds. Help was needed.

The call for help was answered. Enough men appeared on the scene to completely surround the 100- by 20-foot building. This army of citizens stooped over, picked up the building and carried it to its new footing. Several hundred dollars were saved with that one community action.

Many Animals Entered

The Tri-County 4-H Fair is doing all right in the exhibit and attendance department, too. More than 100 4-H baby beeves were exhibited this year. There were between 25 and 30 4-H beef heifers. Club members showed 29 dairy heifers and cows. There were 35 head of sheep and 125 head of hogs. Practically all these are 4-H exhibits, just like the name of the fair indicates.

And it's good stuff they are showing. One baby beef shown at the Tri-County Fair a year ago stood 4th in a class of 82 at Forth Worth later in the season. State fair winners show their calves at Herington. They can't all be winners. But win or not, they get 3 cents a pound above market price for their baby beeves.

Even on opening day this year, crowds swarmed all over the fairgrounds at the south edge of the town. It looks like this young fair is really going places.

**DOES WHAT NO
OTHER GASOLINE
EVER DID BEFORE**

KEEPS RUST OUT...

GASOLINE TANK

as it

PUTS SUPER-POWER IN

MOTOR

New Sinclair Gasoline gives you new, SUPER-POWER for your tractor, truck and car—new fast starting, new high anti-knock, new economy.

This Super Sinclair Gasoline also keeps rust out of your gas tank (rust formed by moisture condensation). Miracle Sinclair rust inhibitor, RD-119, now in all Sinclair gasolines, stops rust formation that costs you valuable time, that costs you money in repairs by clogging strainers, fuel pump and carburetor jets.

Phone your Sinclair Representative today for new, SUPER-POWER Anti-Rust Sinclair H-C or Sinclair Ethyl Gasoline.

NEW Super-Power ANTI-RUST

SINCLAIR

GASOLINE WITH RD-119

SINCLAIR Diesel Fuel, Heating Oils, and Kerosene also contain RD-119 anti-rust.

Western Land Roller PUMPS FOR IRRIGATION

CENTRIFUGAL and TURBINE

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

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

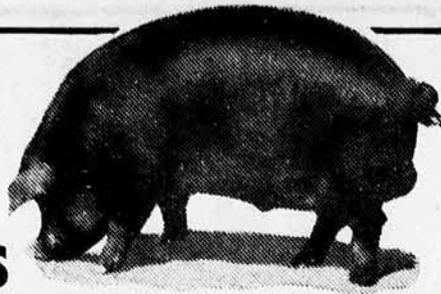
ANY CAPACITY 300 TO 2500 GALLONS PER MINUTE, AND ANY LIFT FROM 10 TO 300 FEET

9 PRIZE WINNERS

INCLUDED IN OUR OFFERING OF **BOARS—GILTS**

SALE OCTOBER 21st

Yes sir! 9 prize winners—all sired by PEPPARD'S QUALITY, the Sire Supreme,—all out of TOP STAR DAMS. Among the 9 are Mr. Trouble (see cut above), Reserve Jr. Champ. Missouri, 2nd senior boar Iowa, 3rd senior boar Illinois and Lady Jane, 5th Jr. spring gilt Missouri, 8th Illinois. Litter mates of these 9 prize winners and many other pigs of equal merit will go to make the best sale offering we have ever presented.



Just to give you an idea of what TOP STAR dams are like. Peppard's Starlette by Top Star won Grand Championship at both Iowa and Missouri and Reserve Grand Championship at Illinois. As to Peppard's Quality—the performance record of his get in the show ring and in service in leading herds stamp him as one of the top Duroc breeding boars.

Neither farmers nor breeders can afford to miss this sale Saturday afternoon, October 21st.



PEPPARD FARMS

MRS. J. L. PEPPARD, Owner CHET SWAFFORD, Herdsman
LAWSON, MISSOURI
3 1/2 Miles S. E. of Lawson, Mo. • 4 Miles N. E. of Excelsior Springs

BAUER BROTHERS

POLAND CHINA ANNUAL BOAR and GILT SALE



October 14, 1950 — 1:00 P. M.
at Fairbury, Nebr., fair grounds

"Just over the line in Nebraska"

60 Head Sells—40 Spring Boars, 20 Spring Gilts

Offering is tops of our 255 spring pigs—our 1950 Nebraska State Fair winners. Including 1st, 4th and 10th Senior Spring Boar, 1st, 5th and 8th Junior Spring Boars. Also the Junior and Reserve Grand Champion Boars. This offering is sired by Cavalier, Cardinal, Copy Right, Smooth Leader and other good boars. These are the fast maturing type with meat heads, trim jowls and smoothness thruout. Every purchase guaranteed.

Write for catalog to **BAUER BROTHERS, Gladstone, Nebr.**
Mike Wilson for Kansas Farmer

NEBRASKA STATE MILKING SHORTHORN BREEDERS SALE

Fairbury, Nebraska
October 21, 1950

Sale Starting at 1:00 P. M. There will be a breeders meeting and banquet on October 20. Selling 45 Head of Registered Milking Shorthorns 10 Bulls — 15 Cows 20 Open and Bred Heifers Joe Hunter, Geneseo, Kan., Boxman For sale catalog address Max Kimmerling, Beatrice, Nebr. Burritt Allen, Auctioneer

COMPLETE

Holstein Dispersal Sale

Monday, Oct. 16—10:00 A. M.
25 Head—15 Cows, 9 Heifers, 1 Bull
Cows—5 Registered, 10 High Grade (10 milking and 5 to freshen.)
On DHIA test. All good producers. Some up to 455 pounds butterfat. Bang's, Tb. tested—health certificates.
Heifers—4 Registered, 5 High Grade Some by SBA Model Actor, a Carnation bull. Offering includes 3 blue ribbon, and reserve 1950 Marion-Harvey Co. Fair.
For full sale information listen to KNEX (1540), McPherson, Kan., at noon.
JACOB ENNS, Owner
Hillsboro, Kan.
4 1/2 N., 2 1/2 W. on all-weather road
E. M. Krehbiel & Son, Auctioneers

The 8TH ANNUAL SALE of the Kansas State Guernsey Breeders' Association
Kansas State Fair Grounds
Hutchinson, Kansas
Wednesday, Oct. 25
1:00 P. M.

The consignments have been selected by the state sale committee, so that each buyer may be assured of quality cattle. There will also be 10 heifers especially selected for 4-H Club and FFA members only. A catalog giving the complete pedigree and all production records for each animal in the sale may be obtained from
C. J. GRABER, Sec., Rt. 1, Newton, Kan.



MISSOURI POLLED SHORTHORN SHOW AND SALE

State Fair Grounds
Sedalia, Missouri
Monday, October 23
(Show 9:30—Sale 12:30)

18 Consignors Sell 22 BULLS and 42 FEMALES. For Sale catalog write to **ROLLO E. SINGLETON, Sales Manager, c/o State Department of Agriculture, Jefferson City, Mo.**
Auctioneer: C. D. Swafford

BERT POWELL

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

DAIRY CATTLE SALE

Sale Pavilion
Centerville, Nebraska
October 11—1 P. M.

11 miles south of Lincoln, Nebr., on Highway 77, then 2 miles west on Highway 33. 12 miles Crete, Nebr., on Highway 33.

54 HEAD OF BROWN SWISS including the dispersal of one entire herd. Many of the cattle are registered, good type and color. Several good registered bulls. Also some good Holsteins and Guernsey cows and heifers. If you are in need of good dairy cattle attend this sale. They will be sold with the usual privilege of inspection after the auction to meet the buyers approval.

FRED J. LAUTERBACH, Owner
Martell, Nebraska

Berkshire Hogs

October 23—Kansas Berkshire Breeders' Association Sale and Show, Wichita Sale Pavilion, George D. Carpenter, Secretary, Clay Center, Kan.

Chester White Hogs

October 10—(Night Sale) Roy Koch, Bremen, Kan. Sale at Marysville.
October 12—Kansas State Breeders Sale, Topeka Kan. Lloyd Cole Auburn, Sale Manager.

O I C Hogs

October 26 and 27—The United States Mid-Western O I C Swine sale, Hutchinson, Kan. State fair grounds, Vernon Zimmerman, Sale Manager, Inman, Kan.

Poland China Hogs

October 7—N. L. Farmer, Platte City, Mo.
October 16—C. R. Rowe & Son, Scranton, Kan.
October 17—J. J. Hartman & Son, Elmo, Kan.
October 18—Kansas State Poland China Breeders Sale, Hutchinson, Kan. Ray Saylor, Sale Manager, Manhattan, Kan.

Spotted Poland China Hogs

October 7—J. A. Buckles & Herman Ideker, Mound City, Mo.
October 16—H. J. McKeever, Mahaska, Kan. Sale at Fairbury, Nebr.
October 23—Ed Pachta, Belleville, Kan. (night sale)
October 23—Wayne L. Davis, Mahaska, Kan. Sale at Fairbury, Nebr.
October 24—K. F. W. Spotted Poland China consignment sale, State fair grounds, Hutchinson, Kan. Dale Konkel, Manager, Haviland, Kan.
October 31—Kansas Spotted Poland China Breeders Sale, Hiawatha, Kan. H. E. Holliday, Secretary, Richland, 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	\$33.00	\$31.50	\$26.50
Hogs	21.10	24.35	19.50
Lambs	28.75	28.25	23.00
Hens, 4 to 5 lbs.	.23	.17	.21
Eggs, Standards	.37	.33	.51 1/2
Butterfat, No. 1	.54	.51	.57
Wheat, No. 2, Hard	2.30 1/2	2.26	2.27 1/2
Corn, No. 2, Yellow	1.48	1.47 1/2	1.25 1/2
Oats, No. 2, White	.85	.83	.74
Barley, No. 2	1.35	1.34	1.15
Alfalfa, No. 1	28.00	26.00	32.00
Prairie, No. 1	15.50	15.50	16.00

Saves the Back

The new walk-thru type of milking parlor may not be a timesaver but it certainly is easier on the back. So says Art Leonard, Chautauqua county dairyman. He started using his 3-stall parlor in April of 1949. It takes about 90 minutes to milk his herd of 30 cows. That means about 9 minutes for the cow to eat her grain while being washed and milked. But having cows in an elevated position eliminates all stooping. And that makes a big difference at the end of each day, says Mr. Leonard.

T. D. Bell Heads State Sheep Studies

Dr. Thomas D. Bell, of Cedar City, Utah, joined the animal husbandry staff at Kansas State College, August 1. He will have charge of sheep investigations. Doctor Bell fills the vacancy left by Dr. Rufus F. Cox, who became head of the Kansas State animal husbandry department.

The new staff member formerly was professor of animal husbandry and chairman of the division of agriculture at the Cedar City Branch Agricultural Experiment Station. He graduated from the University of Idaho in 1932. He did advanced work at Washington State College and the University of Wisconsin. From 1939 to 1942 Doctor Bell was assistant animal husbandryman at the New Mexico Agricultural College. He later organized the Texas animal husbandry substation at Yselta.

Unusual Egg

Dear Editor: I thought maybe you would be interested in hearing some news on the egg story.

My mother and little sister, age 4, went out to gather eggs when they found an over-size egg on the floor. My little sister said, "Mama I wonder where this came from?" Then she wanted it for supper. When I broke it I found an egg inside the other shell. Was I surprised!

I spread the news around the family and Dad said he had read an article in Kansas Farmer about you having one, so I looked the magazine up and read it and decided to let you know about it.

The egg was 7 1/2 inches around on the outside and this was filled with white, then there was another normal egg that measured 6 inches around the long way. The pullets are 11 months old and are Austra-Whites. We also find quite a few double-yolked eggs.—Alice Dieker, Westphalia.

Dairy CATTLE



Registered and Pure Bred WISCONSIN HOLSTEIN CALVES

For Higher Production Herds
Exceptional offering of registered and pure bred Holstein, Guernsey and Brown Swiss heifers and bulls from the finest herds. Tested, vaccinated. Well started—no milk required. Fine selection always on hand. Approval shipment. Write today.

Lowest Prices on **HOLSTEIN** Cows and Bulls
J. M. McFARLAND & Son
Watertown 2 Wisconsin

Holsteins Sunnymede Farm

Bulls Calves Ready for Service one of these from
Dam—Sunnymede Kathryn Count
H. T. 5 yrs. 6 mo. 2x 365 da. 18,815 lbs. milk 3.8% 712.3 lbs. fat
Sire—Pabst Burke Ned
son of
Wisconsin Admiral Burke Lad
To Increase Profits use "Burkes"
C. L. E. EDWARDS, Rt. 9, Topeka, Kan.

FOR SALE RAG APPLE BRED BULLS

Ready for service from son of Montvic Pathfinder and high record Dunloggin bred dams. Write for bull catalog and color marking sketch or come to Whitehall Farm at Herington, Kan.
MOTT & KANDT, Herington, Kan.

SERVICEABLE-AGE BULLS

NOW LEASED OUT, WILL BE FOR SALE **October 1, 1950**



Are Grandsons of Carnation Madcap Marshall whose 3 nearest dams have a record of 1011 lbs. fat.
GILBERT BEAGEL
Alta Vista, Kansas

BULL CALVES FOR SALE

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

AYRSHIRES

MOST PROFITABLE COWS



Big Milkers Hardy Rustlers Good Grazers Perfect Udders
Write for Booklets and List of Breeders near you with Stock for sale
Ayrshire Breeders' Association
260 Center St, Brandon, Va

FOR SALE 2 REGISTERED BROWN SWISS BULLS



Aged 8 and 12 months
Address:
GEO. COOLEY
R. R. Valley Center, Kansas

FOR SALE 2 REG. GUERNSEY BULLS

Coming 2 years old. One sired by Coronation Duncan, whose 5 nearest dams averaged 744 lbs. B. F. Other sired by Meadowlark Double Governor, whose dam has 613 AHI. Show prospects.
P. F. Hansen, Hillsboro, Kan.

HOGS

REGISTERED POLAND CHINA SPRING BOARS AND GILTS



Sired by Sparkle, Manchu's Pride and Bucks Model. Good individuals. Double immune, priced right and ready to go.
GLENN F. WISWELL
Springhill, Kansas

CHOICE SPOTTED POLAND

Spring Boars and Open Bilts for Sale. Best of bloodlines. Low down easy feeding kind.
HENRY G. BLETSCHER, Bala, Kan.

REG. SPOTTED POLAND CHINAS

Spring Boars for sale. Double immune. Best of breeding.
ROY G. KELLER, Berryton, Kansas

REGISTERED SPOTTED POLAND CHINA Boars and gilts sired by four leading boars: Raymond's Rocker, Television, Hi Vigor and Kelly Kid. Double immune. For information write or call **GEO. RAYMOND, Garnett, Kan.**

REGISTERED MINNESOTA No. 1 SPRING BOARS AND GILTS

Sired by boar from University of Minnesota herd with excellent record of production. Gained 100 lbs. on 295 lbs. of feed.
GERALD FARR, Beloit, Kansas

October 21
Will Be Our Next Issue

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

Friday, October 13

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

SALE

60 SPOTTED POLAND CHINA HOGS

Boars and Open Gilts sired by 10 different boars

Will sell at the

Ness City Sale Barn

October 24, 1950

(NIGHT SALE)

Write to

WALTER ROTHE

Ness City, Kansas

KANSAS SPOTTED POLAND CHINA ASSN. 2ND ANNUAL BOAR and GILT SALE

Hiawatha, Kan.

(Sale barn 1/2 mile W. city limits on Hi. 36)

Tuesday, Oct. 31

Tops from leading herds. For catalog write

H. E. Holliday, Sec., Richland, Kansas

D. F. Blanke, Sale Manager

Taylor and Martin, Auctioneers

REGISTERED SPOTTED POLAND CHINA BOAR AND GILT SALE

October 23 — 1 P. M.

Fairbury, Nebraska

at the Fair Grounds

40 HEAD OF BOARS AND GILTS

Featuring the junior champion and top boars in Kansas and Nebraska.

Send now for your catalog to

WAYNE L. DAVIS

Mahaska, Kansas

REGISTERED SPOTTED POLAND CHINA BOAR AND GILT SALE

October 16 — 1 P. M.

at Fairbury, Nebraska

at the Fair Grounds

50 Head. Spring Boars and Gilts, a few Sows and Litters.

Top winners at Kansas and Nebraska Fairs. Mostly sired by the sire of the junior champion of Nebraska State Fair. Also some daughters and sons of the grand champion sow. For catalog address

H. J. McKEEVER, Mahaska, Kansas

FOR SALE

Extra Good Registered

Spotted Poland China Boars

Sired by the Kansas State Fair grand champion boar of 1950. Double immune, priced right. Don't forget our Fall Sale at Hutchinson.

EARL J. FIESER, Norwich, Kan.

REGISTERED SPOTTED POLAND CHINA BOARS AND GILTS

Related to the winners at the 1950 Kansas State Fair. Double immune. Good quality and reasonably priced. Don't forget our Fall Sale at Hutchinson.

HOWARD WHITFIELD, Arlington, Kan.

SPOTTED POLAND CHINAS

Bred Gilts, also a few sows with litters. Litters sired by our Wide Ace boar, the blue-ribbon-winning boar at the big fairs in 1950. Also a few fall gilts and boars. Double immune. Priced right and ready to go.

THE HOLLIDAY FARM

Route 1, Augusta, Kan.

Reg. Spotted Polands

Boars and Gilts sired by Diamond X, grand champion Kansas Free Fair 1950. Write or visit

SUNNYBROOK FARM, Richland, Kan.

H. E. HOLLIDAY, Owner

SPOTTED POLAND CHINAS

Boars for sale. Registered and double immune.

See or write

RANDALL TUCKER, Codell, Kansas

Public Sales of Livestock

- Aberdeen-Angus Cattle**
- October 7—Northeast Kansas Aberdeen-Angus Association, Harry Dandiker, Sale Manager, Hiawatha, Kan.
- October 10—Dave & Margaret Miller, Smithville, Mo. J. B. McCorkle, Sales Mgr., 3850 A.I.U. Bldg., Columbus, Ohio.
- October 18—Heart of America Show and Sale, American Royal Building, Kansas City, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
- October 28—Karl & Henry Zimmerman, Maryville, Mo.
- October 30—Wyman Berry Dispersion Sale, Maysville, Mo. (Sale at Albany, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.
- November 9—Kansas State Angus Association Sale, Hutchinson, Kan., State Fairgrounds. Don Good, Secretary, Kansas State College, Manhattan, Kan.
- November 16—Kansas Aberdeen-Angus Breeders Sale, Hutchinson, Kan. Don Good, Secretary, Manhattan, Kan.
- December 14—Kansas Aberdeen-Angus Breeders' Association, Dodge City, Chet Bare, Sale Manager, Protection, Kan.
- Ayrshire Cattle**
- October 24—Mid-Kansas Ayrshire Sale, Newton, Kan.
- Brown Swiss Cattle**
- October 11—Fred J. Lauterbach, Martell, Nebr.
- October 18—Tri State Breeders' Sale, Topeka, Kan. Ross R. Zimmerman, Secretary, Abbyville, Kan.
- Guernsey Cattle**
- October 25—Kansas State Guernsey Sale, Hutchinson, Kan. Write C. J. Graber, Newton, Kan., for catalogs.
- Hereford Cattle**
- October 9—Emmadine Farms, Inc., Breckenridge, Mo.
- October 11—Windsor Place, Boonville, Mo.
- October 14—CK Ranch Calf Sale, Brookville, Kan.
- October 20—R. D. Ely Hereford Production Sale, Attica, Kan.
- October 23—O'Bryan Ranch, Hiattville, Kan.
- October 26—L. R. Weaver Dispersion, Moundridge, Kan.
- October 30—John Spencer Dispersion, Wetmore, Kan. Sale at Marysville, Kan.
- November 2—Loren Porter, Quinter, Kan.
- November 3—Cowley County Hereford Breeders Sale, Arkansas City, Kan.
- November 9—Flint Hills Hereford Sale, Cottonwood Falls, Kan.
- November 11—W. H. Tonn & Son, Haven, Kan.
- November 14—Sunflower Futurity, Hutchinson, Kan. Gene Watson, Sale Manager.
- November 27—Al J. Schuetz and Wm. Belden, Horton, Kan.
- November 27—Sumner County Hereford Breeders' Association, Caldwell, Kan.
- November 29—Lincoln County Hereford Breeders' Association, Sylvan Grove, Kan. Jim Wright, Secretary, Hunter, Kan.
- December 6—All Tredway Hereford Sale, Oakley, Kan.
- December 8—South Central Sale, Newton, Kan.
- December 8—Phil H. Adrian, Moundridge, Kan.
- December 8—Harvey County Breeders Sale, Newton, Kan. Phil Adrian, Secretary.
- December 14—Harry Schlickau, Harper, Kan.
- Polled Hereford Cattle**
- October 10—John Stumps & Son Dispersion Sale, Bushton, Kan.
- October 23—D. H. Cowgill & Sons, Milan, Mo.
- November 15—Central Kansas Polled Hereford Association, Herington, Kan. O. J. Shields, Secretary.
- December 11—Kansas Polled Hereford Breeders' Sale, Hutchinson, Kan., Vic Roth, Sales Manager, Hays, Kan.
- Holstein Cattle**
- October 16—Jacob Enns Holstein Dispersion, Hillsboro, Kan.
- October 23—Central Kansas Holstein Breeders Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Newton, Kan.
- November 2—Kansas State Holstein Sale, Herington, Kan. Raymond Bollman, Edna, Kan., Chairman of State Sale Committee.
- November 6—North Central Kansas Holstein Sale, Washington, Kan. George F. Mueller, chairman sales committee, Hanover, Kan.
- Jersey Cattle**
- November 15—George E. Schurley, Raymond D. Schurley, E. H. Taylor, Manhattan, Kan. Sale at fair grounds, Manhattan.
- Red Poll Cattle**
- October 27—Tri-State Breeders consignment sale, Topeka, Kan. John E. Leoppke, Sales Manager, Penalosa, Kan.
- Shorthorn Cattle**
- October 26—North Central Kansas Shorthorn, Beloit, Kan. Edwin Hedstrom, Sale Manager, Mankato, Kan.
- October 31—Mid-Kansas Breeders' Association, Salina, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
- November 4—Hartley Stock Farm, Baxter Springs, Kan. Mervin F. Aegerter, Manager, Seward, Nebr.
- November 10—Kansas Shorthorn Breeders Sale, Hutchinson, Kan. Lot Taylor, Sale Manager, Manhattan, Kan.
- Milking Shorthorn Cattle**
- October 20—Kansas State Milking Shorthorn Sale, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
- October 21—Nebraska Milking Shorthorn Fall Sale, Fairbury, Nebr. Max Kimmerling, Sale Manager, Beatrice, Nebr.
- October 25—North Central Kansas District Milking Shorthorn sale, Salina, Kan.
- November 9—McBerson County Milking Shorthorn Sale, C. O. Heidebrecht, Secretary, Inman, Kan.
- Polled Shorthorn Cattle**
- October 9—F. T. Brown & Son, Oxford, Nebr. Mervin F. Aegerter, Sale Manager, Seward, Nebr.
- October 18—L. W. Thieman, Concordia, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.
- October 23—Missouri Polled Shorthorn Association, Sedalla, Mo. Rollo E. Singleton, Sales Manager, care State Department of Agriculture, Jefferson City, Mo.
- November 9—Kansas State Polled Shorthorn Breeders Sale, Hutchinson, Kan. Lot Taylor, Sale Manager, Manhattan, Kan.
- Duroc Hogs**
- October 7—Willis Huston, Americus, Kan.
- October 10—Kansas State Duroc Breeders' Boar and Gilt Consignment, Horton, Kan.
- October 11—(Night sale) Fred Farris, Faucett, Mo.
- October 13—Hardenberger & Davis, Fairbury, Nebr. (night sale).
- October 14—Kansas State Duroc Breeders' Boar and Gilt Consignment, Abilene, Kan.
- October 23—Irvin French, Sparks, Kan.
- October 24—North Central Kansas Duroc Breeders, George Wreath, Sale Manager, Belleville, Kan.
- October 30—Earl Martin, DeKalb, Mo.
- Hampshire Hogs**
- October 14—John Fruit, Edgerton, Kan. (Sale at Paola.)
- October 21—R. E. Bergsten & Sons, Randolph, Kan.
- November 25—Northwest Missouri Breeders' Association, St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

POLAND CHINA BOAR and GILT SALE

Monday, October 16, at the farm

A very select offering includes 2 boars by Dress Parade: dam, Challenger's Beauty. A real pair, and full brothers to Grand Parade, junior and grand champion of the 1949 Topeka Fair. These will please. Also a pair of outstanding gilts from this mating. Two boars by Dress Parade: dam, Rowe's Choice by Wonder Boy, 1949 Kansas champion. A top boar prospect by Dress Parade: dam, Mixer's Queen by Mixer's Buster, junior champion at Missouri.

A show and herd boar prospect, Deluxe by Dress Parade, dam a full sister to Wonder Parade in the Reed herd. This pig has style, class and balance to suit. He stand on legs well placed, has a real head and plenty of length, this pig can develop into one of those better sires. 3 boars by Invincible, Smooth Princess 2nd by Win Gold. Very heavy boned and rugged. Good type. An outcross for old customers. 2 boars by Invincible: dam, Miss Wonder by Wonder Boy, the Kansas champion. Firm fleshed and with feeding quality. Our winnings at the 1950 Free Fair in Topeka are: 2nd and 3rd prize senior boar pig. 3rd and 5th junior boar pig. First and junior champion senior spring gilt. 3rd prize senior spring gilt. 5th prize junior spring gilt. junior champion gilt in 4-H. These all sell. Grand champion sow on Challengers Beauty. Offering 2 top boars out of this sow are in the sale. These 2 boars are full brothers to the 1949 grand champion.



For catalog write to C. R. ROWE & SON, Scranton, Kan.

Mike Wilson for Kansas Farmer

A Sale Offering Produced by Champions

AT AUCTION

(at the farm) at 1:00 P. M.

October 17, 1950

Elmo, Kansas

We have produced such champions as Wonder Boy, 1949 Kansas State Fair grand champion, Grand Parade, 1949 Topeka Fair grand champion, and Chieftain, grand champion at Ohio and Indiana.

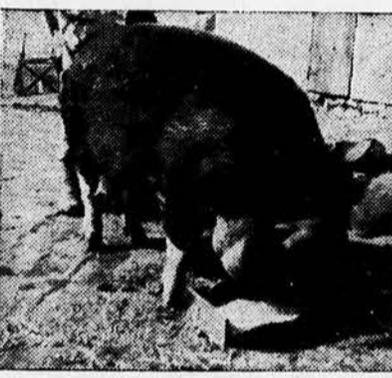
Our sow herd consists of the top gilt at Tiemeyer's, 1st yearling at Kansas State Fair, daughter of Black Decision, 1949 Nebraska grand champion, Broad Top, "the Sire Supreme," and Miss Chieftain, our 950-lb. sow, and many others.

"Everyone who has purchased hogs from J. J. Hartman has been more than satisfied, and he has another bunch of satisfiers on their way. Be on the seats sale day."

Write for catalog to

J. J. HARTMAN & SON

Elmo, Kansas



K. F. H. W. SPOTTED POLAND BOAR and GILT SALE

Oct. 24, State Fair Grounds, Hutchinson, Kan.

The Konkel consignment will consist of animals related to his first prize aged boar, Vigro's Passport. The Fieser consignment will be descendants of his recent grand champion boar at the Kansas State Fair, Chief Control. The Holliday consignment will be boars and gilts of the same extraction as his first prize junior yearling Wide Ace boar at Topeka, the Kansas Free Fair. The Whitfield consignment will be boars and gilts including his 5th prize senior spring boar at the Kansas State Fair. There will be 24 Boars and 24 Gilts in this great auction.

The consignors are: Dale Konkel, Haviland, Kan.; Earl Fieser, Norwich, Kan.; A. Owen Holliday, Douglas, Kan., and Howard Whitfield, Arlington, Kan.

Dale Konkel, Haviland, Kan., Sale Mgr. Ron Martin, Auctioneer

OUR FIRST ANNUAL SPOTTED POLAND CHINA SPRING BOAR AND GILT SALE

(Night Sale) North Central Kansas Free Fair Grounds

OCTOBER 23 — BELLEVILLE, KAN.

50 HEAD. 1 litter out of the reserve senior champion at the Missouri and the Nebraska State Fairs in 1950. A large portion of this offering is sired by Giant Sensation Jr., second place boar at the 1950 Missouri, Nebraska and Kansas State Fairs. He also stood in first place at the Kansas Free Fair in Topeka. This offering has been carefully selected and very cautiously raised. They have been handled with the idea in mind that they will go out in the hands of their new owners and give a good account of themselves in the future.

For catalog write ED FACHTA, Belleville, Kansas



This Is It—Look—Read—Be There
The Central Kansas Holstein Breeders Fall Consignment Sale
 Kansas State Fair Grounds
Hutchinson, Kan., Monday, Oct. 23, 1950
A Mid-Century Event
80 HEAD — REGISTERED HOLSTEINS — 80 HEAD
From 24 Consignors From 5 States



Ernest A. Reed & Sons, Lyons, Kan. — Send an all-Star cast of 6 head including a young son of "Patsy" who is headed for 800 fat this time, on 2 X. 5 Females all with high records. You will be 50 years ahead to purchase from this consignment from the nations highest producing herd in the U. S. in 1949.

W. S. Buckley, Garden City, Mo. says its the greatest consignment to ever leave Breezey Lane Farm. No. 1 the all-Missouri heifer calf 1950, and her sister, 1 year older; their dam V. G. and best uddered cow at Missouri State Fair 1950, 504 fat 2 X 4.3% test. And the bull is a maternal sister to the (Ex) Glantz at Neale Farms and to Honey Bee last years sale topper, and 1st senior yearling at Kansas State 1950.

Marlow Holstein Farms, Mankato, Minn. (Marlow & Rahbek) send 2 Heifers—daughters of their Hartwood Marlow Prince Alma Burke sire. J. C. says "they have never bred a better one than 'Fondness.'" Every record on her dam over 500 fat.

Adams Acres, Broken Arrow, Okla.—A daughter of "Golden Cross," she is G. P. 515 fat. A heifer calf from a 496 F dam, sired by "Ace"; a show cow due sale time; and "Arleens" son sired by Willow Springs Crescent Ace. Arleen is headed for 800 fat and her older son was grand at Hutchinson, 1950.

Henley & Wittrock, Falls City, Nebr., send 5 head, including 3 (Very Good) cows, a Good Plus, and a son of "Carol" V. G., she a 3 quarter sister to "Annabelle" the Texas state sale topper. And his sire is a son of Roland Ramseys' Clyde Hill, son of "Daisy."

R. C. Beezley Girard, send a V. G. daughter of the (Ex) Lou Ormsby Lad. She has 610 fat 4.4%; a G. P. daughter of Lou Ormsby Lad and a daughter of Dunloggin Master De Pabst. High records, proven blood. Here is seed stock.

R. S. Lyman, Burrton, rings the bell with 5 bred heifers, they are from high record dams and they are bred to a Heersche bull whose dam is the highest record daughter of the Polkadot Gold Medal sire. He sells, also.

St. Josephs' Home, Abilene—An own daughter of the (Ex) Gold Medal Sir Bess Tidy. She is Good Plus and will be fresh by sale day. And get this, a son of Markmaster, from St. Joseph Tidy Alzada all-Kansas 2-year-old, V. G. This is your herd sire. Also—a open heifer by Markmaster.

Francis Todd, Abilene, sends a granddaughter of "Tidy" fresh by sale day.
Clarence Hinck, Linn, sends 3 cows, young, good records. 2 are bred to a 587-lb. fat Burger bull.

Albert Ackerman, Sabetha, sends 2 open heifers from the heart of this old line bred herd. Bull on Ackerman blood, the home of good udders.

Gordon Bailey, Pratt, his "Tidy Queen" and she will be fresh sale day.
Grover Meyer, Basehor, tops his consignment of 5 head with a (V.G.) 613 fat cow; 2 Rag Apple Starlights; an open heifer from a 408 fat dam; and a U-Mo bred son of a dam with 532 fat and going over 600 fat this time.

E. B. Regier, Whitewater, sends 1 only, and she comes from the heart of the Regier brood cow program, bred to Heersche King Polkadot, his dam 740 fat. This is it.

Paul L. Fickel sends a real bull from a (V. G.) dam with 610 fat 2 X 4.2%. He could top the sale again. And 2 bred 2-year-olds. Buy into this square set herd of cattle. They are dairy, too.

W. H. Mott, Herington, sells a granddaughter and grandson of Pathfinder, a real 2-year-old, and 5-year-old cow.

K. Dale Werner, Sharon, consigns a 501-lb. 4-year-old due soon after sale.
Donald Hopkins, Clearwater, a 4-year-old from a dam with 3 records of 500 fat.

Leo Fickel, Thayer—3 young cows, 1 due sale day, and others shortly after.
A. F. Miller, Haven—2 cows, and both due sale time.

Waldo Mueller, Halstead—2 cows and a line bred typy young bull, from 428-lb. dam.

Bernard Fickel, Clay Center—2 open heifers and a 2-year-old due sale day from a (V. G.) dam with 610 fat.

Rottinghaus & Draney—3 head; a cow and 2 heifers, all bred to the Poblano bull whose dam is (Ex) with great production on 2X.

Charles Howard, Burrton, send a daughter of Starwood Triune Gov.; a daughter of Posch O. Fobes 14th; and a lovely heifer calf.

We ask you to come sale day and see this offering, they will satisfy the buyer of foundation, and those asking for production with type. The bulls are even better than last year. Your herd sire problem can well end October 23, at Hutchinson. Attend this Mid-Century Holstein Progress Event—Individual health certificates.

The sale force: **Robt. (Bob) Stanley, Hynes, Calif.**; **Chas Cole, Wellington**
Mike Wilson with Kansas Farmer

Send for catalog to **T. HOBART McVAY, Sale Manager, Nickerson, Kan.**

Calling All Holstein Folks Attention:
TO THE 8TH ANNUAL
KANSAS STATE HOLSTEIN SALE
 to be held at
Herington, Kansas
Thursday, November 2, 1950



The 8th Annual State Sale, sponsored by the 500 member breeders of the Holstein-Friesian Association of Kansas. This year 44 breeders have permitted the sale committee to select 75 head of Kansas' best Holsteins for this event.

10 Bulls selected by the committee, because of their type and production.
 65 Females consisting of Cows, Bred Heifers and Open Heifers.

Then Do Not Forget — 4-H Heifer Sale
 The offering of 15 or more heifer calves, born after July 1, 1950, to be sold at 11 o'clock the morning of the 2nd, before the adult sale. Only 4-H and FFA members can purchase these calves.

Plan now to be in Herington, November 2nd, and attend Kansas's greatest Holstein Consignment Sale event. Also, do not forget the Annual Banquet, the evening preceding the sale. Where jolly good Holstein folks meet each and every year.

A sale sponsored and operated by the **HOLSTEIN-FRIESIAN ASSOCIATION OF KANSAS** Under the sole direction of the state sale committee:
Raymond Bollman, Edna, Chairman; R. L. Evans, Hutchinson, and Grover G. Meyer, Basehor

AYRSHIRE CONSIGNMENT SALE
Newton, Kansas, October 24
 Sale at 12:00



60 HEAD 60

A choice of cows, some fresh and heavy springers. A select group of bred heifers, some just ready to freshen. Yearling heifers and heifer calves. A few very select bulls, some old enough for service.

10 calves, especially selected for Club calves and only to be bid on by 4-H and FFA members. Members should bring letter or other proof of their membership to the sale. These cattle are sired by and bred to some of the leading approved bulls of the breed. Many of the cows and heifers in this consignment have official production and type classification records. An opportunity to buy some of the best.

Write to Sale Manager **DWIGHT E. HULL, El Dorado, Kansas**
 Auctioneers: **Mike Wilson, Walter Hand and Rudy Kriebel**

ANNOUNCING A PARTIAL DISPERSAL
OF OUR MILKING HERD OF
REGISTERED JERSEYS



at the
Kansas State Fair Grounds
1:00 O'clock, Tuesday, October 31

35 Head of Cows, mostly fresh or heavy springers. 3 Yearling Bulls, ready for service. A few Heifers and Heifer Calves.

All have life time production records and most are classified for type. A good lot of high-producing cows with records up to 600 lbs. of fat. There will be a few head consigned from the herd of A. L. Miller, Partridge and O. J. Gould, Nickerson.

For catalog and information contact
RAY E. SMITH, Route 2, Hutchinson, Kan.

A Great "Breed Opportunity" Sale of
REG. MILKING SHORTHORNS
 At the State Fair Grounds, Hutchinson, Kansas
Friday, October 20---1 P.M.



44 Females --- 4 Bulls

20 Cows classified or good enough to be classified Good Plus, Very Good, and a few could possibly be rated higher. 15 of these have qualified for the Record of Merit.

12 Bred Heifers and 12 Yearling and Open Heifers backed by good breeding, type and production. You will like them.

4 Bulls of herd-heading quality out of RM cows classified Very Good and Excellent.

These cattle have been selected on their own merits and the merits of their ancestors and should prove to be useful and profitable to the new owners. Many should also make good 4-H and FFA projects. There will also be a few heifer and bull calves less than 30 days old.

This sale is sponsored by the Kansas Milking Shorthorn Society. Breeders have sacrificed these good cattle for your appraisal and this is your opportunity to invest in "The Breed That Fills Every Need."

For sale catalog write
KANSAS MILKING SHORTHORN SOCIETY
 Inman, Kansas

Auctioneers: **Gus Heidebrecht, Inman; E. Glenn McCormick, Cedar**

Announcing NORTH CENTRAL DISTRICT SALE OF



MILKING SHORTHORNS

At the County Fairgrounds, Salina, Kansas
Wednesday, October 25---1 P.M.

This sale is sponsored by breeders of the North Central Milking Shorthorn District and they are offering some outstanding animals that should please. You will like these selected useful cattle and should attend.

The offering includes 10 Cows (4 of these RM); 8 Bred Heifers; 6 Open Heifers; and 6 Bulls of different ages.

For catalog write **CHESTER H. ROLFS, Secretary, Lorraine, Kansas**
 Auctioneer: **Gus Heidebrecht, Inman, Kansas**

Fifteen Kansas Breeders Sell in the
FOURTH ANNUAL TRI-STATE
BROWN SWISS SALE
 Sale at the Kansas Free Fair Grounds
TOPEKA, KAN.



Wednesday, Oct. 18, 12:30 P. M.

45 HEAD—5 carefully selected bulls. The kind that will suit discriminating buyers. 16 cows, 24 bred and open heifers. The type, production, and breeding were all given careful consideration when the females were selected for this auction.

KANSAS CONSIGNORS—Henry Duwe, Freeport; Ted Friesen, Garden City; Garden City Experiment Station; Green & Chamberlain, Topeka; Clyde Husted, Lawrence; Robert Latta, Carlisle; Longacker, Lawrence; C. D. Sluss, El Dorado; Curtis Unger, Burden; Earl Webber, Arlington; F. M. Webber, Kingman; Roy E. Webber, Kingman; G. A. Weeks, Lawrence; Ross W. Zimmerman, Abbyville.

7 MISSOURI AND 2 NEBRASKA BREEDERS ARE CONSIGNING TO THE KAN-MO-NEB SALE! Health—A. Tb. and Bang's tested offering. Sound udders, disease free and "guaranteed to be in calf" stressed in this sale.

Catalogs on Request to **ROSS ZIMMERMAN, Sale Secretary, Abbyville, Kan., R. 1**
 Auctioneers—**Bert Powell, Topeka; Chas. Cole, Wellington; Glen McCormick, Cedar.**
Mike Wilson Representing Kansas Farmer

MID-KANSAS SHORTHORN BREEDERS SHOW AND SALE

Tuesday, October 31st, 1950
Saline County Fairgrounds

Show at 9:00 A. M. — Bill Thorne, Lancaster, Kan., Judge
Sale at 1:00 P. M. — Bert Powell, Auctioneer



45 TOP BULLS
20 BEAUTIFUL FEMALES
25 CLUB CALVES
To Sell at 12:00 P. M.

In these Salina sales which are held each spring and fall, you can be assured of finding the best Shorthorn bulls and females that are being produced in the Middle West. Because of the quality of its consignments, it is fast becoming "bull headquarters" for buyers over an 8-state area. You will find a large group of strong age herd bulls, several cows with calves at foot, and an exceptionally fine string of bred and open heifers.

EVERY ANIMAL IS TB. AND BANG'S TESTED

Learn more about this fine offering by writing today for the catalog.

Address—MERVIN F. AEGERTER, Sale Manager, Seward, Nebraska
Sponsored by

MID-KANSAS SHORTHORN BREEDERS' ASSOCIATION

President, Arthur Nelson, New Cambria Vice-President, Milton Nagely, Abilene
Secretary-Treasurer, Grant Seim, New Cambria John C. Sauervin, Salina, C. of C.
Sale Committee: J. H. Bowser, Abilene; Earl Stoffer, Abilene; Carl E. Peterson, Assaria

CONSIGNORS	BULLS	FEMALES
RICHARD TINDELL, Burlingame	2	0
LAWRENCE R. SMITH, Gorham	1	0
R. M. COLLIER & SON, Alta Vista	4	3
BARBARA BAYLES, Garrison	1	0
JOHN A. MORGAN, Rt. 2, Hutchinson	1	0
ED J. NIERNBURGER, Box 232, Ellis	2	0
GEO. J. WETIA, Andale	2	0
WM. T. KOENIG, Morganville	2	0
ARTHUR NELSON, New Cambria	2	2 (club calves)
C. M. C. SHORTHORN, Rt. 2, Salina	0	0
TOMSON BROS., Wakarusa	4	6
I. J. SPITZER, Grigston	2	0
JOHN K. GLANVILLE & SONS, Marienthal	1	1
PALMER DIETZ, Galatia	2	0 (club calves)
EARL STOFFER, Abilene	2	0
ADAM DIETZ, Galatia	0	0
WILL T. MOLYNEAUX, Palmer	2	0
W. A. YOUNG, Clearwater	1	1
D. A. REUSSER, Wellington	2	0
JULIUS OLSON, Leonardville	2	2
HARLOW PETERSON, Ada	0	1
GRANT SEIM, New Cambria	2	0
WAYNE SEIM, New Cambria	2	1
NANCY JO NELSON, New Cambria	1	0
S. B. AMCOATS, Clay Center	1	0
MR. and MRS. WEBSTER G. OLSON, Clements	1	1
McILRATH BROS., Kingman	3	0 (club calves)
ALVIN OTTE, Great Bend	1	0
GERHARD HÖMMERTZHEIM, Andale	1	0

The Quality Sale of the Year

SIMON ANGUS FARM

October 14 --- Madison, Kan.

7 BULLS --- 56 FEMALES



Get of Everbest Prince. This get has been winning at all the shows—Great Falls, Billings, Wyoming State Fair and the Colorado State Fair. The biggest end of the cattle selling, are sired by Everbest Prince.

These 7 Bulls are sired by bulls like Everbest Prince, Prince 500th of Bates, Master Prince 2d, Prince Envious of Bates, Prince Eric of Sunbeam and Black Prince 2d of Paris. You can select a bull with real confidence from this top group of herd bull prospects. In our offering of 56 females included are the tops from our show herd. All are sired by known bulls and from such tribes as the Black Besie, Gammer, Ballindalloch Georginas, Jilts, Edwina Chimeras, Maid of Bummer, Barbarosa, McHenry Barbaras and many other of the top families. All are top foundation stock. Featuring the get and service of Prince 500th of Bates and Everbest Prince.

For catalog write

SIMON ANGUS FARM

Madison, Kansas

Auctioneer: Roy G. Johnston

Mike Wilson for Kansas Farmer

North Central Kansas Shorthorn Breeders SHOW AND SALE

THURSDAY
October 26
Show 9 A. M.



Beloit, Kansas

H. H. Shearer Sale Pavilion

Sale 1 P. M.

BULLS

FEMALES

Many ready for heavy service Outstanding individuals with the most desirable bloodlines.

CONSIGNORS:

H. D. ATKINSON & SON, Aimena	JULIUS OLSON, Leonardville
RALPH L. BAYLES, Garrison	C. D. PAXSON, Esbon
EMERSON S. GOOD, Barnard	ANDREW PETERSON, Beloit
S. A. HILL, Smith Center	LEO SCHMITZ, Marysville
KARL LENHART, Clay Center	R. R. WALKER & SON, Osborne
MATT MORITZ, Tipton	DALE OLSON, Leonardville

This 17th offering of Pure Bred Shorthorns will please you. Plan to attend the annual banquet and election of officers of the association at 7:30 P. M. on Wednesday, October 25.

Several choice steer calves suitable for 4-H Club and FFA projects will be sold at 12 noon, October 26.

For catalog and other information write

EDWIN HEDSTROM, Secretary, MANKATO, KANSAS

Bert Powell, Auctioneer

ANNUAL TWO-STATE RED POLL SALE

Breeders from Kansas and Missouri are consigning to this annual Red Poll sales event. Sale held at the Kansas Free Fair Grounds—

Topeka, Kansas, 1 P. M., Friday, Oct. 27

SELLING 40 HEAD

The Sales Offering—10 Bulls; 7 Cows, 2 with calves at side; 21 Bred and Open Heifers. Dual-purpose cattle that represent the desirable bloodlines of this breed. Become better acquainted with this breed by attending this auction. HEALTH—A Tb. and Bang's tested offering. SALE CATALOGS—Write to—

J. E. LOEPPKE, Penalosa, Kan., or L. H. ISSACS, Wheeling, Mo.

Auctioneer: Bert Powell Mike Wilson with Kansas Farmer
Sale Headquarters—Hotel Jayhawk, Topeka, Kansas. Banquet for those interested in Red Polls at 8 P. M. evening preceding sale at Hotel Jayhawk.
Parade of sale cattle in sales arena at 10:30 day of sale.



Announcing Annual Fall Sale of the Kansas Shorthorn and Polled Shorthorn Breeders Association

State Fair Grounds

Hutchinson, Kansas

Polled Cattle Sell on Nov. 9
The Horned Cattle, Nov. 10



A banquet for all breeders will be held at the Wiley Tea Room, the night of November 9. The show will start each day at 8:30 and the sale at 12:30. This offering is selected from the leading herds in Kansas of both Polled and Horned breeders.

For catalog and other information write LOT TAYLOR, Secretary of the KANSAS SHORTHORN BREEDERS' ASSN., Manhattan, Kan.

J. E. Halsey and C. D. Swaffer, Aucts.

Mike Wilson for Kansas Farmer

Beef CATTLE

ABERDEEN-ANGUS BULL

For Sale. Age 18 months. Tarkio breeding. Also 2 registered cows and 2 grade cows.

JOE JAUERNIG, Rt. 4, Burlington, Kan.

REGISTERED SHORTHORN BULL

Good bull, 18 months old. Sired by Orange Harvester. Ready for heavy service. Guaranteed.

ALBERT E. SINN, Riley, Kansas

Beef CATTLE

FOR SALE REG. ANGUS BULLS



Herd sire, 4 years old, Bandoller breeding and 10 Yearling Bulls.

JOHN MOORMAN
Rt. 3 Hutchinson, Kan. Phone 5462



Shown are a group of the bull calves selling. They represent such outstanding herd sires as CK Cruiser D 34th, CK Crusty 9th, CK Creator, CK Cascade, WHR Royal Duke 33d, and CK Baca Royal.

Breeders both large and small are finding the kind they like at calf prices in these CK calf sales.

Plan now to buy your future herd bull or matron in this year's sale.

If You Need One or a Carload—CK

CK CALF SALE

October 14, 1950

Saturday before the American Royal. Sale begins at 1:00 p. m.

WRITE FOR CATALOG

CK RANCH On Highway 40 4 Miles West of **Brookville, Kans.**

ANNOUNCING

Spencer Hereford Dispersion

October 30, Marysville, Kan.

MARYSVILLE SALE PAVILION

REGISTERED HEREFORDS
100 LOTS — 110 HEAD



50 Cows, four, five and six years old, some with calves at side and many to calve soon. 14 Bred Heifers. 40 Coming Yearlings calved between January and April, 1950, 30 of them are heifers and 10 are bulls. These cattle consist of the entire herd of

Gordon & Hamilton Registered Herefords, Horton, Kan., purchased in 1946. Bloodlines featured in this offering include WHR Royal Triumph, Tama Triumph's by WHR Triumph Domino 13th and Battle Mischief 7th, also granddaughters and great-granddaughters of WHR True Mold 15th.

For catalog write

JOHN W. SPENCER, Whiting, Kansas

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

BANBURY'S POLLED SHORTHORNS

Note—"Cherry Hill Herd" lead all herds at the Chicago International Show. Our herd sire—Cherry Hill Hallmark—new blood and of the best. See his get at Kansas State Fair.

Males and females—Some of the choicest of the herd for sale. Over 100 in herd officially vaccinated. Farm—23 miles southwest of Hutchinson, 1 mile west of Plevna.

J. C. BANBURY & SONS, Plevna, Kansas



CHERRY HILL HALLMARK

JOHN STUMPS & SON

Polled Hereford Reduction Sale

Sell at the ranch 1/4 mile north, 1 1/2 miles east and 1 1/2 miles north of

BUSHTON, KANSAS

OCTOBER 10, 1950

Sale at 1:00 O'clock

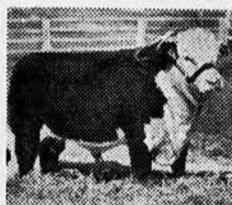
Selling 90 head. 23 Bulls—11 coming 2-year-olds, 14 yearlings. 65 Females—15 open heifers and 50 bred cows and heifers, some with calves by side.

John Stumps & Son, Owners, Bushton, Kan.

For catalogs and information, write VIO ROTH, Sale Mgr., Box 702, Hays, Kan.

Auctioneer: Freddie Chandler Mike Wilson for Kansas Farmer

Spencer Herefords



Sires in service CK Royal Duke 3rd, reserve champion bull 1948 Kansas Futurity. M. H. Royal Tredway 93rd by WHR Royal Tredway 8th. We have sons and daughters of these 2 great bulls in our herd that look like real prospects. Our cow herd consists mostly of descendants of Advance Standway cows from the Gordon-Hamilton herd purchased by us in 1945.

Watch for our dispersion sale this fall.

JOHN SPENCER

Whiting, Wetmore, Kan.

WALNUT VALLEY HEREFORD RANCH

Bulls—Registered Herefords—Heifers 12 bulls one year old, several herd bull prospects and top range bulls. Popular bloodlines and prices. 10 open heifers 15 months old, a quality set.

WATTE BROTHERS, Winfield, Kansas

Dispensing on account of my age and planned retirement at Private Treaty

Registered HEREFORDS

Straight Hazlett and WHR Star Domino breeding. 47 Cows—3 to 6 years old, 24 Bulls—20 months and older, and 21 Bull Calves.

P. F. HANSEN
Hillsboro, Kan.

Good Holsteins

Shetlars Inka Homestead, a registered Holstein-Friesian cow owned by Luther Shetlar, of Conway Springs, has completed an outstanding 365-day production test. The Herd Improvement Registry record of the Holstein-Friesian Association of America shows that 19,359 pounds of milk and 655 pounds of butterfat were produced.

The 15-cow herd of Holstein-Friesians at the Shetlar farm also made a good showing in the official program of the association during the past test year. They produced an average of 12,106 pounds of milk and 412 pounds of butterfat.

Self-feeder Wins

If you think you are saving money by hand-feeding sows and nursing litters, you had better guess again. R. B. Cathcart, Kansas State College animal husbandry department, says:

"Experiments show sows and pigs self-fed will eat more total feed, but that increased gains, more efficient feed utilization, and reduction of labor are in favor of self-feeding. Pigs average about 6 pounds heavier at weaning time where self-fed, and self-fed sows will increase in weight, while hand-fed sows lose weight before pigs are weaned."

Stop Ringworm

Don't let calf ringworm get started among your cattle, says E. J. Frick, of Kansas State College department of veterinary medicine.

Ringworm often appears as bald, grey, round spots on heads, faces and necks of calves. These spots seem to spread thru the herd and also can spread to humans. They are due to a fungus growth that can be readily killed by applying iodine ointment daily to the diseased part and neighboring tissue, says Mr. Frick.

New Record Set

J. E. Sinclair, of Hillsboro, has set a state champion record with his registered Guernsey cow, Lyn-Lee's Ruth 2nd. Her production of 12,150 pounds of milk and 654 pounds of butterfat is highest Herd Improvement Register record for junior 4-year-olds in Kansas in the American Guernsey Cattle Club.

The sire of this cow, Gaylord's Husky Sultan, owned by Dan R. Wohlgenuth, also of Hillsboro, has 4 daughters in the Performance Register of the club.

Dual-Purpose CATTLE

REGISTERED MILKING SHORTHORN COWS

Good breeding and average producers. Springer and yearling heifers sired by Fox's Imperial, grandson of Neralcam Maid 7th. Cows freshen soon by Fox's Imperial.

RAYMOND KESSLER, Sawyer, Kansas

For Sale

COWS, HEIFERS and BULL CALVES

of Polled Milking Shorthorn breed, at my farm 1/2 mile west and 2 miles south of Enterprise. EMMETT POISTER, Enterprise, Kan. Telephone 48F03 Navarre, Kan.

Reg. Milking Shorthorns Complete herd at private sale. Cause—Army induction. 22 head good breeding. ROE LEE, Council Grove, Kan., Phone 1F3; BILL LEE, Wilsey, Kan., Phone 5 on 72.

MILKING SHORTHORNS FOR SALE

Dark red bulls up to 14 months of age. R. M. pedigrees. Also a few cows. J. W. McFARLAND & SON, Sterling, Kan.

Livestock Advertising Rates

1/2 Column inch (5 lines) . . . \$3.00 per issue
1 Column inch \$4.00 per issue

The ad costing \$3.00 is the smallest accepted.

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

MIKE WILSON, Livestock Editor

912 Kansas Avenue

Kansas Farmer - - Topeka, Kansas

• AUCTIONEERS •

HAROLD TONN

Auctioneer and Complete Sales Service

Write, phone or wire Haven, Kansas

Ross B. Schaulis, Auctioneer

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

**Announcing the COWGILL HEREFORD RANCH ANNUAL SALE of
REG. POLLED HEREFORD CATTLE**
Monday, October 23, Milan, Missouri
Sale Starts at 12:30 P. M.

70 HEAD of Registered Polled Herefords
COWS AND CALVES—BRED AND OPEN HEIFERS—15 BULLS
60 HEAD of Grade Heifers—bred to registered Polled Hereford Bulls.
20 HEAD of High Grade Cows and Calves, rebred.
60 HEAD of Good Hereford Steers.



S. R. ADVANCE DOMINO 2ND



MODEST C. LAMPLIGHTER

Featuring the blood of our herd sire SR Advance Domino 2nd; a grandson of Circle M. Advance Domino. Also 20 head sired by him, 11 bred to him.
The service of our junior herd sire, Modest C. Lamplighter, will also be featured in the sale.
The sale will be held rain or shine under cover at the ranch headquarters, 5 miles east of Milan, Missouri.

Write for catalog

COWGILL HEREFORD RANCH, Milan, Missouri

Auctioneer: Col. Guy Pettit

Don Bowman for Missouri Ruralist

**I. R. WEAVER COMPLETE DISPERSION
73 Head of Registered HEREFORDS**



At the farm 3 miles east and 1 1/2 south of
Moundridge, Kansas
3 miles northwest of Hesston just off Highway US 81
Thursday, October 26

12:30 P. M. Sale under cover.

- 24 Cows with calves at side, and rebred to F. R. C. Bocaldo 28th.
- 10 Bred Heifers bred to O. H. R. Tredway son of Royal Tredway 51st.
- 5 Heifers bred to F. R. C. Bocaldo 28th.
- 5 Open Heifers.
- 6 Bulls, Crusader 4th by CK Crusader 58th, O. H. R. Tredway by Royal Tredway 51st, 3 sons of F. R. C. Bocaldo 28th and our herd sire Bocaldo 28th.

For catalog write

I. R. WEAVER, Moundridge, Kan.
R. M. Krehbiel & Son, Auctioneer

**Only the Best Quality Sells at the
HEART OF AMERICA ABERDEEN-ANGUS
BREEDERS ASSOCIATION SALE**

To Be Held During American Royal Week

Wednesday, October 18—12:30 P. M., CST
American Royal Sale Pavilion, Kansas City, Mo.

65 HEAD SELL—13 BULLS—52 FEMALES



CONSIGNORS	Bulls	Females
Anderson, E. H., Chillicothe, Mo.	1	1
Anderson, Lewis, Chillicothe, Mo.	1	2
Angus Valley, Box 575, Tulsa, Okla.	0	1
Benson, H. Ward, Milton, Ia.	0	1
Black Post Ranch, Olathe, Kan.	0	1
Caldwell, G. W. and Ada C., Harlan, Kan.	0	1
Chappell, Glenn and Virginia, Green Castle, Mo.	0	2
Dannenber, Harry R., Gaylord, Kan.	0	1
DeHillmer Farm, Fayette, Mo.	1	2
Denslow, Dr. and Mrs. J. S., Kirksville, Mo.	0	2
Eaton, Charles & Elizabeth, Quincy, Ill.	0	1
Eitel, Frank B. & Sons, Green Castle, Mo.	0	1
Fairview Angus Farm, Junction City, Kan.	0	2
Falling Water Angus Farm, Eureka, Kan.	0	4
Frank, Ivo J., Jefferson City, Mo.	1	1
Green Valley Farms, Liberty, Mo.	0	2
Lancaster & La Vol, La Grange, Mo.	1	1
McLean, J. C., 822 Hampshire, Quincy, Ill.	1	1
Melvin's Angus Farms, Greenfield, Ill.	1	1
Miller Dan and Perry Phillips, Columbia, Mo.	0	2
Moore Bros. (Angus Acres), Gardner, Kan.	0	1
Moritz, Grover C., Kirksville, Mo.	0	2
Nobis, Otto G., Davenport, Ia.	0	1
Ozark Valley Farms, Mountain Grove, Mo.	0	2
Penney & James, Hamilton, Mo.	1	5
Phillips, Perry, Box 487, Columbia, Mo.	1	1
Sherard, E. L., 1336 Walnut, Kansas City, Mo.	1	0
Simon's Angus Farm, Madison, Kan.	0	2
Sunflower Farm, Swartz Bros., Everest, Kan.	1	1
Thornton, J. F., New Berlin, Ill.	0	2
Timber Top, T. A. Muir & Sons,	0	4
Tipton, Ernest M., Jefferson City, Mo.	1	0
Young, Buddy, Route 2, Liberty, Mo.	1	0
Winn-Larr Farms, Mr. & Mrs. Larry S. Beck, Smithville, Mo.	0	2

NEW TYPE SALE—Only the very choice lots have been picked for this big sale—13 Bulls that are excellent select herd bull prospects. 52 Young Females out of well-known families. For those who want excellent cattle to improve their herd, don't miss the Heart of America Aberdeen-Angus Breeders Association's Sale October 18 at the American Royal.

Send Your Catalog Requests to DONALD J. BOWMAN, Sales Manager, Hamilton, Mo.

ORIN JAMES, President Penney & James Farms Hamilton, Mo.

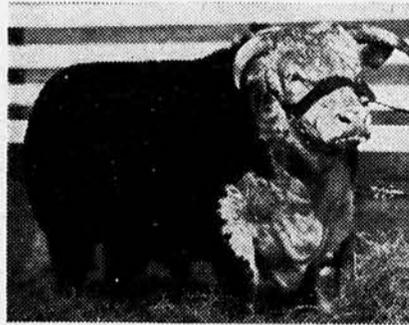
S. E. FIFIELD, Treasurer Black Post Ranch Olathe, Kan.

L. S. BECK, Secretary Winn-Larr Farms Smithville, Mo.

Auctioneer: ROY G. JOHNSTON Belton, Mo.

Judge: "DAD" WEBBER Kansas State College of Agriculture

Your Invitation to the R. D. Ely



**HEREFORD
PRODUCTION
SALE**



October 20, Attica, Kansas

At the Farm—Look for the Signs

85 Head 30 Bred Heifers 30 Open Heifers
11 Bulls Serviceable Age, 14 Bull Calves

The 60 females offered for sale are as richly bred Hazlett cattle as you will find anywhere. They are smooth, straight and the easy fleshing kind. The 30 bred heifers were all calved in the spring of 1948 and represent the very tops of our herd. The 30 open heifers were calved in the spring of 1949. They are well grown out and are ready to breed now. We believe that you will agree with us when we say that we think that this is one of the most uniform sets of females ever offered at auction. The 14 bulls that are selling are all serviceable age herd bull prospects and top commercial bulls; they are the same uniform type and quality as the heifers; the 14 bull calves are a year younger and of the same general type. The entire offering that is selling are sired by our three featured herd sires, Bocaldo Tone T. 2nd, E. Major Rupert 27th, and E. Beau Rupert 16th.

The Ely herd is rich in the blood of Hazford Tone, Hazford Tone 76th, Hazford Tone 74th, Hazford Rupert 25th, Bocaldo 6th and Hazford Rupert. These are the bloodlines that made the Robert H. Hazlett herd great. You will find all of these names up close in the pedigrees of all our cattle.

**Why Don't You Own Some of
"Ely's, Easy-Fleshing Herefords"**

For Catalog Write to

R. D. ELY, Owner, Attica, Kansas

W. H. Bill Heldenbrand, Auctioneer

Mike Wilson for Kansas Farmer

**ATTEND THE
O'BRYAN RANCH
HEREFORD SALE
OCT. 23, 1950
Hiattville, Kan.**



Joe O'Bryan and some of the good O'Bryan Ranch Herefords.

102 LOTS

Including: 25 bred heifers . . .
25 cows . . . 5 horned
bulls . . . one polled bull
by Beau Perfect 246.

FEMALES WILL BE BRED TO BACA DUKE 105TH
(three quarters brother to the \$65,000 Baca Duke 2d), ALF Choice Domino 11th, and ALF Battle Mixer 10th.

Also Selling . . .

**50 Steer Calves
25 Heifer Calves**

These calves will be suitable for club work.

FOR SALE INFORMATION WRITE

O'BRYAN RANCH

JOE O'BRYAN
HIATTVILLE, KANSAS

Auctioneers: Jewett Fulkerson and Gene Watson

**A GOOD NORTHWEST MISSOURI
ANGUS HERD TO BE DISPERSED**

Sale at the Highway 71 Sales Pavilion in South Edge of
Maryville, Mo.

The date is

Saturday, October 28



72 LOTS—35 Cows with Calves; 25 Bred Heifers; 10 Open Heifers; 2 Bulls
Featuring the get, service and sale of these 2 bulls, Eric Prince M. 10th, a son of Bar Prince of Sunbeam, and Prince 4th D. D., a grandson of Prince Sunbeam 100th. We have popular Angus families and our cattle are not highly fitted.

This Sale is Held to Settle a Partnership.

Write for catalog to KARL ZIMMERMAN & SON, Maryville, Mo.
Auctioneer: Roy Johnston

Donald Bowman with this publication.



**Helps Livestock
GET EXTRA
FEEDING VALUE
From Your Feed!**

The more nutritional value livestock rations have, the more profit your farm animals will show. Since much of today's grass, grain and other farm-grown feeds are mineral poor, it's just good sound feeding practices to add Occo Mineral Compound and Occo-Lak to rations regularly.

Occo Mineral Compound and Occo-Lak furnish the low-cost way to help mineral balance all your feeding programs. This proper mineral balance, as you know, promotes a higher conversion of feed—more feed is turned into fast, thrifty gains, better health and higher production. And, since Occo does help livestock get greater good from what they eat, feeding costs are also cut.

You'll like the way Occo Mineral Compound and Occo-Lak fit easily and inexpensively into any feeding program. Start the profitable Occo Feeding Way today. Get all the facts from your nearby Occo Service Man, or write us direct for this information.



Occo MINERAL COMPOUND TO LIVESTOCK AND POULTRY RATIONS

Just Enough Controls

(Continued from Page 5)

membership in the United States is connected with the nation's basic industries. Idea is to concentrate power over the industrial economy in a few hands; at the same time, slip into positions of power in government people who believe a small government bureaucracy ought to own, manage or control all property and persons. How many of these there are in key positions in Federal government no one outside the Party leadership knows; Whittaker Chambers said Alger Hiss was only one of many; in some respects a not too significant figure.

One way to capture control of a nation and its people is thru power of taxation. If the Planners win in the coming November elections, and take over control of the 82nd Congress, they can use the "war emergency" to boost federal expenditures from 60 billion dollars to perhaps as much as 75 billion dollars. The 81st Congress, in the session just adjourned, appropriated more than 60 billion dollars, 55 billion to be expended the current fiscal year.

A 60-billion-dollar budget means \$400 for every man, woman and child in the nation; in other words \$1,600 a year for an average family of four. That comes to about \$30 taxes a week per family, if the Federal government should go on a "pay-as-you-go" basis—which it won't. But the tax bill will be there, just the same. The part of it borrowed will be added to the national debt, now some 267 billion dollars, drawing interest.

Washington expects the Korean war will be over by winter. Whether another will break out, say in Indo-China, Iran, even Germany, no one is sticking his neck out to predict. In Korea there may be months, years, of guerrilla fighting.

No announcement has been made whether United States forces—masquerading as United Nations forces—will go beyond the 38th parallel into North Korea. Perhaps no decision has been made. To go farther north might be taken as a "dare" to the USSR and Red China to do something about it. Not to go would leave Korea split in two, and "our" South Korea pretty well destroyed by the all-out warring of the last few months.

The direction of our foreign policy, especially in the Far East, is not exactly plain. However, it looks as if South Korea will have to be fed at

United States expense for many months to come, its entire economy rehabilitated. May prove expensive.

Wall Street Journal reports "there is a scramble on to buy farms." Most folks who own farms, a Journal survey shows, are not eager to sell. Where rural real estate is changing hands, prices have shot up as much as one third since Korea. "Asking prices have risen even more."

A farm management and appraisal firm in St. Louis (Doane Agricultural Service, Inc.), reports biggest scramble in 31 years; cites a Bloomington, Ill., farm sold last year for \$300; the owner has rejected an offer of \$360 an acre.

C. E. Maxwell, loan supervisor in 5 Midwest states for the Equitable Life Assurance Society, says:

"Everything is right for a first-class land boom, except for one thing: 'We've got the demand, the money is available—but the supply isn't there.'"

Texas and California cotton land is booming. Also prune and peach land in California. In Northern Missouri prices are reported up 20 per cent in a year.

But land looks better to many farmers than the "rotting currency" dollars in this inflationary period.

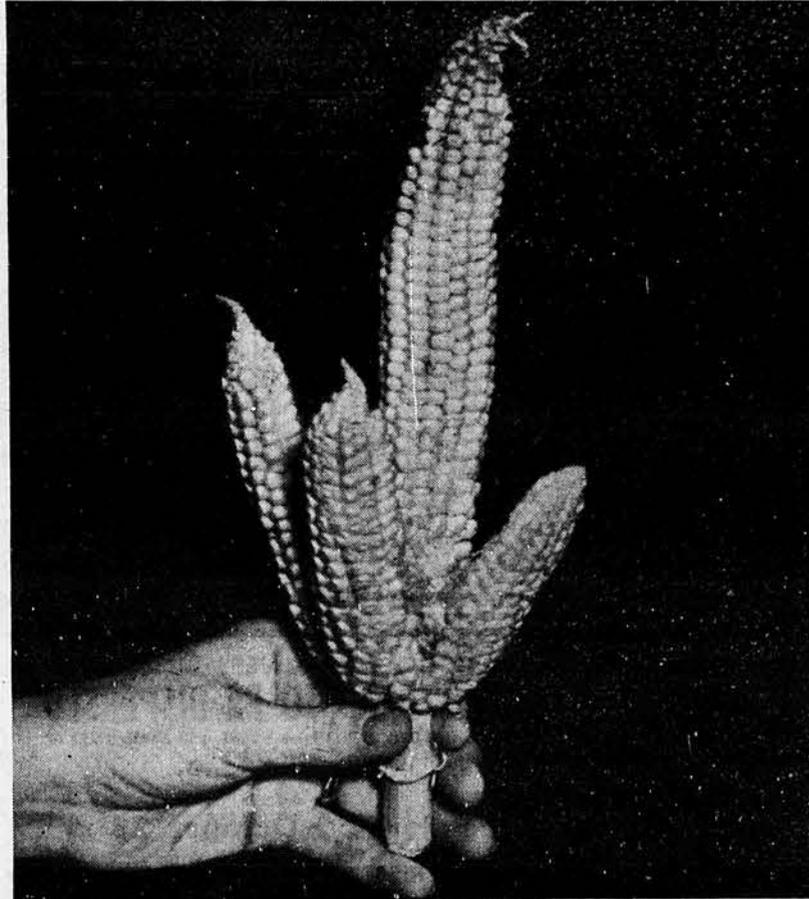
Many 4-H's Will Attend American Royal

Hundreds of 4-H Club boys and girls again will attend the annual 4-H Club Conference held in conjunction with the American Royal Live Stock and Horse Show at Kansas City. Delegates from Kansas, Missouri, Oklahoma, Arkansas and Louisiana will be at the 4-H Club show, October 15 to 17.

Many delegates will exhibit hundreds of head of cattle, hogs and sheep. Others will be attending because they won this special trip for achievement in 4-H work over the year. Champion 4-H wheat growers will attend, representing most of the wheat-growing counties in Kansas. Corn-crop champions from Missouri also will be present. Included in the large group will be some state and county fair winners who won trips to the conference and the Royal. The 2 principal competitive contests will be the annual livestock-judging contest and the meat identification and judging contest.

About 4,000 farmers received loans to construct buildings during the first year of the farm housing program.

Ambitious Corn

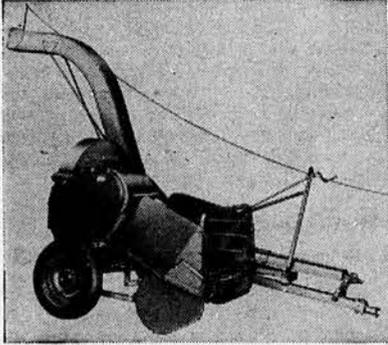


UNDER ONE COVER: All these ears, all 4 of them, grow under one husk. It came from a garden patch of hybrid sweet corn produced by Paul Wing, Wilson county. His brother, Ralph Wing, Topeka, brought it into the Kansas Farmer office. Have you ever seen one like it? Or one that would beat it?

Have you heard—?

Notes on New Products and Folks Who Make Them

TWO new John Deere machines are now in production—the No. 50 Forage Blower and the Forage Harvester. The new blower features greater capacity, easier operation, and longer life. The new harvester is a dual-purpose machine that cuts time and costs in harvesting either windrowed hay or standing row crops. It picks up, chops and loads windrowed hay. In one fast trip it converts standing row crops into top-grade silage.

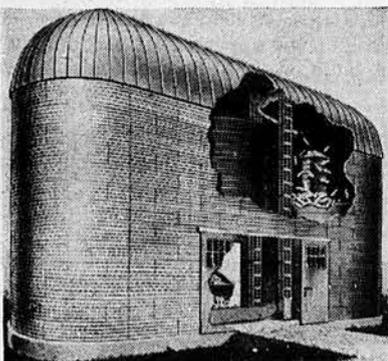


The "Comet Cub" is a complete home workshop, all in one versatile tool! The manufacturer is the Consolidated Machinery and Supply Co., of Los Angeles. The new tool is designed to perform each shop operation as well or better than single purpose woodworking equipment. It will crosscut, rip, bevel, miter, bore, rout, plane and sand. Only minor resetting is required.

"Comet Cub" has an overhead saw arm that moves with the saw, providing an unobstructed view of the work. It is powered by a 110-volt, 3/4-horsepower duplex driven motor. Sturdily built, it has a frame mounted on a steel table, a router-shaper table, and a foot-operated, raising device.

For the man with 10 acres or 1,000, here's a new guidebook on practical soil conservation methods. "Making Pay-dirt Last" explains 6 proved methods of soil conservation with step-by-step directions and illustrations. The 16-page booklet is a summary of information based on field experience by the Soil Conservation Service and agricultural colleges. You can have a free copy by writing Allis-Chalmers Manufacturing Company, Tractor Division, Milwaukee 1, Wis.

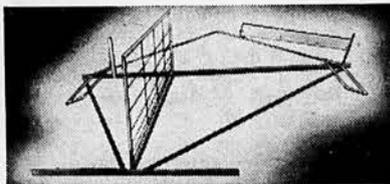
There's a new gear installation on the market that will convert any Farm-all H or M tractor into a power unit with 9 forward speeds. Its big advantage, says the manufacturer, M-W Gear Co., Anchor, Ill., is in saving 3 hours work a day. The added installation gives you 2 power take-off speeds, 2 power lift speeds and 2 reverse speeds, as well as permitting the tractor to deliver a maximum of 11 mph in the field.



The Martin Steel Products Corp., Mansfield, O., has made a new, low-cost corn and grain elevator. It's called the Double High Round Crib. Filling, shelling out, grinding and mixing all can be performed under cover in the new building. It also has facilities for storing small grains. Forced air ventilation reduces high moisture quickly, permitting early harvest of corn. Labor costs are low because all filling and shelling out are done mechanically.

Engineers of Harry Ferguson, Inc., of Detroit, have designed a new lift-type tandem disk harrow. It utilizes hydraulic lift and finger-tip control without leaving the tractor seat. Exclusive features are independent flotation of each gang and independent angling between the front and rear gangs. This achieves unusual flexibility of the lift-type harrow. The frame is made of tubular steel with ball-type pivots, providing extra long life and free operation. The new harrow is available in 7- and 8-foot sizes with both round and cutaway disks of 16- and 18-inch diameters. It's effective in small plots, field corners and other restricted areas as well as in open fields.

Have you ever wished you could do more of the routine veterinary tasks around the farm? Here's news that will help you do this, saving you time, money and trouble. A new book has just been published called the "Veterinary Guide For Farmers." A copy may be bought from the Windsor Press, 200 East Ontario Street, Chicago 11, Ill.



The new Porta-Matic gateway opens and closes automatically and is portable to any gate hole. It is mechanically automatic and doesn't use electricity or motors in its operation. It's possible to have the gate open, proceed thru, and close in only 4 seconds. Manufacturer of this new gate is the Bradley Mfg. Co., Rock Island, Ill. Drag the gate into the hole and it's ready for use. It will fit any gate hole over 10 feet wide and is guaranteed to hold all livestock. The company writes it was "invented by a livestock farmer for livestock farmers."

Items about 3 new rat killers landed on our desk recently. They are Warfarin, Rax Powder and Ratu 42.

Warfarin is packaged by J. T. Eaton & Co., Inc., of Cleveland, O. It is a powerful, amazing new killer of both rats and mice. The University of Wisconsin Alumni Research Foundation developed it. Users simply mix it with any dry foodstuffs known to attract rodents.

Rax Powder is distributed by R. J. Prentiss & Co., Inc., 110 Williams St., New York 7, N. Y. Rax kills by producing hemorrhage. It is a slow-acting poison and must be eaten by the rodent over several days time to kill. It kills both rats and mice.

Ratu 42 is put out by Dr. David Roberts Veterinary Co., Waukesha, Wis. The new rodenticide is a prepared bait, ready without further mixing to sprinkle about on rat runs or on food.

There's a new "squeeze" method of treating eye infections in animals. Lederle Laboratories has used a new plastic bottle that squeezes out their new and improved Sulmet Tinted Emulsion. It has been highly effective for treating many bacterial eye infections. An advantage is the drug does not "cake" upon contact with eye fluids. It comes in 50-cc. plastic bottles.

What's more bothersome than to be up on a ladder, or wedged behind a dashboard using a screwdriver, and then fumble and drop the screw? The new Quick-Wedge is a specialized screwdriver. It is designed to reduce profanity, increase efficiency and put an end to dropping screws once and for all. It has a double spring steel blade that holds, starts and drives the screw. Quick-Wedge is made by Kedman Company, 233 South 5th West, Salt Lake City 1, Utah.

Lamb Feeding Now Made Safer



A typical case of Enterotoxemia. (Photo courtesy Colo. Agr. Exp. Sta.)

Vaccinate Against Greatest Hazard

Now, you can self-feed lambs, lamb down cornfields, graze wheat and bean fields . . . put your lambs on FULL FEED, for better profits. Former losses from Enterotoxemia (Overeating Disease) caused by Clostridium perfringens Type D may now be largely prevented by vaccination with Corn States bacterin.

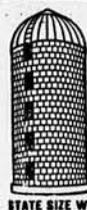
Surer Profits for You

Over 2,000,000 lambs were vaccinated last year against this constant hazard of lamb feeding. Both large and small feeders reported much smaller losses than ever before. Originating in the Corn States research laboratories, proven through 3 years field use, this bacterin truly brings a new day in better lamb feeding safety and profit.

Check with Your Veterinarian

Call your Veterinarian. Lambs 2 months of age or older may be immunized for full feeding period. Allow 10 days for immunity to develop. Remember, your best assurance of lamb feeding profits is sound management, good sanitation, plus vaccination before you start feeding operations. On all lamb disease problems, consult your Veterinarian.

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Everlasting TILE SILOS
Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.
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MAQUOKETA COMPANY MAQUOKETA 4, IOWA



The Tank Truck



Eddie Allen and his daughter, Carole, put her dog through its tricks for the amusement of Conoco Agent Chas. Wormley, Parsons, Kans.



Five-year-old Carole watches her father, Eddie Allen, servicing his Ford truck, which has been fueled and lubricated exclusively with Conoco Products.

Who liked the good old days?

The old gray mare ain't what she used to be . . . and you're probably mighty glad of it! On a fifty-fifty basis . . . one tractor in place of one horse . . . there's not much about the "good old days" to appeal to the modern farmer.

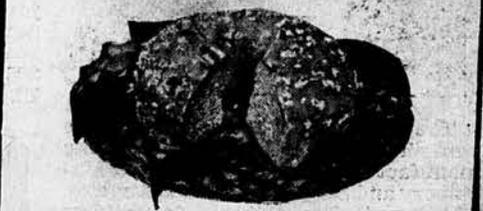
Take the case of Eddie Allen of Altamont, Kansas. Eddie lives on 80 acres of fine wheat land. He rents an additional 100 acres. And he has enough time left over to do custom work on at least another 100 acres every year.

And he does all this with *one* WC Allis-Chalmers tractor, a Gale hammermill, a five-foot combine and a Ford truck. Yes, the mechanization of the farm has certainly emancipated the farmer! And without pe-

troleum products to keep this motorized equipment going, you'd still be back using the old gray mare!

"After using several other brands of lubricating products," Mr. Allen says, "I started using Conoco Products in January, 1941. For my money, Conoco Products and the service of Conoco Agent "Chuck" Wormley cannot be beat."

Thanks, Mr. Allen. You and thousands of other farmers like you have told us that you find Conoco Products make your mechanized equipment perform better . . . over longer periods . . . on less fuel and oil. We guess you couldn't get along without us . . . and we know we *certainly* couldn't get along without you!



Pumpkin Spice Cake

by Mrs. Cecyl S. Mitchell
R. 3, Frederick, Okla.

- | | |
|---------------------------|--------------------|
| 1/2 cup shortening | 1/2 t. salt |
| 1 cup sugar | 1 t. cinnamon |
| 1 egg, beaten | 1/2 t. allspice |
| 1 cup hot, mashed pumpkin | 1/2 t. cloves |
| 1 t. soda | 1 cup raisins |
| 2 cups sifted flour | 1 cup chopped nuts |

Cream shortening and sugar together until fluffy. Add egg, blending thoroughly. Stir soda into warm pumpkin and add to creamed mixture. Sift dry ingredients together, adding nuts and raisins to last cupful, and add to first mixture. Pour into well greased loaf pan and bake in a moderate oven (350°) for one hour. When cool, frost with caramel frosting.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. C, Conoco Cafeteria, Ponca City, Oklahoma. 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

New way to save money!

Livestock and grain prices aren't the only things that affect a farmer's net income. His cost of operations make a big difference, too. That's why the Conoco road test may mean more money for you.

To test the wear-fighting qualities of new Conoco Super Motor Oil, six new cars and four new trucks were driven a distance equal to twice around the earth! At the end of 50,000 killing miles, engines



showed no wear of any consequence! Actually there was an average difference for the test fleet of only one one-thousandth of an inch on cylinders and crankshafts. Proof: original factory finishing marks were still visible on piston rings!

Perhaps even more remarkable was the economy of operation. Gasoline mileage for the *last* 5,000 miles was 99.77% as good as for the *first* 5,000 miles. For the test fleet of trucks, the average difference, after 50,000 punishing miles, was a mere three tenths of a mile.

Yes, the 50,000-mile test proved that Conoco Super Motor Oil, with proper crankcase drains and regular care, can give you new-car economy of operation for years and years. So save on operating costs . . . reduce repair bills . . . by giving your cars, tractors and trucks the super protection of Conoco Super Motor Oil. For dependable, economical operation, try Conoco Super Motor Oil today. A phone call to Your Conoco Man will bring him running with a drum or a 5-gallon can of this great new modern wear-fighter.



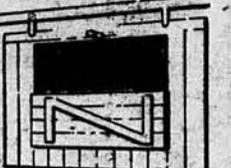
YOUR CONOCO MAN

To unroll wire



To unroll smooth or electric wire without a reel-holder, tip over your 2-wheel trailer and lay the roll on the upper wheel, recommends Allen E. Seim, R. 2, Pelican Rapids, Minn.

"Sunshine" Door



To let the sunshine into the barn and still keep young livestock protected, cut a drop door in the large roller door, says D. F. Epperson, Morton, Wyo. Door, on hinges, can be latched closed in bad weather. * * *

PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dept. C, Continental Oil Company, Ponca City, Okla.—and get a genuine \$8 D-15 Henry Disston Hand Saw for every idea that's printed!